

Safety Instructions	94	Main Navigation Menu	103	<i>Driving to one of the</i>	
Information regarding general road safety	95	Destination	104	<i>"Last Destinations"</i>	113
Arrangement of controls	96	<i>Selecting country</i>	104	<i>Saving and Deleting</i>	
Anti-theft device	97	<i>Entering destination</i>	105	<i>"Last Destination" destinations</i>	113
Entering the code number	97	<i>Entering destination town postal code</i>	105	Coordinate entry	114
Entering the Telephone PIN	97	<i>Entering destination street</i>	106	Route guidance calculation	114
Removing the portable panel	98	<i>Entering the destination town centre</i>	106	<i>Recalculating route</i>	114
Attaching the portable panel	98	<i>Entering street number for destination road</i>	107	Stopover	115
General Operation	99	<i>Selecting intersection for destination road</i>	108	<i>Entering a stopover</i>	115
Switching on the unit	99	<i>Starting the route calculation</i>	108	<i>Start route guidance to stopover</i>	115
Adjusting the volume	99	Route options	108	<i>Deleting a stopover</i>	115
Activating the tone control menu	99	Destination memory	109	<i>Stopover reached</i>	115
<i>Adjusting the bass</i>	99	<i>Calling up a destination stored in the destination memory</i>	109	Traffic jam function	116
<i>Adjusting the treble</i>	99	<i>Storing a destination in the destination memory</i>	110	<i>Entering length of traffic jam</i>	116
<i>Fader</i>	100	<i>Deleting a destination from the destination memory</i>	110	<i>Delete block</i>	116
<i>Adjusting the balance</i>	100	<i>Sorting destination memory</i>	111	Cancelling route guidance	116
<i>Linear adjustment</i>	100	<i>Renaming a destination in the destination memory</i>	111	Notes on route guidance	117
<i>Loudness on or off</i>	100	<i>Destination memory full</i>	111	Dynamic Route Guidance	118
<i>Adjust volume of subwoofer or centre speaker</i>	100	Accessing @ Destinations	112	Information during route guidance	119
Triggering reset	100	<i>Saving and Deleting</i>		<i>Requesting journey duration and kilometres travelled</i>	119
Navigation operation	101	<i>"@ Destinations"</i>	112	<i>Displaying/changing route settings</i>	119
What is navigation?	101	<i>@ Route Mode</i>	113	<i>Requesting current time</i>	119
Safety Instructions	101	Last destinations	113	<i>Requesting current position</i>	120
Navigation CDs	101			<i>Calling up traffic announcements</i>	120
<i>Navigation with two European CDs</i>	101			<i>Call up route list</i>	121
General instructions	102			Information during non-active route guidance	121
Selecting navigation	103			P.O.I.	121
				System settings	123
				Setting the language	124
				<i>Setting time</i>	124

Contents

<i>Setting voice output</i>	125	<i>Making an emergency call</i>	134	@ WAP Favourites	149
<i>Setting the vocal announcement of traffic reports</i>	125	<i>Emergency call settings</i>	135	<i>Call up Configuration</i>	150
<i>Settings</i>	126	Settings	136	Settings	150
<i>Selecting the units</i>	126	<i>Call settings</i>	136	<i>Profiles</i>	150
<i>Influencing the calculation of ETA</i>	127	<i>Telephone Settings</i>	137	<i>Create new profile</i>	151
Telephone mode	128	<i>Selecting a network</i>	137	<i>Activating access profile</i>	152
Activate telephone mode	128	<i>GSM Band Settings</i>	138	<i>Copying access profile</i>	152
Calling up the Communications menu	128	<i>PIN Settings</i>	139	<i>Deleting access profile</i>	152
Calling	128	<i>Call Rerouting</i>	140	<i>Loading Access Profiles</i>	153
<i>Dial the number</i>	128	<i>Blocking phone</i>	141	<i>URL Setting</i>	153
Terminating a call	129	SMS Messaging	142	<i>Specifying browser start settings</i>	153
Accepting a call	129	New Message display	142	BeckerClub	154
Rejecting a call	129	Reading messages	142	E-Mail Function	155
During a call	129	Processing messages	143	Receiving E-Mail	155
<i>Toggling – second call</i>	129	<i>Delete message</i>	143	Checking E-Mail	155
<i>Conference</i>	130	<i>Answer message</i>	143	E-mail settings	155
Telephone book	130	Writing messages	143	Service settings	157
<i>Calling up the telephone book</i>	130	Deleting All Messages	145	<i>URL for</i>	157
<i>Dialling a telephone book entry</i>	131	Settings	145	Radio mode	158
<i>Editing / Adding / Deleting telephone book entries</i>	131	Internet (WAP) Functions	146	Switching on radio mode	158
Call list	132	Calling up WAP menu	146	Turn on Radio Menu Mode	158
<i>Saving entry from call list</i>	133	<i>Connecting / terminating WAP connection</i>	146	Set FM waveband	158
<i>Deleting Telephone List</i>	133	<i>Navigation in WAP pages</i>	146	Selecting the AM waveband	158
Emergency call	133	Browser Menu	147	Settings for station selection	158
<i>Emergency call via voice connection</i>	133	<i>Calling up Browser Menu</i>	147	Dynamic Autostore (FM-DAS)	158
<i>Emergency Call Via GDV Call Centre</i>	134	<i>Entering WAP address</i>	147	Station search FM - DAS	159
		<i>Call up Browser-dependent menu</i>	148	Station search MW, LW, SW	159
		<i>Call up/ Add/ Delete Favourites</i>	148	Scan search	159
		<i>Pages visited (History)</i>	149	Programme filtering for FM DAS	159
		<i>Back to previous page</i>	149	Programme Type selection (PTY)	159
				Turning PTY display on or off	160

Calling up/ Storing FM stations	160	Temperature protection circuit for CD and MP3 CD	166	<i>Activating AUX/telephone input (Aux)</i>	173
Calling up/storing MW, LW, SW stations	160	Notes on CD-R and CD-RWs	166	<i>Signal tone volume (BeV)</i>	173
Manual FM tuning	160	Notes on copy-protected CDs	166	<i>Turning direction of the rotary control (Inc)</i>	173
Manual tuning MW, LW, SW	160	MP3 CD in built-in drive	167	<i>Volume display (Vol)</i>	174
Regionalisation	161	<i>General instructions for MP3</i>	167	<i>Hands-free microphone setting (Mic)</i>	174
Turning Regionalisation on or off	161	Creating an MP3 data medium	167	<i>Telephone receiver volume setting (HsV)</i>	174
Turning frequency display on or off	161	<i>Notes on playing MP3 CDs</i>	168	<i>Limiting the volume level (Lim)</i>	174
Switching radio text display on / off	161	Track number, total playing time and track title	168	<i>Adjusting the volume difference between digital audio sources (Lvl)</i>	174
Traffic Programme (TP)	162	MMCTM (MultiMediaCardTM)	168	<i>Calling up reset function (Rst)</i>	175
<i>Activating/quitting the TP menu</i>	162	<i>Which MMCTM can be played?</i>	168	General instructions	176
<i>Turning TP on or off</i>	162	<i>Recording to an MMCTM</i>	168	RDS SYSTEM	176
<i>Selecting automatic tracking</i>	162	<i>Insertion / removal of a recorded MMCTM</i>	169	DAS seek quality level	176
<i>Selecting / deleting direct programming</i>	163	<i>Notes on playing</i>	169	DAS seek name level	176
<i>Switching mute function on or off</i>	163	CD Changer	169	RDS Stations level	176
<i>Interrupting TP announcements</i>	163	<i>Operational readiness of CD changer</i>	169	Stations Fix Level	176
<i>TP announcement volume</i>	163	<i>Loading/ Ejecting the CD Magazine</i>	169	PTY (Programme Type)	176
<i>Display for TMC stations</i>	163	<i>Playing CDs</i>	170	Keyword directory	177
CD, MP3, CDC operation	164	User menu	171	Technical data	178
Selecting the audio source	164	Call up / quit User Settings menu	171	NOTICE	179
Notes for the Compact Disc (CD)	164	<i>Setting the GAL (Gal)</i>	171		
Inserting/Ejecting CDs	165	<i>Display colour setting (Col)</i>	171		
Skipping a title forward/backward	165	<i>Display setting (Lcd)</i>	172		
Scan search	165	<i>LED setting (Led)</i>	172		
Fast forward/rewind	165	<i>Display brightness setting (Lum)</i>	172		
Random Play	165	<i>Setting reception optimisation (M/S)</i>	172		
Title Repeat	166				
Number of tracks and total playing time	166				



Safety Instructions

Operation of the unit is permitted only if traffic conditions are suitable and you are absolutely sure that you, your passengers or other motorists are not endangered, obstructed or inconvenienced.

In all cases, all applicable road traffic regulations must be obeyed. Destinations may only be entered when the vehicle is stationary.

The country-specific regulations apply for telephone operations.

The navigation system is intended to serve as a navigation aid only. It neither releases the driver from his/her duty to exercise utmost care in road traffic, nor replace his/her own ability to judge. Due to continuous changes in traffic routing or changing data, imprecise or erroneous information may, on occasion, be given. Therefore, actual road signs and traffic regulations must always be observed. In particular, the navigation system cannot be used as an orientation aid at times of poor visibility.

The unit may only be used for its intended purpose. The volume of the radio, navigation system and telephone should be adjusted so that noises external to the vehicle are still audible.

Do not activate the telephone near petrol stations, fuel depots, chemical plants or blasting areas.

In case of a malfunction (i.e. smoke or noticeable odours) immediately turn off the unit.

Due to the variety of functions and the corresponding high processing capacity of the microprocessor, the unit will warm up during operation. The installed components are equipped to handle these temperatures.

For safety reasons, the unit is to be opened only by a trained technician. Please refer to your dealer for repair.

Information regarding general road safety

This car radio device is intended and approved for installation and operation in passenger cars, commercial vehicles and buses (vehicle classes M, N and O) whose electric system has a rated voltage of 12V.

Installation and maintenance should only be carried out by specialists. Faulty installation or maintenance can result in the malfunctioning of the motor vehicle's electronic systems. The vehicle manufacturer's safety instructions must be observed.

The vehicle's electronics (e.g. speedometer signal) must only be worked on by an authorised service garage. We assume no liability for any impairment of the vehicle's electronics.

This device is only intended for installation in the area provided for this purpose by the vehicle manufacturer.

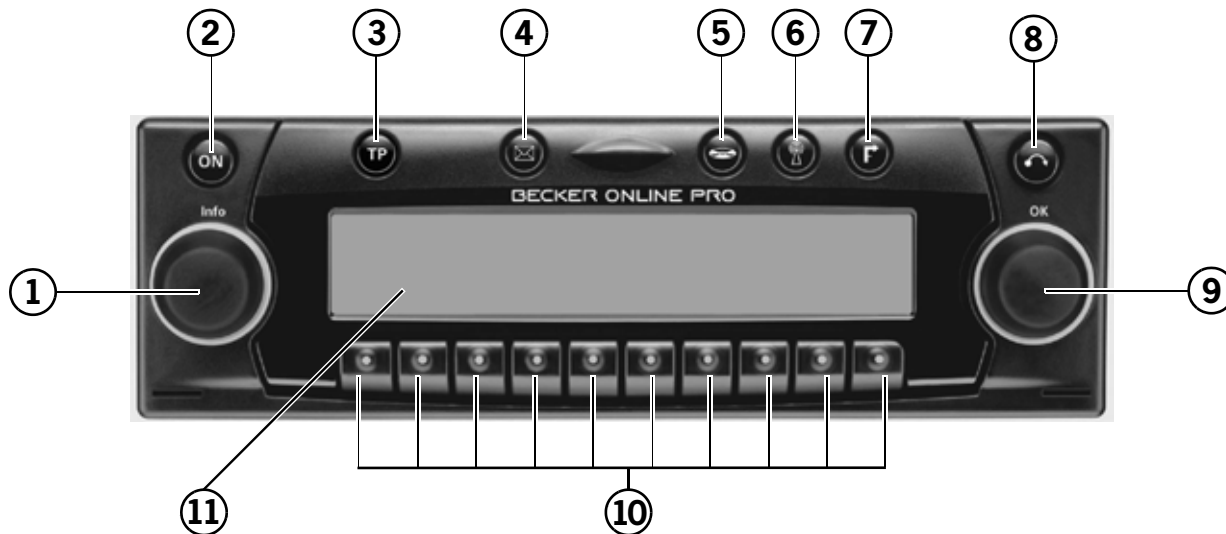
The method of attachment used must ensure that the device will remain properly attached, should the vehicle be involved in a crash.

The power supply must be properly fused.

Using mobile phones without an external antenna in the proximity of the radio unit may cause interference.

Familiarise yourself with the device and how it works before embarking on your journey. Whilst on the move, only operate the device in appropriate traffic conditions. The volume of the device should be set at a level that enables external noises (e.g. police sirens) to be easily heard.

Arrangement of controls



- 1 Left rotary control ● (Info)
- 2 On / off switch (ON)
- 3 TP (Traffic programme) key (TP)
- 4 Communications key (✉)
- 5 Source key CD (CD)

- 6 Source key Radio (R)
- 7 Select navigation (P)
- 8 CD eject button (CD)
- 9 Right Rotary Control ● (OK)
- 10 Multifunction keys
- 11 Display

Entering the code number

If the auto radio is disconnected from the electrical supply source, the anti-theft device prevents it from being reconnected. After turning on the unit via the **ON** button, the prompt **Enter Key**, is displayed.



Using multifunction buttons **1** - **7**, enter the five-digit code number.

Example:

Code number 15372 (the code number can be found on the enclosed CODE CARD).

Enter code number using the multifunction buttons.

The unit automatically switches on when the fifth digit is entered and all other digits were entered correctly.

Note:

It is important to store the CODE CARD in a safe place outside of the vehicle. This will prevent unauthorised use. The check marker provided should be attached to the inside of the vehicle windscreen/window.

In an incorrect code number is entered, the prompt **Enter Key** will be displayed once again. If an incorrect code number is entered three times in a row, the unit will display **Wait**, and it will be blocked for approximately 60 minutes.



Three further incorrect entries block the unit for another 60 minutes.

Note:

The unit and the vehicle ignition must remain switched on during the 60-minute waiting period. If the ignition does not remain switched on, the waiting period will begin again.

Entering the Telephone PIN

Your telephone module and SIM card are protected against unauthorized use by a 4- to 8-digit PIN number.

Note:

Depending upon the provider, the SIM card may be delivered without the PIN number request activated. In this case, the PIN number will not be requested.

You have already received the PIN number to be entered from your provider. The PIN number can be changed, however, as described in "PIN Settings" on page 139.

After entering the unit code number, a request for the telephone PIN number will follow.



The 4- to 8-digit PIN number must be entered using multifunction buttons **1** - **0**. Then, press the right rotary control **0**.




Depending upon the reception, connection to the telephone network may take some time.

Note:


If an incorrect PIN number is entered three times in a row, the SIM card is blocked.

You can lift the SIM card block by entering the PUK number you received (together with the SIM card) from the provider. Enter the PUK number in exactly the same manner as the PIN number.

Anti-theft device

The PIN number does not have to be entered immediately. By pressing one of the source keys ,  and , you can select one of the available audio sources.

No telephone-related functions, however, are available in such a case.

This condition is indicated by ***?*** on the display. To enter the PIN number, first, you need to press the source key .

A new request for the PIN number appears.


Note:

If the unit or the ignition is shut off, the PIN number will be requested again when the unit or ignition is turned back on. To operate the telephone, re-enter your PIN number as described above.

The PIN number can also be stored as described under "PIN Settings" on page 139. It is then no longer necessary to enter the PIN every time you switch on the unit.

Removing the portable panel

As effective anti-theft device, the portable panel (A) may be removed from the unit.

Press  briefly (storage medium remains in the unit). The display folds forwards. The portable component can then be pulled out.



The volume is limited to a maximum level after the display has been folded down. After 20 seconds, an audible signal indicates that the control component is folded down. The unit then switches itself off.

Danger Injury hazard

For safety reasons, the portable panel may not be left open while driving.

Note:

After removal, please insert the portable panel in the accompanying protective cover.

Do not touch the metal contacts on the portable panel or on the radio.

Attaching the portable panel

Insert the portable panel into the lower left catch and then engage it in the lower right catch. Then fold up the portable panel and engage it in the upper catches.

The portable panel can also be placed flat against the unit and pushed into place.

To ensure correct function, be sure that the portable panel is completely seated in all four catches.

If a new portable panel or one from another unit is used, the code number must be entered as described above to activate the unit.

Switching on the unit

Press **ON** button.

Additional options for switching on / off: Via ignition. In order to switch on via the ignition, the unit must have been switched off previously via the ignition. After switching off the ignition, the unit can be prevented from switching off by pressing the **ON** button within 3 seconds.

Note:

With the ignition switched off, the unit can also be switched on via the **ON** button. The unit switches off automatically after 1 hour.

Adjusting the volume

Turn the left rotary control **⦿**. The volume increases or decreases.

The volume change is graphically shown on the display.

Activating the tone control menu

Settings for bass, treble, balance and fader are stored separately for the audio sources: radio, CD, MP3 and CDC/AUX mode.

The loudness settings affect all the sources. The Tone menu can be called up by pressing one of the source buttons for more than 2 seconds.

- Source key **Ⓜ** for the currently set wavebands (FM or AM)
- Source key **Ⓜ** for the currently active media sources (CD, MP3, CDC/AUX)

The following functions can be called up: **Bas** (Bass), **Trb** (Treble), **Fad** (Fader), **Bal** (Balance), **F1t** (Linear adjustment), **Sub** (Subwoofer) and **Ldn** (Loudness).



The source is always shown at the left in the display (i.e. FM in the illustration).

Adjusting the bass

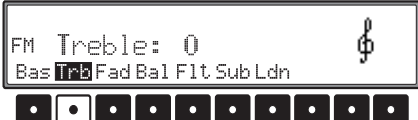
Press the source key for more than 2 seconds. Press multifunction button **Bas**.



Set the desired bass level using the right rotary control **⦿**.

Adjusting the treble

Press the source key for more than 2 seconds. Press multifunction button **Trb**.




Set the desired treble level using the right rotary control **⦿**.

General operation

Fader

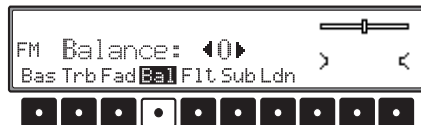
Press the source key for more than 2 seconds. Press multifunction button **Fad**.




Use the right rotary control  for the desired fader setting.

Adjusting the balance

Press the source key for more than 2 seconds. Press multifunction button **Bal**.



Set the desired balance level using the right rotary control .

Linear adjustment

Press the source key for more than 2 seconds.



Press multifunction button **Flt** briefly - Tone flat will appear. By pressing multifunction button **Flt** once again, the tone adjustments for the current signal source (i.e. FM) will be reset to mid-level.

Loudness on or off

Press the source key for more than 2 seconds. Press multifunction button **Ldn**.




With multifunction button **Ldn** you can select either Loudness on (ON) or Loudness off (OFF).

Adjust volume of subwoofer or centre speaker

Press the source key for more than 2 seconds. Press multifunction button **Sub**.




Use the right rotary control  to set the desired subwoofer volume level.

If Off is set for the volume setting, the subwoofer output is switched off.

Triggering reset

If a malfunction of the unit should occur, such that it becomes inoperable or defective in some other way, a restart of the internal unit software (reset) can be triggered.

To trigger the reset, press the button  for more than 20 seconds.

After the unit software is reset, you need to enter the code number and re-insert the Navigations CD.

What is navigation?

The term "navigation" (lat. navigare = to travel by sea) is generally understood to mean the determination of a vehicle's location, the determination of its direction and its distance from the desired destination and the required route. As navigation aids, stars, prominent landmarks, compass and satellites are used.

With OnlinePro, location is determined with the GPS receiver (GPS = Global Positioning System). The direction and distance from the destination are determined using a digital street map, a navigation computer and sensors. A speedometer and reverse signal are additionally used to calculate the route. For safety reasons, route guidance is predominantly in spoken form supported by a direction indicator on the display.



Safety Instructions

- The rules of the Road Traffic Regulations (RTR) apply.
- Observation of traffic signs and local traffic regulations must always take priority.
- Traffic guidance is restricted to passenger vehicles. Special driving recommendations and regulations for other vehicles (e.g. commercial vehicles) are not included.
- The destination can only be entered when the vehicle is stationary.

Navigation CDs

Two navigation CDs are supplied with the navigation unit.

These CDs contain a digitised street map. One CD for Northern Europe (CD no. 1) and one CD for Southern Europe (CD no. 2) are supplied.

The complete trunk road network and all destination centres in the digitised area of Northern and Southern Europe are available on the CDs.

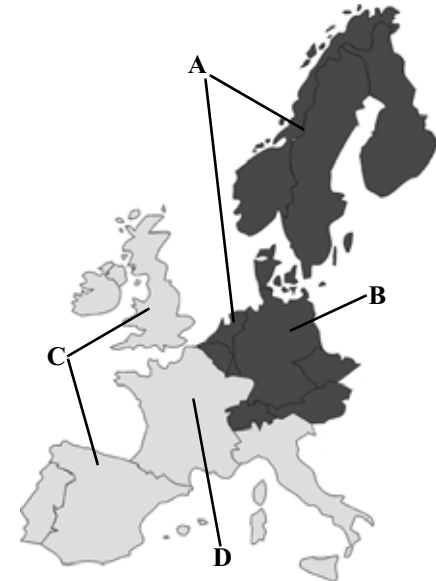
All digitised roads of the northern countries are also included on the Northern Europe CD. All digitised roads of the southern countries are also included on the Southern Europe CD.

In these detailed areas of the Northern or Southern Europe CD road map, motorways, regional roads and unclassified roads as well as country roads are stored. Larger cities and communities are comprehensively covered. For smaller towns and communities, the regional and unclassified roads or access roads and the town centres are included.

One-way streets, pedestrian zones, turning bans and other traffic regulations are taken into account as far as possible.

There may be discrepancies between the data on the navigation CD and the actual local situation, due to permanent changes to road systems and their traffic regulations.

Navigation with two European CDs



- A** Area of Northern Europe CD with all digitised roads.
- B** For example, a town or an address in Germany (on the Northern Europe CD).
- C** Area of Southern Europe CD with all digitised roads.
- D** For example, a town or an address in France (on the Southern Europe CD).

Using Navigation

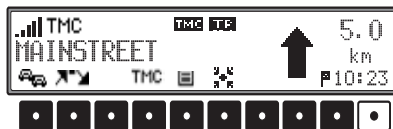
For example, if you wish to navigate from a town on the Southern Europe CD (D) to a town on the Northern Europe CD (B), enter your destination address as usual. After entering the town, you will be prompted to insert navigation CD No. 1 by the display `Please insert navigation CD #1`. After inserting the relevant CD, enter the road and, if required, the house number or the town centre. The required map data is loaded and stored internally after route calculation has started.

General instructions


- During route navigation, you can still listen to the radio, CD or MP3


The distance to the next announcement and the estimated time of arrival, the current time or the journey time to the destination are indicated on the right side of the display.


You can set whether the current time, the journey time, or the estimated time of arrival is displayed.



The display mode can be selected by pressing the last multifunction button. The mode currently set can be seen from the symbol which appears before the displayed time.



The  symbol represents the estimated time of arrival.

The  symbol represents the remaining journey time.

The  symbol represents the current time.

- During route navigation, you can still use the radio, CD or MP3.

Distance to the next message and estimated time of arrival are shown on the right side of the display.



- The unit can be switched to radio mode when route guidance is in operation by pressing the  button. You can switch to CD mode by pressing the  button.


The Navigation menu automatically displays when navigation announcements are given.




- When entering the address, only those letters, digits and symbols which are relevant for the address are displayed.

The entries are automatically completed.

A space (i.e. in Bad Abbach) is entered as an underscore.

Letter, numbers and symbols can be selected using the multifunction buttons  to . The individual symbols can be selected by pressing the appropriate multifunction buttons repeatedly.

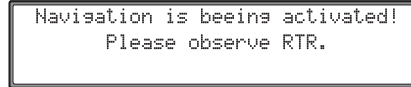
Selection can also be made using the right rotary control , which will be used in the remainder of this guide.

-  exits the current menu and switches to either the route guidance display or main Navigation menu.
- The system recalculates the route if a deviation is made from the route.
- Briefly press the left rotary control  to hear the current navigation message.
- During a navigation announcement, the volume can be adjusted with the left rotary control .

- By briefly pressing the left rotary control **⬅**, additional information can be requested during route guidance or the current position can be requested when route guidance is not active. See "Information during route guidance" on page 119 and "Information during non-active route guidance" on page 121.
- The current navigation announcement is interrupted by pressing the left rotary control **⬅**.
- If the left rotary control **⬅** is held for more than 2 seconds during a navigation message, the navigation messages are turned off and route guidance will only be shown on the display. Quickly pressing the left rotary control **⬅** returns to the navigation messages.
- The scroll marks **⬇** and **⬆** indicate a selection list which can be scrolled through using the right rotary control **➡**. Each entry in the list shown in capital letters can be selected by pressing the right rotary control **➡**.

Selecting navigation

Press **⬅**.



The main navigation menu appears after this display.

Note:

The navigation CD must be loaded when starting navigation mode for the first time. If calibration of the navigation system has not yet been completed, the system will prompt you to take a drive for calibration (see Installation Guide). A navigation CD containing the data for the target country is required for navigation operations. The navigation CD must be inserted to start the calculation of a route. During calculation, the prompt **CD** will blink on the display. Once calculation is completed, the prompt **CD** will disappear, the navigation CD can be removed and an audio CD may be inserted. When entering destinations, you should wait until the prompt **CD** disappears, before departing.

Main Navigation Menu



Select

Destination,
Dest. memory,
Last destinations,
P.O.I,
@ Destinations,
Coordinates,
Save position

by turning the right rotary control **➡** and confirm your choice by pressing it.

- **Destination**
Accesses the entry menu for the destination. See "Destination" on page 104.
- **Dest. Memory**
Contains previously stored destinations. See "Destination memory" on page 109.

Note:

If the destination memory does not contain any destinations, **Dest. memory** is not displayed.

- **@ Destinations**
The navigation destinations in the Homepage can be called up. See "Accessing @ Destinations" on page 112.

Using Navigation

- **P.O.I.**

Menu for selecting regional and interregional destinations of special interest and local points of interest. Points of interest include petrol stations, airports or hospitals, for example. See "P.O.I." on page 121.

- **Last destinations**

A list of the last 50 destinations is displayed. Stopovers are not stored as final destinations. See "Last destinations" on page 113.

Note:

If no destinations are contained in the Last Destinations list, `Last destinations` is not displayed.

- **Coordinates**

You can start navigation with the aid of geographical coordinates
See "Coordinate entry" on page 114.

- **Save position**

The current position is stored. The position is stored in the destination memory.
See "Storing a destination in the destination memory" on page 110.

Destination

I Select the main Navigation menu with the right rotary control ● `Destination` and press the control to confirm.



The country last selected is displayed. When the destination is first entered, the unit will switch automatically to the country selection.

The entries

`Country`,
`Town` and
`Zipcode`

are available.

- **Country**

If your destination is in a country different from the one displayed, you can select the destination country after selecting `Country`.
See "Selecting country" on page 104.

- **Town**

By selecting `Town` you can switch to town entry.
See "Entering destination" on page 105.

- **Zipcode**

By selecting `Zipcode` you can enter the postal code of the destination town.
See "Entering destination town postal code" on page 105.

Selecting country

If your destination is in a country other than the one currently shown, select `Country:` with the right rotary control ● and press the control to confirm.



Select the desired country with the right rotary control ● and press the control to confirm.

Note:

When selecting a distant destination, we recommend selecting a stopover (Page 115) halfway.

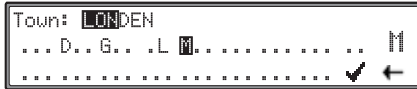
Entering destination



Select the letters one after the other by turning the right rotary control ● and press the control to confirm. The selected letter appears enlarged at the right of the display.

Use the multifunction button ← to delete the last confirmed letter.

The complete entry can be deleted by pressing multifunction button ← for more than 2 seconds.



Already entered letters are displayed inversely. To help, the name of the location closest to the previous entry is displayed. The unit offers only the possible remaining letters for selection. If no other entries are available, the unit completes the place name automatically.

To accept the entry, press and hold the right rotary control ● for more than 2 seconds or select the small check mark ✓ and briefly press the right rotary control ●.

If the complete location name was entered or completed automatically and the location name is unique in the country of destination, the location is accepted.

The programme will return to the destination entry.

If an incomplete location entry was confirmed, the location selection list is displayed.



The location name most similar to the entry appears in capital letters in the location selection list. The scroll marks indicate that other locations, sorted in alphabetical order, can be selected.

To make your selection turn the right rotary control ● and press the control to confirm. (See "General instructions" on page 102.)

If a definite entry is given, the programme returns to the destination entry.

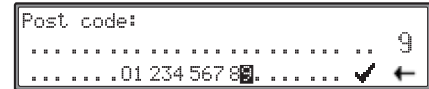
The location distinguishing list is displayed if the selection is ambiguous.



Select the required location using the right rotary control ● and press the control to confirm.

The programme returns to the destination entry.

Entering destination town postal code



Select the postal code numbers one after another by turning the right rotary control ● and press to confirm. The selected number appears enlarged at the right of the display.

To accept the entry, press and hold the right rotary control ● for more than 2 seconds or select the small check mark ✓ and briefly press the right rotary control ●.



The display then shows either the destination corresponding to the postal code or, if the postal code is shared among several towns, a list containing these towns. Select the required location using the right rotary control ● and press to confirm.

If more than 20 locations share the same post code, the display will show the Location Input menu instead of the above-mentioned list. In that case, the town name is to be entered as described in "Entering destination" on page 105.

Using Navigation

Entering destination street



Select **Road:** with the right rotary control and press the control to confirm.

If the Road entry is not available, no streets are selectable in the selected town. If you select **Centre**, the programme switches to the town centre.



Select the letters in sequence by turning the right rotary control and press the control to confirm. The selected letter appears enlarged at the right of the display.

Use multifunction button **←**, to delete the last confirmed letter.

The complete entry can be deleted by pressing multifunction button **←** for more than 2 seconds.



Letters which are already entered are displayed inversely. To help, the street name most similar to the entry so far is displayed. The unit offers only the possible remaining letters for selection.

If no other entries are available, the unit completes the street name.

To accept the entry, press and hold the right rotary control for more than 2 seconds or select the small check mark and briefly press the right rotary control.

If the street name was entered completely or automatically completed, the programme switches either to the road differentiation list (the same street name exists more than once in the location selected) or returns to the destination entry.

If an incomplete location entry was confirmed, the street selection list is displayed.



The street name most similar to the entry appears in capital letters in the road selection list.

The scroll marks indicate that other streets, sorted in alphabetical order, can be selected.

Select the street by turning the right rotary control and press the control to confirm.

If a unique entry is entered, the programme returns to the destination entry.

If the entry is not unique (the same street exists more than once in the same location), the street differentiation list is shown.



Select the required part of town using the right rotary control and press the control to confirm.

The programme returns to the destination entry. If available, you may select a street number or intersection. Select **Start...** to start the route calculation.

Entering the destination town centre



Use the right rotary control to select **Centre** and press the control to confirm.

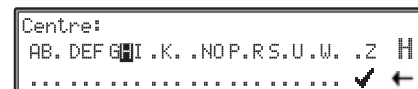
If the previously selected location has only one centre, the programme immediately returns to the destination entry.

If the number of centres is less than 10, the centre list is displayed.



Select the centre by turning the right rotary control and press the control to confirm.

If the number of centres is greater than 9, the programme switches to centre entry.



Select the letters one after the other by turning the right rotary control **●** and press the control to confirm. The selected letter appears enlarged at the right of the display.

Use multifunction button **←** to delete the last confirmed letter.

The complete entry can be deleted by pressing multifunction button **←** for more than 2 seconds.



Already entered letters are displayed inversely. For your help, the centre most similar to the entry so far is displayed. The unit offers only the possible remaining letters for selection. If no other entries are available, the unit completes the centre-name.

To accept the entry, press and hold the right rotary control **●** for more than 2 seconds or select the small check mark **✓** and briefly press the right rotary control **●**.

Once the complete centre name is entered or automatically completed, the programme returns to the destination entry.

The programme switches to the centre list if the selection is ambiguous.



The centre most similar to the entry appears in capital letters in the centre list.

The scroll marks indicate that other centres, sorted in alphabetical order, can be selected.

Select the centre by turning the right rotary control **●** and press the control to confirm.

The programme returns to the Destination Entry menu.

If you select Start... the route calculation is started.

Note:

By pressing the right rotary control **●** for longer than 2 seconds without previously entering a letter, a list of the possible location centres will immediately appear.

Entering street number for destination road

This function can only be selected if this information is contained in the navigation CD.



Select **●** House number in the Destination Entry menu with the right rotary control, and press the control to confirm.

The street numbers are compiled into street number ranges. If there are fewer than 10 street number ranges, the street number range list is displayed.



Select your street number range by turning the right rotary control **●** and press the control to confirm. The programme returns to the Destination Entry menu.

If the number of street number ranges is over 9, the programme switches to the street number entry.



Enter the street number of the street destination with the right rotary control **●** or with multifunction buttons **1** to **9** and confirm the entry by pressing the right rotary control for more than 2 seconds. The possible street number range is

Using Navigation

shown in parentheses.

If the street number entered is available, the programme returns to the Destination Entry menu.

If the street number entered is not available, the street number range list is displayed. A street number range can now be selected.

Select **Start...** to start route calculation.

Note:

Due to system configurations, route guidance will only be given up to the range of the entered street number.

Selecting intersection for destination road

This function can only be selected if this information is contained in the navigation CD.



Select **Crossings** in the Destination Entry menu with the right rotary control, and press the control to confirm.



Select the intersection for the destination road by turning the right rotary control and press the control to confirm.

The programme will return to the Destination Entry menu.

If you select **Start...** the route calculation is started.

Starting the route calculation



Once the destination is completely entered in the Destination Entry menu, select **Start** with the right rotary control.

Route calculation begins, using the route option settings (fastest, shortest or dynamic route).

Route options

With the route options, the calculation of the route can be influenced.



Select **Route settings** in the Destination Entry menu using the right rotary control and press to confirm.



Select from

- Fast route,
- Dyn. route RDS,
- Dyn. route TDS,
- Short route,
- Avoid Ferry,
- Avoid Motorway,
- Avoid Toll,
- Avoid Tunnel
- Private route and
- Bussiness route

by turning, and change the settings by pressing the right rotary control to select On () or Off ()

Press the control for more than 2 seconds to accept all settings and exit the menu. The route calculation is started.

Only one of the settings, **Fast route**, **Dyn. route RDS**, **Dyn. route TDS** or **Short route**, can be activated at once. The restriction

options can be combined freely.

- **Fast route**

With this setting, the shortest possible travel time to the destination is calculated.

- **Dyn. route RDS**

The route is calculated taking into account the traffic announcements received.

Note:

Dynamic route guidance is not currently possible in all countries.

When new route calculations are made with dynamic route guidance activated, the navigation system may request the Navigation CD (if the Navigation CD is not already inserted).

If dynamic route guidance is active, the routes are calculated using the "Fast Route" setting.

Further information on Dynamic Route can be found in section "Dynamic Route Guidance" on page 118.

- **Dyn. route TDS**

TDS is an additional dynamic navigation option.

At the time of going to press, this function was still undergoing the release/certification process. You will be notified separately once this process has been completed.

- **Short route**

With this setting, the shortest possible route to the destination is calculated.

Note:

For larger cities or urban areas, the setting "Short route" is recommended.

- **Avoid Ferry, Avoid Motorway, Avoid Toll and Avoid Tunnel**

provides options for avoiding bridges, ferries, tunnels or toll roads.

This means that when the () function is active, the route will be calculated e.g. without tunnels where possible.

Note:

In the case of long journeys, motorways are included in route calculation even where Avoid Motorway is activated.

- **Private route and Business route**

This function deals with settings for a driver's log.

At the time of going to press, this function was still undergoing the release/certification process. You will be notified separately once this process has been completed.

Destination memory

The destination memory contains personally stored destinations. It is not mandatory to store any destinations in the destination memory. However, it saves repeated manual entry if the destination is required again at a later date.

Calling up a destination stored in the destination memory



Using the right rotary control, select **Dest. memory** in the main Navigation menu or in another entry menu and press the control to confirm.



Select the desired destination using the right rotary control **➔** and press the control to confirm.

Route calculation begins.

Additional information about the destination can be called up before confirming the selection by pressing the left rotary control **⬅**.

Using Navigation

Storing a destination in the destination memory



Select **Save destination** in the Destination Entry menu and press the right rotary control **●** to confirm. In some menus, the destination memory can also be called up for storage of a new destination by pressing multifunction button **→□**.



A selection from **Update entry** or **New entry** can be made by turning, and confirmed by pressing, the right rotary control **●**.

- Selection **New entry**
A new entry is made for the entered destination.



A name of your choice, consisting of up to 14 characters, can be entered for the specified destination. It is stored automatically in the destination memory when you press the right rotary control **●** for longer than 2 seconds.

To store, you can also select the small check mark **✓** and briefly press the right rotary control **●**. Should you not wish to enter a name,

press and hold the right rotary control **●** for more than 2 seconds and the destination will be processed without entering a name.



The destination entered can be filed into any position in the destination memory by turning the right rotary control **●**. The memory position is confirmed by briefly pressing the right rotary control **●**. The destination to be filed is identified with **↕**.

A total of 50 destinations can be stored.

- Selection **Update entry**
An existing entry can be completed or updated with the entered destination.



Select the entry to be updated by turning the right rotary control, and press the control to confirm.

The current destination to be stored will now be attached to the entry.

Deleting a destination from the destination memory

Select destination memory (see page 109).



Select the destination to be deleted with the right rotary control **●** and press the left rotary control **●** to display the additional information on the stored destination.



Press multifunction button **→X**.



Select either **Yes** or **No** with the right rotary control **●**. The selected element will be displayed inverted.

Confirm your selection by pressing the right rotary control **●**.

Selecting **Yes** deletes the entry. The programme then returns to the destination memory.

Selecting **No** will return to the destination memory without change.

Sorting destination memory

Select destination memory (see page 109).



Select the destination to be sorted with the right rotary control and press the left rotary control to display the additional information on the stored destination.



Press multifunction button.

The selected destination can now be filed into any position desired by turning the right rotary control. By quickly pressing the right rotary control the new storage position is confirmed.

Renaming a destination in the destination memory

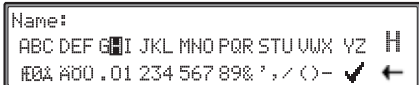
Select destination memory (see page 109).



Select destination to be renamed with the right rotary control and press the left rotary control to display the additional information on the stored destination.



Press multifunction button.



A new name of your choice, consisting of up to 14 characters, can be entered, and is applied by pressing the right rotary control for more than 2 seconds.

To store, the small check mark can also be selected and the right rotary control briefly pressed.

Destination memory full



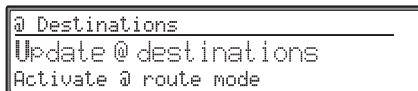
Occurs when the destination memory is full. By turning the right rotary control select either Delete (to jump to destination memory to delete a destination, see "Deleting a destination from the destination memory" on page 110) and Cancel (Cancel Save). Press to confirm your selection.

Using Navigation

Accessing @ Destinations

You can use the @ Destinations menu item in the main navigation menu to download and navigate to destinations you have saved on the BeckerClub homepage. Please see "BeckerClub" on page 154 for a description of how to access the BeckerClub.

In the Main Navigation Menu, select ● @ Destinations with the right rotary control and press the control to confirm.



By selecting Update @ destinations and pressing the right rotary control ●, a WAP connection to the homepage will be established and the relevant data will be loaded.

The WAP Browser is displayed. The dial-up process can be observed and any error messages will be displayed.

After the loading process, the connection will be terminated and a list of the downloaded destinations will be shown.

Note:

If the telephone mode is not available Update @ destinations is displayed in brackets and cannot be selected.

The destinations downloaded using "@ Destinations" are handled in the same way as the destination memory. Destinations can be selected and navigated to directly.



Select the desired destination using the right rotary control ●. Select ● by briefly pressing the right rotary control.



Selecting Start... initiates the route calculation.

Saving and Deleting "@ Destinations"

Select ● @ Destinations in the main navigation menu using the right rotary control and press to confirm.



Select the destination to be saved or deleted with the right rotary control ● and confirm by pressing the left rotary control ●.



Pressing multifunction button → will call up the destination memory and save the destination. See "Destination memory" on page 109.

By pressing the multifunction button →X the selected entry can be deleted.



With the right rotary control ● select either Yes or No. The selected element will be displayed inverted.

Confirm your selection by pressing the right rotary control ●.

Select Yes to delete the entry. Afterward, the programme returns to the list of loaded destinations. Select No to return to the list of the loaded destinations.

@ Route Mode

By selecting **Activate @ route mode** and pressing the right rotary control **➤** route calculation to the destinations loaded from the homepage is started automatically.

Once you have reached the first destination, route calculation to the next destination is started automatically.

Note:

If no destinations have been loaded from the homepage, **Activate @ route mode** is displayed between brackets and cannot be selected.

Last destinations

A list of the last 50 destinations is displayed. Stop-overs are not stored as last destinations.

Driving to one of the "Last Destinations"



In the Main Navigation Menu, select **Dest. Memory** with the right rotary control and press the control to confirm.



Select the desired destination with the right rotary control **➤** and press the control to confirm.

Then start route guidance.

Additional information on the destination can be called up by pressing the left rotary controls **➤** before confirming selection.

Saving and Deleting "Last Destination" destinations



In the Main Navigation Menu, select **Last destinations** with the right rotary control and press the control to confirm.



Select the destination to be saved or deleted with the right rotary control **➤** and confirm by pressing the left rotary control **➤**.



Press the multifunction button **→□**, to call up the destination memory and save the destination. See "Destination memory" on page 109.

Using Navigation

By pressing multifunction button **→X**, the selected entry can be deleted.



With the right rotary control **●** select either **Yes** or **No**. The selected element will be displayed inverted.

Confirm your selection by pressing the right rotary control **●**.

Selecting **Yes** will delete the entry. Afterward the programme will return to the list of last destinations.

Selecting **No** will return you to the list of last destinations without change.

Coordinate entry

If the coordinates for a destination are known, these can be entered and route guidance to the destination started.



With the right rotary control **●** select **Coordinates** in the main Navigation menu and press to confirm.



By turning the right rotary control **●** the position to be entered can be selected. Entry of degrees, minutes and seconds can be selected individually. After pressing the multifunction buttons **1** - **0** the required coordinates can be entered.

In the case of an incorrect entry, the individual values must be overwritten.

When the desired coordinates have been entered, route guidance can be started by pressing and holding the right rotary control **●**.

Route guidance calculation



The message "Calculating route" indicates that the distance is being calculated, which may take several seconds.

After the first route guidance announcement, the prompt **CD** will continue to blink on the display until the route has been completely calculated. When a distant destination is entered, it is recommended that you wait until **CD** has stopped blinking before departing.

Recalculating route

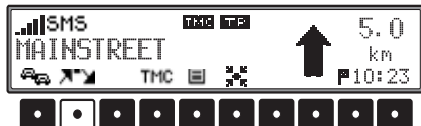



If the current route is not followed due to road blocks, diversions, unintentionally driving in the wrong direction or failing to observe the recommendations, the system immediately calculates a new route. During this re-calculation, **NEW ROUTE** is displayed.

Stopover


Stopover offers the possibility of entering a stopover destination during the active route guidance.

Entering a stopover



Press multifunction button .



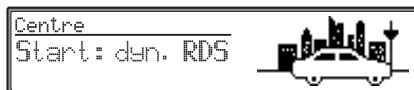
Using the right rotary control , make a selection and press the control to confirm.


- **Destination**
(see page 104) allows the entry of a stopover with the precise specification of the address.
- **Dest. memory**
(see page 109) Selecting a stopover from the destination memory.
- **Last destinations**
(see page 113) Selecting a stopover from the "Last Destination" memory.
- **P.O.I.**
(see page 121) allows the selection of special destinations, such as petrol stations or airports, as stopovers via Surrounding area, National and Country/Town.

- **@ destinations**
(see page 112) for selection of one of the downloaded destinations as an intermediate destination.
- **Coordinates**
(see page 114) enables entry of a stopover via geographic coordinates.


Start route guidance to stopover

Starting route calculation to the stopover is only necessary following the entry of a destination. In all other situations, route calculation is started automatically following selection of a destination or after confirmation of the coordinates.

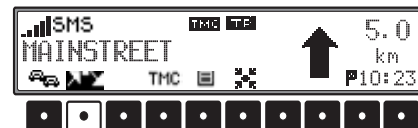



To start route guidance to the stopover, press the right rotary control . The route is calculated and route guidance begins.

Note:


During route guidance to a stopover,  is displayed inversely.


Deleting a stopover



Press multifunction button .



With the right rotary control , select either **Yes** or **No**. The selected element will be displayed inverted.

Confirm your selection by pressing the right rotary control .

Selecting **Yes** will cancel route guidance to the stopover, and the route to the main destination will be calculated.

If you select **No** the stopover will not be cancelled.

Stopover reached



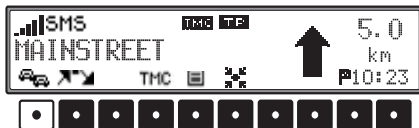
After the message „You have reached your stopover“, route guidance to the main destination begins automatically.


Using Navigation

Traffic jam function


This function allows you to block route sections ahead from the nearest junction and to calculate a detour route when a traffic jam or road block is directly ahead.

Entering length of traffic jam




Press multifunction button .

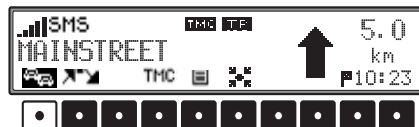



Using the right rotary control , select the length of the traffic jam and press the control to confirm.




 is displayed inversely and the route is recalculated.


Delete block



Press multifunction button .



With the right rotary control , select either **Yes** or **No**. The selected element will be displayed inverted.

Confirm by pressing the right rotary control .


Selecting **Yes** will cancel the block.


Selecting **No** will not cancel the block.

Cancelling route guidance

Press .



With the right rotary control , select either **Yes** or **No**. The selected element will be displayed inverted.


Confirm your selection by pressing the right rotary control .

Selecting **Yes** cancels route guidance.

If you select **No** route guidance will continue.

Notes on route guidance

After entering the destination (address), the system calculates the route and announces: "Ready to drive off".

You will receive the navigation recommendations by voice messages and screen displays. Press the left rotary control  to have the current recommendation repeated.



Danger Accident hazard

If a driving recommendation contradicts the applicable Road Traffic Regulations (RTR), the RTR are always valid!

For clarification, the following contains some examples of possible driving recommendations:


- "Please perform a U-turn if possible".



You are driving in the wrong direction and should turn around at the earliest opportunity.

- "Please turn right after 300 metres".



The arrow indicator  points to the next street into which you should turn.

The progress bar on the right illustrates the distance and the black part decreases as you approach the intersection.

- "Please follow the road".



This display tells you that you should continue to follow the road you are on.

- "Prepare to turn left" or "Please merge into left lane".



This recommendation prepares you for the next turn to be taken.

"Please merge into left lane" does not mean however that you should immediately get into the left turn lane!

Note:

At intersections and roundabouts, only the ends of the roads to be passed are displayed.

- "Please leave the roundabout at the third exit on the right".



This display shows you which exit (marked with the arrow) you must take at the roundabout.

- "Now drive straight ahead".



At this point, you must drive straight ahead.

Using Navigation

- "Please follow the arrows".



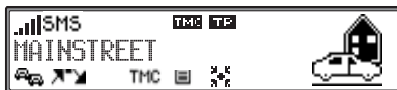
This display tells you that you are currently on a non-digitised street (i.e. parking lot, garage, parking deck) which is not contained in the digitised road map. The arrow indicates the direction of the destination as the crow flies.

- "Keep right after 2 kilometres".



Keep right means that the street will split and that you should follow the corresponding direction of travel.

- "You have reached your destination".



The specified destination has been reached and route guidance is terminated.

Dynamic Route Guidance

Note:

Dynamic route guidance is not possible in all countries.

Dynamic route guidance is used to calculate the route, taking current traffic announcements into account.

The traffic announcements are transmitted by a TMC radio station in addition to the radio programme and are received and analysed by the navigation system. The reception of traffic announcements is free of charge.

Note:

Traffic announcements are transmitted by radio stations, therefore we cannot accept any responsibility for the completeness and correctness of the announcements

If dynamic route guidance has been activated, a continuous check is made for the presence of relevant announcements for the selected route. The route is then calculated using the "fast route" option, while taking into account current traffic announcements. If it is determined during these continuous checks that a traffic announcement is of relevance for the route guidance, the unit will automatically re-calculate a new route to the destination.

NEW ROUTE is shown on the display. In addition, there is a voice announcement "The route is being recalculated due to current traffic announcements".

Note:

If no TMC station can be found, the display will show `Currently TMC reception is not possible`. The unit will switch back to the route guidance display after a short time.

If no TMC stations can be found within 10 minutes, `Currently TMC reception is not possible` will appear on the display again and a short signal tone will sound.

Your navigation system can receive TMC information, whether a TMC station is selected or not. However, in order to guarantee optimal reception of TMC information, we recommend the selection of a TMC station. You can recognise a TMC station during FM reception by the abbreviation TMC. See "Display for TMC stations" on page 163.


Note:




Austria: The location and event code was made available by ASFINAG and BMVIT.


Information during route guidance

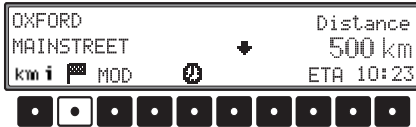



Press the left rotary control .

The destination, the distance and the estimated time of arrival are displayed.


The complete list can be displayed by turning the right rotary control .

To return to route guidance, press the left rotary control  again or wait for 8 seconds.




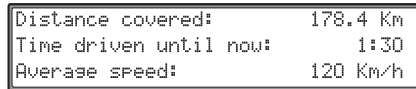
If route guidance to a stopover is active, the stopover can be displayed by pressing the multifunction button .

Requesting journey duration and kilometres travelled


During route guidance, press the left rotary control .




Press multifunction button .





The journey duration, kilometres travelled and the average speed are displayed.

By pressing the right rotary control , the display is cancelled.

The display can be reset to "zero" by pressing and holding the right rotary control .

Displaying/changing route settings



During navigation, press the left rotary control . Press the multifunction button .

The route settings are displayed.





The settings can be changed as described under "Route options" on page 108. After confirming the change, the route is re-calculated with the altered route settings.

After 8 seconds without operation, the system returns to the route guidance display.

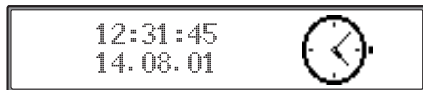
Requesting current time



During route guidance, press the left rotary control .

Press multifunction button .

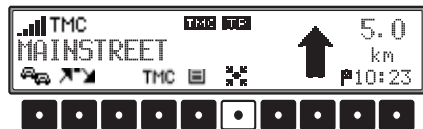
Using Navigation



The current time is displayed. After 8 seconds, the system returns to the route guidance display. The clock settings can be accessed by pressing and holding the right rotary control . See "Setting time" on page 124.

Requesting current position

During route guidance, the current position can be requested.



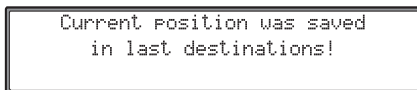
Press multifunction button .



The current position, with street name (if available), latitude and longitude, elevation above sea level (in 50 m increments) and the number of satellites received will be displayed.

Pressing the right rotary control will return you to the route guidance display.

Press multifunction button to store the current position in the "last destination" memory.



Return to the route guidance display by pressing the right rotary control or waiting a short time.

Calling up traffic announcements

All the traffic announcements received or those relevant for the route can be called up.



Press the multifunction button . All received traffic announcements will be displayed.

Press the multifunction button . The traffic announcements relevant for the route are displayed.

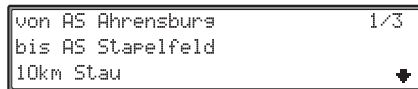
If no traffic announcements are available, the multifunction buttons and are not displayed.



The list is sorted. The list displays warning messages (e.g. wrong-way drivers) first, followed by traffic problems (e.g. accidents) and lastly traffic problems due to road construction.

If more than one traffic problem exists on a road, the number of problems is shown by 2x..., 3x... etc.

To display the entire text of the traffic announcements, select the desired entry with the right rotary control .



Traffic announcements will be shown for the selected road.

If several announcements (e.g. 3) have been received, the individual announcements are indicated by 1/3, 2/3 and 3/3. The announcements displayed can be scrolled through by turning the right rotary control .

The announcements can also be read out. For this purpose, press the right rotary control for more than 2 seconds.

Pressing the right rotary control returns to the list of traffic announcements.


Note:

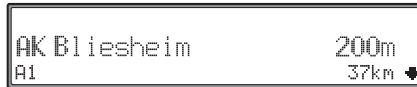
If the reception of traffic announcements is not possible for technical reasons, or will be shown in the display.


Call up route list

During route guidance, the planned route can be called up via the route list, and the relevant traffic announcements for the route can be displayed.




Press multifunction button .




The current road and the road names up to the destination are displayed. Scroll through the route list by turning the right rotary control .

Note:





After entering the destination, it will take some time until the route list is compiled. If the vehicle is currently in an "off road" area when the destination is entered, no route list can be compiled until a stored road is reached. If no route list is yet available, the multifunction button  is not displayed.

Information during non-active route guidance

Press the left rotary control .

If possible, the current position with location and street is displayed.




- By pressing the multifunction button  the journey duration, kilometres travelled and the average speed of the last navigation route can be displayed. See "Requesting journey duration and kilometres travelled" on page 119.
- By pressing the multifunction button  a list of received traffic announcements is displayed (see page 120).
- The time is displayed by pressing the multifunction button . See "Requesting current time" on page 119.
- The current position can be called up or stored by pressing the multifunction button . See "Requesting current position" on page 120.

P.O.I.

Menu for selecting points of interest from a predetermined list or points of interest that are stored on the Beckerclub homepage. Points of interest include petrol stations, airports or hospitals, for example.




With the right rotary control, select  P.O.I. in the Main Navigation Menu and press the control to confirm.



The items

- National,
- Surrounding area,
- Country/town and
- @ P.O.I.

become available.

With the right rotary control , make and confirm a selection.

Using Navigation

- Selection National



Using the right rotary control ●, select a category and press the control to confirm.

A list of points of interest is displayed or, if there are more than 9 entries in the list, you will be prompted to enter the text.



Enter the point of interest and confirm. Confirm the special destination in the displayed list by pressing the right rotary control ●. The system jumps to the route menu.

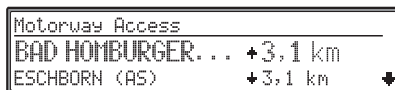
Note:

A list of possible points of interest is displayed immediately when you press the right rotary control ● for more than 2 seconds without having selected any letters.

- Special destinations Surrounding area
Special destinations within the current vicinity of the vehicle can be selected.



Using the right rotary control ●, select a category and press the control to confirm.



Destinations are listed according to proximity. The figures in kilometres relate to the direct distance (as the crow flies) between the point of interest and the current location.

The arrows following the distance information indicate the direction of the relevant point of interest (e.g. ↑ point of interest lies in the direction of travel, ↓ point of interest lies in the opposite direction to that of travel). Select the desired destination using the right rotary control ●.

By pressing the left rotary control ●, information about the selected destination is listed (i.e. for a hospital).



By pressing multifunction button, ☎ a telephone number for the special destination can be

dialled directly. You will find detailed instructions for the use of the telephone in section "Calling" on page 128.

Confirm your selection with the right rotary control ●. The system jumps to the route menu.

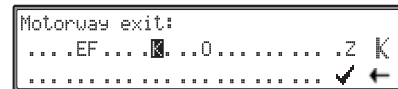
- Points of interest Country/town
Select the desired country as described under "Selecting country" on page 104. Enter the destination as described under "Entering destination" on page 105 or enter the postal code of the destination as described under "Entering destination town postal code" on page 105.

After confirming the destination the points of interest of the selected location are displayed.



Using the right rotary control ●, select a category and press the control to confirm.

A list with special destinations is displayed or, if there are more than 9 entries in the list, you will be prompted to enter text.



Enter the point of interest and confirm. Confirm the special destination in the displayed list by pressing the right rotary control ●.

The system jumps to the route menu.

Note:

A list of possible points of interest is displayed immediately when you press the right rotary control **➤** for more than 2 seconds without having selected any letters.

- Points of interest via **P.O.I.**
A point of interest can be called up from the points of interest stored on the Beckerclub homepage via a WAP connection.



The items

National,
Surrounding area and
Country/town

are available.

With the right rotary control **➤**, make and confirm a selection.

- Select: **National**
Then, only national points of interest in various categories will be offered for selection.
- Select: **Surrounding area**
Points of interest in the current vicinity of the vehicle will be offered for selection.

- Select: **Country/town**

After selecting the country and the town, the categories and the points of interest are displayed for the given location.

Once a selection has been made a WAP connection will be established to the Beckerclub homepage. You can select the desired category (e.g. restaurant etc.).

After selecting the category, the points of interest corresponding to the category are displayed and can be selected.

System settings

Press the key **F** in the Main Navigations Menu. The system settings menu is requested.



Select one of the following:

Language,
Clock settings,
Voice announcement,
Traffic news,
Settings,
Measuring unit or
Adapt ETA

by turning the right rotary control and confirm the selection by pressing **➤**.

- **Language**
The language of the text display and voice announcements can be selected.
- **Clock settings**
The system's internal clock can be set to the local time.
- **Traffic news**
Voice announcements for the traffic warnings or traffic announcements can be turned on or off.
- **Settings**
The Animation display can be turned on or off. Announcement of the estimated time of arrival can be turned on or off.

Using Navigation

- **Measuring unit**
The unit display can be set from metres to yards.
- **Language**
The language of the text display and voice announcements can be selected.
- **Adapt ETA**
Calculation of the ETA can be influenced.

Setting the language



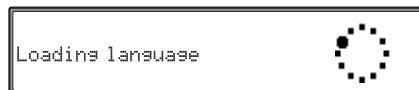
Set and confirm **Language** in the System Settings menu.



Select the language using the right rotary control **+**. The language selection is applied when the control is pressed, and the language is installed. You can choose either a male or a female voice for certain languages.



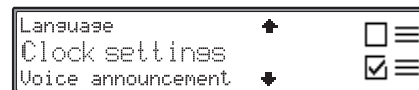
Select the voice using the right rotary control **+**. The voice is applied and installed by pressing the control.



After installation, the unit will return to the previously selected mode (Radio, CD etc.).

Setting time

In order to achieve correct navigation on routes with time-sensitive guidance and to calculate the estimated time of arrival, it is necessary to set the GMT time transmitted from satellites to the current time zone.



Set and confirm **Clock settings** in the System Settings menu.



With multifunction button **24H**, the time can be changed from 24- to 12-hour display.



With the multifunction buttons **+** or **-**, the time will be changed every half-hour.

By pressing the right rotary control **+** or multifunction button **OK**, the set time is accepted.

The programme jumps back to the System Settings menu.

Setting voice output

Here you can set whether the voice output of navigation announcements are mixed with the current audio source, the current audio source is muted during navigation announcements, or whether the volume of the navigation announcements can be set independently of the volume of the current audio source.



Select and confirm **Voice announcement** in the System Settings menu.



Turn the right rotary control to select the desired setting. A setting can be activated () by pressing the right rotary control.

Confirm your selection by pressing and holding the right rotary control.

- **Mix with audio**
Navigation announcements are mixed with the current audio source.
- **Switch audio to mute**
The current audio source is muted when a navigation announcement is made.
- **Set volume freely**
The volume of navigation announcements can be set independently of the audio source during a navigation announcement.

Setting the vocal announcement of traffic reports

You may choose the type(s) of traffic announcements to be read aloud.

Traffic announcements are given depending upon route calculation and receipt of new announcements.



Set and confirm **Traffic news** in the System Settings menu.

The items

Traffic announcement update,
Warnings announcement and
Only on route

are available for selection

- Turning voice announcement of all traffic announcements on or off: Set **Traffic announcement update**.



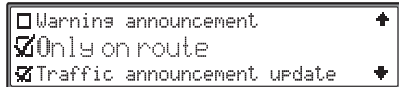
By pressing the right rotary control, you can choose between **Voice Warning Announcements On** () or **Off** (). Confirm your selection by pressing and holding the right rotary control.

- Turning all warning announcements on or off: Activate **Traffic announcement update** as described above.
Set **Warnings announcement**.



Press the right rotary control to choose between **All Warning Announcements On** () or **Off** (). Confirm your selection by pressing and holding the right rotary control.

- Turning **Voice Announcement of route-relevant traffic announcements** on or off: Activate **Traffic announcement update** as described above, and it set to **Only on route**.

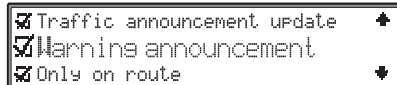


Press the right rotary control to choose between **Voice Announcement of route-relevant traffic announcements On** () or **Off** (). Confirm your selection by pressing and holding the right rotary control.

Using Navigation

- Turning route-relevant traffic announcements on or off:

Activate Traffic announcement update, Warnings announcement and Only on route as described above.



If all entries are active, only the warning announcements relevant for the route will be issued.

Exit the traffic announcements Set-up menu by pressing the right rotary control **➤** for more than 2 seconds.

Settings



Set and confirm Settings in the System Settings menu.

The entries

Announcement ETA and
Animation in menus

are available for selection

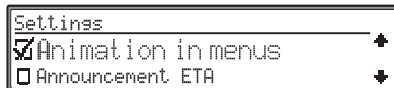
- Turning announcement of Arrival Time on or off:

Set Announcement ETA.



By pressing the right rotary control **➤**, you can choose between Arrival Time On () and Off (). Confirm your selection by pressing and holding the right rotary control **➤**.

- Turning Menu Animation on or off:
Set Animation in menus.



By pressing the right rotary control **➤**, you can choose between Menu Animation On () and Off (). Confirm your selection by pressing and holding the right rotary control **➤**.

Exit the Setting menu by pressing the right rotary control **➤** for more than 2 seconds.

Selecting the units



Set and confirm Measuring unit in the System Settings menu.



Select the preferred unit of measurement. Pressing the right rotary control **➤** then selects either On () or Off ().

Exit the Measurement unit setting menu by pressing the right rotary control **➤** for more than 2 seconds.

Note:

Metric stands for calculation in metres. Imperial stands for calculation in yards.

Influencing the calculation of ETA



Select and confirm **Adapt. ETA** in the System Settings menu.

ETA stands for **Estimated Time of Arrival**.



Select from

Sports car,
Car,
Goods vehicle and
User-defined

by turning the right rotary control **⬇** and press to confirm.

- **Sports car**
With this setting the unit adjusts ETA for faster drivers. An earlier ETA is calculated.
- **Car**
This is the default setting. It offers sufficiently accurate calculation of the ETA for most drivers.

- **Goods vehicle**
With this setting the unit adjusts for drivers who may take longer for the planned journey. This setting could be selected, for example, for a slower vehicle or in dense traffic areas.
- **User-defined**
Calculation of the ETA can be adapted as required.



By turning the right rotary control **⬆** select the change, as a percentage, with respect to the default setting and press the right rotary control **⬆** to confirm.

Telephone mode

Activate telephone mode

In order to activate the telephone mode, the Communications menu must be called up. If the vehicle ignition has been turned off since the last entry of the telephone PIN number, the PIN number must first be re-entered as described in section "Entering the Telephone PIN" on page 97.


In the upper left corner of the display, the strength of the signal reception is displayed. The more bars are visible, the better the telephone reception.

Note:

A weak signal impairs voice and transmission quality, and can lead to loss of the connection.

GPRS operation is not yet possible with the current telephone modules.

Calling up the Communications menu

The Communications menu is called up by pressing the  key.




Calling

The telephone must be activated to make a call.



Dial the number

Call up the Communications menu.







Press multifunction button .




Press the multifunction buttons  through , to enter the desired number with the area code (and, if necessary with international dialling prefix).


Enter special characters (+, # or *), if necessary:

- Press and hold the plus (+) multifunction button .
- Press and hold the star (*) multifunction button .
- Press and hold the pound sign (#) multifunction button .


Numbers or characters already entered can be deleted by turning the right rotary control  to the left.

To dial a completely entered number, briefly press the right rotary control  or remove the handset (optional accessory) from its cradle.

Note:

During number entry, the menu for the telephone list can be called up by turning the right rotary control  to the right (see also page 132).





Connection with the desired party will be made. By pressing multifunction button , dialling can be cancelled.

Terminating a call



An ongoing call or dialling can be terminated.



To do this, briefly press the right rotary control , or the multifunction button  in the Call menu. The call or dialling will be terminated.

Accepting a call



To accept an incoming call, briefly press the right rotary control , press multifunction button  or remove the handset (optional accessory) from its cradle.


Instead of **Phone call !**, the name or number of the person calling can be displayed if available.

Note:

Incoming calls will only be signalled when the telephone is turned on and activated (PIN number entered).

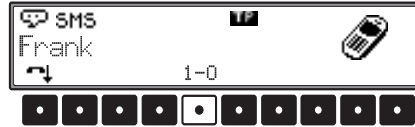
Rejecting a call





To reject an incoming call, press multifunction button . The person calling will hear a busy signal.



During a call

It may be necessary to enter numbers or characters during a call. This may be required to control an available voice mailbox, depending on the network provider.



Press the multifunction button  or turn the right rotary control .






A number can be entered during a call by pressing the multifunction buttons  through . This may be necessary for example, depending upon the provider, to control an available voice mailbox.

The call is transferred to the handset by removing the handset from its cradle (optional accessory). The unit will then return to the previously active audio source.

Toggle – second call

If the call waiting function is activated (see "Call settings" on page 136.), a further call is signalled during an ongoing call.





- The new call is accepted by pressing the multifunction button , the current call is put on hold in the background. You can then toggle between these two calls.
- The new call is accepted by pressing the multifunction button . The current call is ended.
- By pressing the multifunction button  the new incoming call is rejected. The caller hears a busy tone.

During two concurrent calls, you can toggle between the two calls or end a call.

Telephone mode



- Press the multifunction button  to toggle between the two calls.
- Pressing the multifunction button  ends the call to the current party. The call on hold automatically becomes the active call.


Note:

Not all of the functions described may be supported by the network provider.

Conference



If you have accepted two calls (toggling), you can combine these into a conference call, i.e. all three parties can speak with one another.



The two calls are combined into a conference call by pressing the multifunction button .

An existing conference can be separated again, or it can be ended completely.



- Both calls can be ended by pressing the multifunction button .
- The two calls in the conference call can be separated into two individual calls by pressing the multifunction button . The functions described under "Toggling – second call" on page 129 are available to you again.

Note:

Not all of the functions described may be supported by the network provider.

Telephone book


The telephone book will display the entries stored on the SIM card.

Telephone book entries can be dialed directly from the telephone book.

Telephone book entries can be edited and inserted.

Calling up the telephone book



In the Communications menu, press multifunction button .



The telephone book is displayed.

Dialling a telephone book entry

Call up telephone book.



There are two possibilities for dialling an entry:

- By turning the right rotary control ●.
- By repeatedly pushing one of the multifunction buttons **ABC** - **YZ**.

If an entry to be dialled begins with the letter "F" for example, multifunction button **DEF** must be pressed 3 times.

In the telephone book, the first entry beginning with the letter "F" is displayed. By turning the right rotary control ●, the desired name can be selected.

After pressing multifunction button **A/A**, special characters can also be selected via the multifunction buttons.

To dial the selected telephone book entry, briefly press the right rotary control ●.

Connection will be made with the desired person.

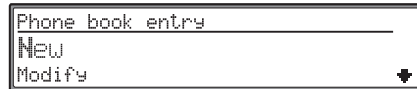
Editing / Adding / Deleting telephone book entries

Call up the telephone book.



Select the entry to be edited or deleted as described above or, to add an entry, select any entry.

By pressing and holding the right rotary control ●, the Telephone Book Entry menu will be displayed.



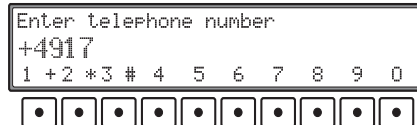
By turning the right rotary control ●, you can choose between

New,
Modify and
Delete.

Confirm your selection by pressing the right rotary control ●.

Adding an entry:

After selecting New, the telephone number of the new entry must be entered first.



Press the multifunction buttons **1+** through **0**, to enter the desired number with area code

(and international dialling prefix if necessary).

Briefly press the right rotary control ● to apply the number entered.

Next, the name for the new entry must be entered.




You may now enter a name. There are two possibilities:

- Select the letter or character with the right rotary control ● and press the control to confirm. The selected letter is displayed inversely.
- Select characters or letters by repeatedly pushing the multifunction button below the desired character; i.e. to enter a C, the multifunction button below ABC must be pressed 3 times.


Further entry and formatting possibilities:

Telephone mode


• Upper / lower case letters

With multifunction button , you can choose between upper and lower case letters.


• Special characters / Numbers


With multifunction button , you can choose between special characters and numbers.

• Moving the cursor

Press multifunction button .

By repeatedly pressing the multifunction button, the cursor can be moved to the left.

If multifunction button  is held for more than 2 seconds, the display will move above the multifunction button, and the cursor can be moved to the right by repeatedly pressing the multifunction button.

By pressing and holding the right rotary control , the name entered is accepted.

The new entry will be stored in the telephone book.

Editing:

After selecting **Modify**, the previous telephone number of the entry to be edited must first be changed or confirmed.

Afterward, the previous name of the entry will be shown to be changed or confirmed.


Note:

The menus for entering the telephone number or name are operated as described above in "Adding an Entry".

Löschen:

After selecting **Delete**, the following menu is shown for safety reasons:



By turning the right rotary control , select either **Yes** or **No** (the inverted entry is active) and press the control to confirm.


Selecting **Yes** deletes the entry from the telephone book.

Selecting **No** will return to the telephone book without change.

Call list


The unit stores numbers and names (if known from the telephone book) of phone numbers dialed as well as answered and unanswered calls, in a list. Numbers and names can be only stored if the number of the caller was transmitted.

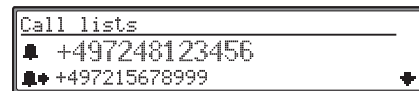
Note:


The call list can only be selected when numbers or names have been saved in the list. If nothing is stored in the list, multifunction button  will not be displayed.

Open the Communications menu to call up the call list.






Press multifunction button .



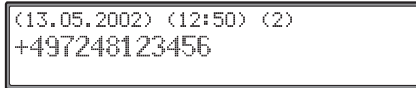
The displayed list can be scrolled through by turning the right rotary control .

The type of entry is indicated by various symbols in front of the corresponding entry.

- Symbol  stands for an answered call.
- Symbol  stands for an unanswered or rejected call.
- Symbol  stands for dialled numbers.

The entries in the list can be selected by turning the right rotary control **●**.

By briefly pressing the right rotary control **●**, details on the entry can be displayed.



The call date, the call time (last call), the number of calls and the phone number and, if available, the name are displayed.

By briefly pressing the right rotary control **●** again, a connection is made to the corresponding caller.

Saving entry from call list

You can edit the numbers saved in the call list and add them to the telephone book.

For this purpose, select the number you wish to save from the call list by turning the right rotary control **●**. Afterward, press and hold the right rotary control **●** for more than 2 seconds.



By turning the right rotary control **●** select either Yes or No (the inverted entry is active) and press to confirm.

Selecting Yes opens the menu for saving a name. A name can be entered or the numbers changed as described under "Editing / Adding / Deleting telephone book entries" on page 131.

Selecting No will return without change.

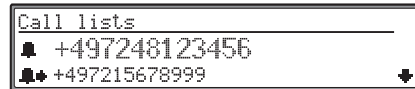
Deleting Telephone List

All telephone lists can be deleted.

Call up the Communications menu.



Press multifunction button **☐**.



By turning the right rotary control **●**, select Delete all call lists? and press the control to confirm.

All numbers and names in the list are deleted.

Emergency call

Note:

Harman/Becker cannot generally be held liable for the emergency call function.

Emergency call via voice connection

An emergency call can be made regardless of the telephone status. However, various procedures can be used. There are three possible modes:

Telephone is activated:

When the telephone is activated, press multifunction button **☐** in the Communications menu.



Then, dial 112 using the multifunction buttons. Confirm the number by pressing the right rotary control **●**.

PIN Number not entered:

Press **☐**.



Then, dial 112 with the multifunction buttons.

Telephone mode

No SIM card inserted:


Press .



Then, press one of the multifunction buttons.

In all three situations, a prompt will appear before the emergency number is actually dialed.





Turn the right rotary control  to select either **Yes** or **No** (the inverted entry is active), and press the control to confirm.

Selecting **Yes** will trigger the emergency call.

Selecting **No** will return to the previous menu without change.

Emergency Call Via GDV Call Centre

In the event of an emergency, you can press  and  to send an emergency call **in Germany** to the GDV Online Call Centre (Gesellschaft Deutscher Versicherter).

After starting the emergency call, all emergency-relevant information such as data regarding the position of the vehicle (determined via GPS), the vehicle licence number etc. are transmitted.

In addition to the data transmission, a voice connection to the emergency call centre is established; further information can then be communicated to the call centre where possible.

Prerequisites for placing an emergency call with the call centre:

- Entry of the relevant data in the emergency call settings. See section "Emergency call settings" on page 135.
- An valid contract with a telephone network operator must exist.
- The Online Pro must be switched on.
- The telephone must be activated and the relevant mobile communications network must be available.

Making an emergency call


Note:

Note the previously mentioned prerequisites for making an emergency call.

Press  and  simultaneously.



The emergency call will be started after 10 seconds. The time is counted down on the right side of the display.


By turning the right rotary control  select either **Ja** or **Nein** (the inverted entry is active) and press to confirm.

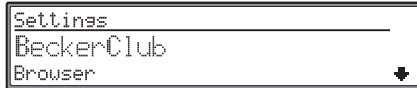
Selecting **Yes** immediately initiates the emergency call.


Selecting **No** cancels the emergency call.

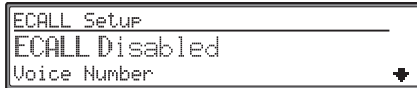
Emergency call settings

In order to make an emergency call via the emergency call button, some settings must be made in the emergency call settings.

To call up the Emergency Call Settings menu within the Communications menu, press the  button.





With the right rotary control,  select ECALL Setup and press to confirm.



Select the emergency call settings

ECALL Disabled or ECALL Enabled,
Voice Number,
Telephone SIM Number,
URL,
Car License Plate and
Car registration country

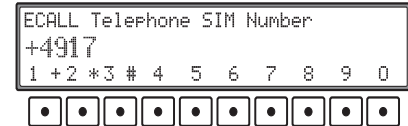
by turning the right rotary control  and press to confirm.





- ECALL Disabled or ECALL Enabled
Emergency call must be activated in order to use the emergency call function. Select ECALL Disabled by turning and pressing the right rotary control . The display changes to ECALL Enabled.
- Voice Number
After selection, a preset telephone number is displayed.
The factory-set telephone number should not be changed. You will receive a message in case of any necessary updates.

Note:

Customers outside Germany may enter a telephone number containing a maximum of five digits. This number will be dialled when an emergency call is activated. Other data such as the position of the vehicle or the vehicle licence number is not transmitted. If you enter a number containing more than five digits we cannot guarantee that the connection will be made.

- Telephone SIM Number
After the number has been dialled, enter your own mobile number.



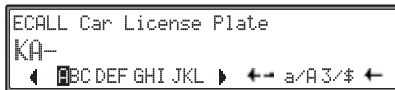
Enter the number by pressing the multifunction buttons  to . Individual characters can be deleted by turning the right rotary control . The number is accepted by pressing the right rotary control .

- URL
After the selection, a preset URL is displayed.
The factory-set URL should not be changed.
You will receive a message in case of any necessary updates.

Telephone mode

- Car License Plate

After the number has been dialled, enter your vehicle licence number.



Enter your vehicle licence number. Entry is the same as for entering a new name for a new telephone book entry (Seite 131).

When you have entered the complete licence number, store your entry by pressing and holding the right rotary control ●.

- Car registration country

Next, select the country in which your vehicle is registered.



Turn the right rotary control ● to select the country of registration. The country is selected and stored by pressing the right rotary control.

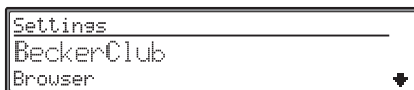
Settings

In the Telephone Settings menu, telephone-specific settings can be made.

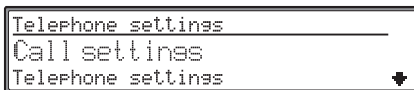
Note:

Not all of the function described may be supported by the network provider.

To call up the Telephone Settings menu, press the ● key in the Communications menu.



Select ● Telephone with the right rotary control and press the control to confirm.

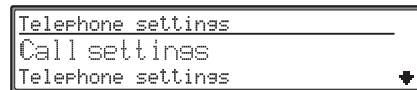


For telephone-specific settings, selection of

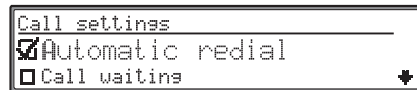
- Call settings,
- Telephone settings,
- PIN settings,
- Call forwarding,
- SMS (see also page 145) and
- Block

can be made by turning, and confirmed by pressing, the right rotary control ●.

Call settings



In the Telephone Settings menu, select Call settings with the right rotary control ● and press the control to confirm.



A selection from

- Automatic redial,
- Transmit own number and
- Accept call automatic.

can be made by turning, and confirmed by pressing, the right rotary control ●.

Briefly press the right rotary control ● to select On (☑) or Off (☐).

Pressing the right rotary control ● for more than 2 seconds accepts all settings and exits the menu.

- Automatic redial (Automatic redial)
If a dialled number is busy, the number will be redialled automatically 3 times in intervals of 1 minute if function (☑) is active.
If another number is dialled or accepted within that period, the automatic redial is cancelled.
- Transmit own number
When the function is active (☑) your number will be sent to the person you are calling.

- **Accept call automatic.** (Automatic Call Answering)
When the function is active () incoming calls will be answered after the 3rd ring.
- **Call waiting**
When the function () is active, an optical and acoustic signal will alert you during an ongoing call that a new call is coming in. The caller hears the telephone ringing.
When the function () is inactivated, the caller hears a busy signal.

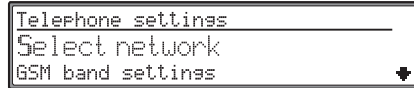
Note:

Not all of the functions described may be supported by the network provider.

Telephone Settings



In the Telephone Settings menu, select **Telephone settings** with the right rotary control **●** and press the control to confirm.



Selection

Select network,
GSM band settings,
Factory settings,
Serial number or
Software version

by turning the right rotary control **●**. Press to confirm your selection.

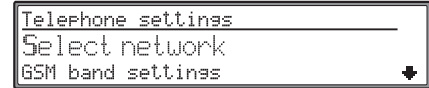
- **Select network**
You can set whether an available mobile phone network is selected automatically or specified by you.
- **GSM band settings**
You can choose between GSM Bandwidths 900/1800 MHz and 1900 MHz (USA).
- **Factory settings**
After selection, all settings that pertain to the telephone will be returned to their factory settings.

- **Serial number**
After selection, the serial number of the telephone will be displayed.
- **Software version**
After selection, the software version of the telephone module is displayed.

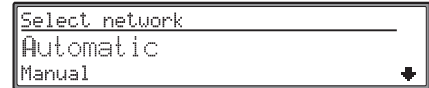
Selecting a network



In the Telephone Settings menu, select **Telephone settings** with the right rotary control **●** and press to confirm.



By turning the right rotary control **●**, select **Select network** and press to confirm.



Select from

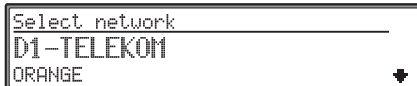
Automatic,
Manual and
Cancel

by turning the right rotary control **●**. Press to confirm your selection.

Telephone mode

Automatic selects a network corresponding to your location and the SIM card used.

When Manual is selected, a list of available mobile phone networks is displayed following interrogation of the network status.



Turn the right rotary control ● to select the desired mobile phone network. Press to confirm your selection.

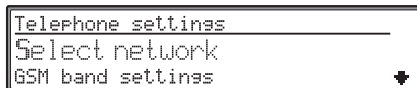
Note:

If you have selected a mobile phone network manually, a new mobile phone network cannot be selected automatically when you leave the transmission range of that network.

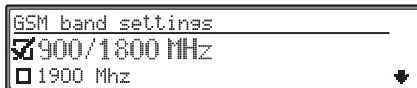
GSM Band Settings



In the Telephone Settings menu, select Telephone settings with the right rotary control ● and press the control to confirm.



By turning the right rotary control ● select GSM band settings and press the control to confirm.



A selection from
900/1800 MHz and
1900 MHz

can be made by turning, and the setting changed by pressing, the right rotary control ●.

By briefly pressing the right rotary control ●, you can choose between On (☑) and Off (☐).

After the change, a prompt will appear asking if you really wish to change the bandwidth.



Turn the right rotary control ● to select either Yes or No (the inverted entry is active), and press the control to confirm.

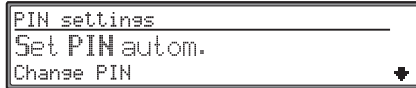
Selecting Yes changes the GSM band.

Selecting No will return to the Telephone Settings menu without change.

PIN Settings



In the Telephone Settings menu, select **PIN settings** with the right rotary control ● and press the control to confirm.



Select

- Set PIN autom. or
- Change PIN

by turning the right rotary control ●. Press to confirm your selection.

- **Set PIN autom.**
 The PIN number can be stored; i.e. you will not have to enter the PIN each time the unit is turned on.
- **Change PIN**
 With this selection, the PIN number can be changed.

Automatically set PIN

Select and confirm **Set PIN autom.**



By turning the right rotary control ● select between **On**, **Off** and **Cancel** (the inverted entry is active) and press the control to confirm. Selecting **On** saves the entered PIN number.

If you select **Off**, any stored PIN number will be deleted and the programme will return to the Telephone Settings.

Selecting **Cancel** will return to the Telephone Settings menu without changing status.

Note:

If **On** is selected and the SIM card (with another PIN) is changed while the unit is turned off, you will be requested to enter the new PIN number. There are only 2 possibilities, however, to enter the correct PIN number.

Change PIN

After selecting **Change PIN**, a request for the current PIN number will appear first.



Enter the number.

Then, you will be requested to enter the new PIN number.



Enter the new number and confirm it by pressing the right rotary control ●.

Note:

The PIN number must be a 4 to 8 digit number.

After confirming the new PIN number, you will be requested to enter the new PIN number once again for confirmation.



Enter the new number once again and confirm entry by pressing the right rotary control ●.

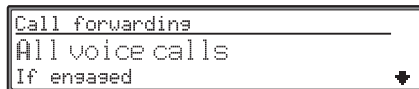
Telephone mode

Call Rerouting

This function directs calls to your mailbox or to another telephone number depending upon settings.



In the Telephone Settings menu, select **Call forwarding** with the right rotary control **0** and press the control to confirm.



Select

- All voice calls,
- If engaged,
- Without call acceptance,
- Unavailable or
- Rest all

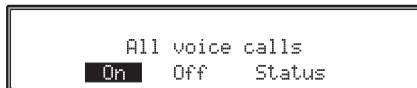
by turning the right rotary control **0**. Press to confirm your selection.

- **All voice calls**
If you select this function, all calls will be rerouted.
- **If engaged**
If you select this function, calls that come in while you are currently on the phone will be rerouted.
- **Without call acceptance**
If you select this feature, calls that come in while the telephone is turned on, but which are not accepted, will be rerouted.
- **Unavailable**

With this selection, all calls will be rerouted when the telephone is turned off.

- **Rest all**
This selection cancels all active call rerouting functions.

For all call rerouting functions, the following display will be shown after selection (for example rerouting of all calls):



By turning the right rotary control **0** select between **On**, **Off** and **Status** (the inverted entry is active) and press the control to confirm.

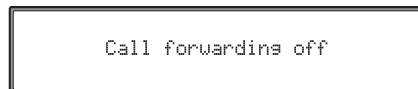
Note:

Call Rerouting is a network-dependent function. Therefore, it is advisable to check the status before making changes by turning call rerouting on or off. Proceed as follows:
Please ensure also that Call Rerouting is stored in the network, not in the unit (for example when SIM card is changed).

Selection Status:

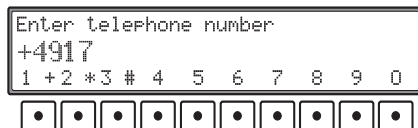
The status of Call Rerouting can be displayed. After selecting **Status**, wait for net response will briefly appear.

Afterward, the current status of Call Rerouting will be shown.



Selection On:

You will be prompted to enter the telephone number to which the calls should be rerouted.

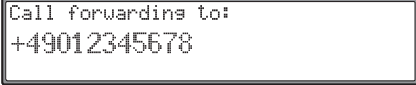


By pressing the multifunction buttons **1+** through **0**, enter the desired telephone number with area code (and international dialling prefix if necessary).

By briefly pressing the right rotary control **0**, the number entered is accepted.

You can also turn the right rotary control **0** to the right. The telephone book will then be called up. You can now select a name or number as described under "Dialling a telephone book entry" on page 131. By briefly pressing the right rotary control **0**, the selected entry is confirmed.

The display will briefly show Wait for net response.



Call forwarding to:
+49012345678

Call Rerouting is now turned on.

Note:

If Call Rerouting was already on, an error message will appear.

Selection Off:

Call Rerouting that may have been on will now be turned off.

The display will briefly show Wait for net response.



Call forwarding off

Call Rerouting is now off.


Note:

If Call Rerouting was already off, an error message will appear.

Selection Reset all:

All Call Rerouting functions can be turned off.

After selecting Reset all the display will briefly show Wait for net response.




Call forwarding off

All Call Rerouting functions are now turned off.

Blocking phone

With this function, the telephone can be turned off.



Call forwarding Block phone →

In the Telephone Settings menu, select Block phone with the right rotary control ● and press the control to confirm.

The telephone will be turned off.

When the telephone is reactivated, the PIN number must be re-entered as described in section "Entering the Telephone PIN" on page 97.

SMS messages

Text messages (SMS) may be received, answered and written. To ensure proper function, the SMS central network number you received from the provider must be entered at "Settings" on page 145.

In order to receive or send messages, telephone operation must be activated.


New Message display

If a new message is received, this is indicated by a blinking SMS in the display. The New Message display works in other operation modes as well (radio, navigation, etc.).




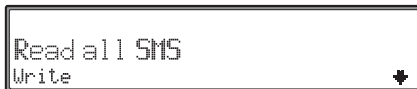
If SMS is displayed without blinking, the memory contains only previously read SMS messages.


Reading messages

Call up the Communications menu by pressing the  button.

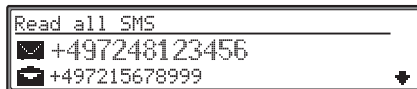



Press multifunction button .




By turning the right rotary control , select Read all SMS and press to confirm.

A list of received SMS messages will be displayed.





Messages that have not yet been read are identified by the symbol .


Messages that have already been read are identified by the symbol .

Note:

If no messages are saved, the display will show <No SMS in memory>. After a short time, the Communication menu appears again.

By turning the right rotary control , select the desired SMS message. By pressing, the text of the SMS message is displayed.


The entire message can be scrolled through by turning the right rotary control .

By pressing the right rotary control , the SMS message will be read aloud.

Note:

SMS messages are only read out in German.

At the end of the message, the date and time sent, the telephone number and name of the sender (if available) are displayed.

By continuing to turn the right rotary control  after the sender information has been displayed, a menu for further processing of the message will be displayed.

Processing messages

Once the sender information has been displayed, continue to turn the right rotary control **⦿** to display a menu for further processing of the message.



Select

- Answer,
- Delete SMS?,
- Read out,

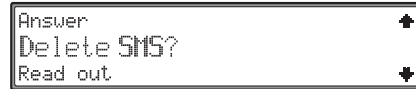
by turning the right rotary control **⦿**, and confirming it by pressing it.

- Answer
You can write and send message to the sender.
- Delete SMS?
Message will be deleted.
- Read out
Message will be read aloud.

Note:

SMS messages are only read out in German.

Delete message



After selecting the menu entry **Delete SMS**, you can delete the current message.



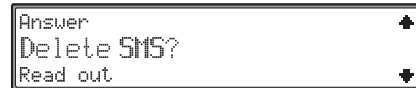
Turning the right rotary controls **⦿**, select either **Yes** or **No**. Press to confirm your selection.

The selection **No** cancels this menu without change.

After confirmation **Yes** the SMS is deleted and the next SMS message is displayed.

If no other messages are available, **<No SMS in memory>** is displayed. After a short time, the Communication menu appears again.

Answer message



After selecting the menu entry **Answer** the Text Entry menu is displayed.



A reply can now be entered as described in "Writing messages" on page 143.

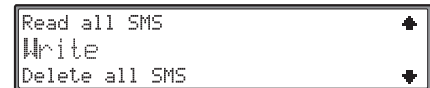
Press and hold the right rotary control **⦿**, to send the entered reply back to the sender.

Writing messages

Call up the Communications menu by pressing the **☎** button.



Press multifunction button **SMS**.



Select **Write** by turning the right rotary control **⦿** and press the control to confirm.



The number to call (with international dialling prefix if necessary) must be entered for the message.

SMS messages

There are two possibilities:

- Enter the number with the multifunction buttons **1+** to **0**. To delete incorrect numbers, turn the right rotary control **●** to the left. To confirm the number entered, briefly press the right rotary control **●**.
- Turn the right rotary control **●** to the right. The telephone book is called up. You can select a number or name from the telephone book as described under "Dialling a telephone book entry" on page 131. Briefly press the right rotary control **●** to confirm the selected entry.

Note:

If the SMS central network number has not been entered, you will be prompted to do so now (see also page 145).



The Text Entry menu is displayed.

You can now enter text. There are two possibilities to do this:

- Selecting letters or characters with the right rotary control **●** and pressing to confirm. The selected letters are displayed inversely.
- Select characters or letters by pushing the multifunction button under the desired character repeatedly; i.e. to select a C, the multifunction button under ABC must be pressed 3 times.

Other entry or formatting possibilities:

- **Upper/Lower-Case Letters**
With multifunction button **a/1+**, you can choose between upper and lower case letters.
- **Special characters/ Numbers**
By pressing multifunction button **3/#**, you can choose between entry of special characters and numbers.
- **Return (New Line)**
Press and hold multifunction button **a/1+**, to get to the next line.
- **Moving the cursor**
Press multifunction button **+*+**. Repeatedly press multifunction button **+*+** to select one of two modes for moving the cursor. Each mode is indicated by a change in the display above the multifunction button.
If **+*+** is displayed above the multifunction button, the cursor can be moved from line to line by turning the right rotary control **●**.
If **+1+** is displayed above the multifunction button, the cursor can be moved left or right in the current line by turning the right rotary control **●**.
Then, the right rotary control **●** must be pressed repeatedly until the multifunction button is displayed as described at the beginning. Text can then be entered once again.

- **Deleting characters**

Characters entered individually can be deleted by briefly pressing multifunction button **←**. By pressing and holding multifunction button **←**, all generated text will be deleted.

By pressing the right rotary control for more than 2 seconds, the written message is confirmed.




By turning the right rotary control **●**, select between Yes, No and Cancel (the inverted entry is active) and press the control to confirm.

Select Yes to send your message. Sending SMS indicates that the SMS is being sent. If the SMS transmission is successful, SMS sent is displayed. Select No to return to the previous menu without sending the message.

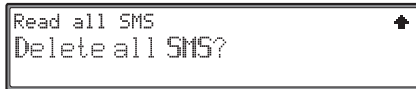
Select Cancel to return to the Text Entry menu and the message can be edited further.


Deleting All Messages

Call up the Communications menu by pressing the  button.




Press multifunction button **SMS**.



Turn the right rotary control , select **Delete all SMS?** and press the control to confirm.




Turn the right rotary control , select either **Yes** or **No** (the inverted entry is active) and press the control to confirm.

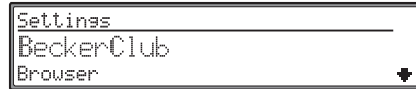
Select **Yes** to delete all existing messages.


Select **No** to return to the previous menu without change.

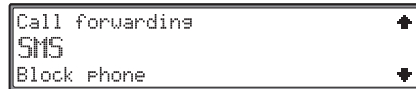
Settings


You can enter the number for the SMS central network in the SMS Settings menu.

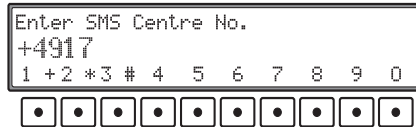
To call up the SMS Settings menu, press the  button in the Communications menu.




With the right rotary control  select **Telephone** and press to confirm.




With the right rotary control  select **SMS** and press to confirm.



Press the multifunction buttons **1+** to **0**, to enter the number for the SMS central network. The number should contain the international dialling prefix.

Numbers already entered can be deleted by turning the right rotary control .

To save the complete number entered, briefly press the right rotary control .

Note:

If no number or an incorrect number is entered for the SMS central network, it will not be possible to send the SMS.

The number for the SMS central network can be obtained from your network provider.

Internet (WAP) Functions

With WAP, you can view current information from the Internet. This information is shown in a specific format, depending upon the display capabilities of the unit.


Note:

Internet access may require registration with a network operator or provider.


We cannot guarantee the accessibility of WAP pages.

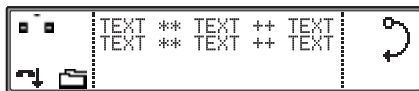
Before the first connection, an access profile must be created or activated. Instructions on how to do this can be found in section "Settings" on page 150.

Calling up WAP menu

Call up the Communications menu by pressing the  key.

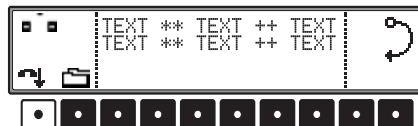



Press multifunction button .



After a short time, the start page specified in the profile ("Settings" on page 150) will be displayed.

Connecting / terminating WAP connection





By pressing the multifunction button , the WAP connection can be terminated at any time.


Navigation in WAP pages

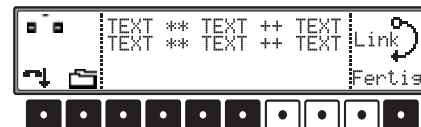
Note:

Navigation in WAP pages can differ from page to page. This depends on the page content and thus the programmer of the page.


The general rules are described below.

By turning the right rotary control , you can scroll through the page content. On the right side of the display, there is a half-circle upon which a small ring moves. This small ring shows your current position on the WAP page, and it changes its position when you turn the right rotary control .

There are 3 different keys, and the pressing of the right rotary control  through which the various functions can be applied, depending upon programming of the WAP page.



If a function is assigned to pressing the right rotary control, the function text will be shown in front of the half-circle in the display. For example, Link or OK can be displayed.

By pressing the right rotary control , this function is then executed.

A function can also be assigned to multifunction buttons 7 - 9.

The function text will be displayed above the corresponding multifunction button.

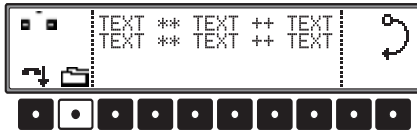
By pressing one of the multifunction buttons, the corresponding function will be executed.


With some WAP pages it may be necessary to enter text. To enter text, proceed as described in "Entering WAP address" on page 147.

Browser Menu

In the Browser Menu, a WAP address can be entered directly, the address entered in the start profile can be called up, favourite pages can be managed and a list of the pages visited can be displayed.

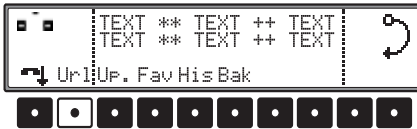
Calling up Browser Menu




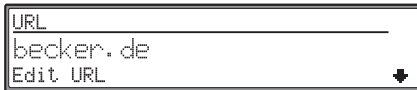
In the active WAP menu, press multifunction button .



Entering WAP address




In the active Browser menu, press multifunction button .



Select from


- the URL entered last,
- Edit URL and
- New URL.

by turning the right rotary control . Press to confirm your selection.








- Last URL
After selecting, the corresponding homepage is opened.
- Edit URL
The last URL can be altered as described below.
- New URL
A new URL can be entered as described below.



A WAP address can now be entered. There are two possibilities:

- Selecting the letter or character with the right rotary control  and pressing afterward. The selected letter will be displayed inversely.
- Select characters or letters by repeatedly pushing the multifunction button under the desired character; i.e. to enter a C, the multifunction button below ABC must be pressed 3 times.

Other entry or formatting possibilities:

- **Upper/ Lower case**
With multifunction button , you can choose between upper and lower case letters.
- **Special characters**
By briefly pressing multifunction button , special characters can be selected.
- **Return (New Line)**
By pressing and holding multifunction button , a line return is made.
- **Moving the cursor**
After pressing multifunction button , the cursor can be moved to any desired position within the entered text by turning the right rotary control . Afterward, the right rotary control  must be pressed. Afterward, text can be entered again.
- **Deleting characters**
Text entered can be deleted by pressing multifunction button .

By pressing the right rotary control for more than 2 seconds, the address entered is confirmed. The WAP Browser then displays the corresponding page.

Internet (WAP) Functions

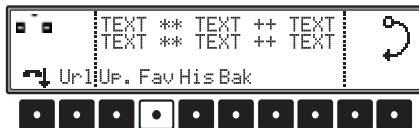
Call up Browser-dependent menu



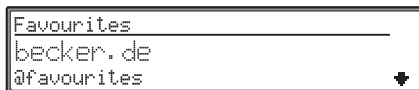
In the active Browser menu, press multifunction button **Up**.

After a short time, the browser-dependent menu will be displayed.

Call up/ Add/ Delete Favourites



In the active Browser menu, press multifunction button **Fav**.



Call up:

By turning the right rotary control **●**, a previously set favourite address can be called up and confirmed by pressing the control. The WAP Browser shows the corresponding page.

Add:

By turning the right rotary control **●** select **Add favourite** and press the control to confirm. A WAP address can now be entered as described under "Entering WAP address" on page 147.

By pressing the right rotary control **●** for more than 2 seconds, the address entered is confirmed. A prompt to enter a name follows. You can choose a name of your own or accept the recommended name. By pressing the right rotary control **●** for more than 2 seconds, the name entered is confirmed and saved to the Favourites list.

Editing:

By turning the right rotary control **●** select **Edit favourite** and press the control to confirm.

A list of the stored favourites will be displayed. By turning the right rotary control **●**, select the Favourite to be edited and press the control to confirm.

The name given when added to the list or the URL of the Favourite can be changed.

Deleting:

By turning the right rotary control **●** select **Delete favourite** and press the control to confirm.

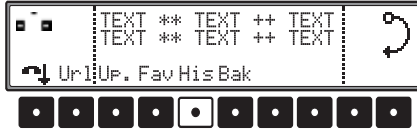
A list of the stored favourites will be displayed. By turning the right rotary control **●**, select the Favourite to be deleted and press the control to confirm.

The address will be deleted from the Favourites list.

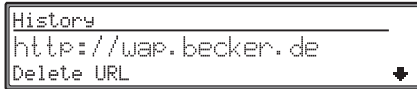
Delete All Favourites:

If you select **Delete all** the complete list of Favourites will be deleted.

Pages visited (History)



In the active Browser menu, press multifunction button **His**.



A list of the last visited WAP addresses will be displayed.

By turning the right rotary control **⬇**, one of the addresses can be selected and confirmed by pressing. The WAP Browser will display the corresponding page.

Saving entry as Favourite:

By turning the right rotary control **⬇**, select **Favorit** **speichern** and press the control to confirm.

A list of the addresses stored in History will be displayed.

By turning the right rotary control **⬇**, select the URL to be saved and press to confirm.

The URL can be saved in the Favourites list under any freely selectable name.

Delete entry:

By turning the right rotary control **⬇**, select **Delete URL** and press the control to confirm.

A list of the addresses stored in the History will be displayed.

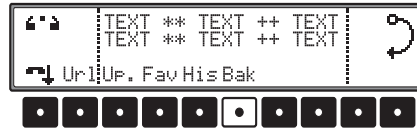
By turning the right rotary control **⬇**, select the URL to be deleted and press the control to confirm. The URL will be deleted from the History list.

Delete list:

By turning the right rotary control **⬇**, select **Delete all** and press the control to confirm.

The complete list of the pages visited will be deleted.

Back to previous page



In the active Browser menu, press multifunction button **Bak**.

The last page visited will be displayed.

@ WAP Favourites

In the WAP Browser, up to 6 keys above the BeckerClub homepage (<http://beckerclub.com>) can also be configured in accordance with your requirements. Each of these keys saves one address (link) of your choice.

For example, you can configure a key so that the current weather or sports news are displayed when called up.

A description of how to configure these keys can be found on the Becker Homepage.

To call up these freely configurable keys, start the WAP Browser.

To do this, call up the Communications menu by pressing the **☒** key.



Press multifunction button **WAP**.



Press one of the multifunction buttons **3** through **8**.

Internet (WAP) Functions

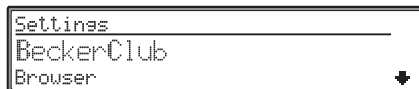


The configurable keys will be displayed for about 5 seconds.

By pressing one of the keys, the WAP page for which the key was configured will be called up.

Call up Configuration

To call up one of the pages configured in the Internet, press the key in the Communications menu.



With the right rotary control select `@WAP configuration` and press the control to confirm.



Using the right rotary control select `Load @ favourites` and press to confirm.

By turning the right rotary control select either `Yes` or `No` (the inverted entry is active) and press to confirm.

If `Yes` is selected, a connection will be made to the Beckerclub Homepage and the configuration for the freely configurable buttons will be saved.

Settings

In the Browser Settings menu, browser-specific settings can be made.

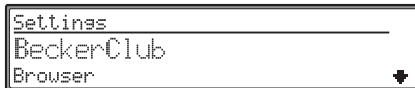
In order to use this unit to access the Internet, you must make a number of settings. OnlinePro will then use these settings to log onto the Internet. These special settings (profiles) differ for each network provider.

OnlinePro is supplied with the profiles for the four largest network providers in Germany already set. Please see "Activating access profile" on page 152 for a description of how to activate them. Please see "Loading Access Profiles" on page 153 for a description of how to load settings for other providers and other countries. You can also obtain these settings from network providers in your own country.

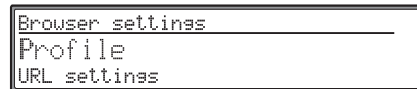
Note:

Not all of the functions described may be supported by the network provider.

To call up the Browser Settings menu, press the key in the Communications menu.



With the right rotary control select `Browser` and press the control to confirm.



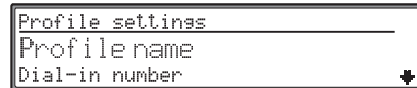
Select

- Profile,
- URL settings or
- Browser start settings

by turning the right rotary control . Selection is confirmed by pressing the control.

Profiles

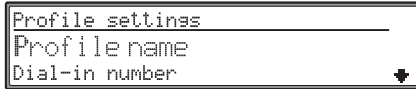
Select `Profile` in the browser settings using the right rotary control and press to confirm. The profile settings are called up.



You can now select either `Create new profile?` or the existing profiles by turning the right rotary control.

Create new profile

To create a new profile, select `Create new profile?` with the right rotary control and press the control to confirm.



For browser-specific settings, select

- Profile name,
- Dial-in number,
- Type of connection,
- User name,
- Password,
- IP address,
- IP port,
- Home page,
- Timer

by turning the right rotary control, and confirm by pressing the control **⬤**.

Note:

Your provider can inform you which entries need to be made for the following menu items.

Profile name:

For the max. ... Access profiles, a name of your choice can be assigned.

With the right rotary control **⬤** select `Profile name` and press the control to confirm. A recommendation will be made. This recommendation can be accepted or rejected by pressing `Yes` or `No`.

If `No` is selected, a name can be entered for the new profile.

By pressing and holding the right rotary control, the name will be accepted.

Login number:

With the right rotary control **⬤** select `Dial-in number` and press the control to confirm.

A recommendation will be made. This recommendation can be accepted or rejected by pressing `Yes` or `No`.

If `No` is selected, a login number can be entered for the new profile.

By pressing and holding the right rotary control, the login number is accepted.

Type of connection:

With the right rotary control **⬤** select `Type of connection` and press the control to confirm.



By turning the right rotary control **⬤**, select the type of connection desired and press the control to confirm.

User name:

With the right rotary control **⬤** select `User name` and press the control to confirm.

A recommendation will be made. This recommendation can be accepted or rejected by pressing `Yes` or `No`.

If `No` is selected, the user name for the new profile can be entered.

By pressing and holding the right rotary control, the user name is accepted.

Password:

With the right rotary control **⬤** select `Password` and press the control to confirm.

A recommendation will be made. This recommendation can be accepted or rejected by pressing `Yes` or `No`.

If `No` is selected, the password for the new profile can be entered.

By pressing and holding the right rotary control, the password is accepted.

Internet (WAP) Functions

IP Address:

With the right rotary control ● select IP ADDRESS and press the control to confirm.

A recommendation will be made. This recommendation can be accepted or rejected by pressing Yes or No.

If No is selected, the IP address for the new profile can be entered.

By pressing and holding the right rotary control, the IP Address is applied.

IP Port:

With the right rotary control ● select IP PORT and press the control to confirm.

A recommendation will be made. This recommendation can be accepted or rejected by pressing Yes or No.

If No is selected, the IP Port for the new profile can be entered.

By pressing and holding the right rotary control, the IP Port is applied.

Start page:

With the right rotary control ● select HOME PAGE and press the control to confirm.

A recommendation will be made. This recommendation can be accepted or rejected by pressing Yes or No.

If No is selected, the start page for the new profile can be selected.

By pressing and holding the right rotary control, the start page is applied.

Time-out:

With the right rotary control ● select TIMER and press the control to confirm.

A recommendation will be made. This recommendation can be accepted or rejected by pressing Yes or No.

If No is selected, the time-out for the new profile can be entered.

By pressing and holding the right rotary control, the time-out will be applied.

Note:

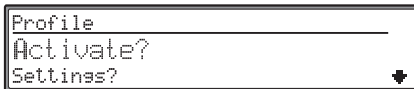
Termination of the connection will occur only if no entry is made within the specified time period.

Saving a profile

Once all the necessary details have been entered, save the profile by pressing and holding the right rotary control ●.

Activating access profile

In the profile settings, select the desired profile with the right rotary control ● and press to confirm.



A screenshot of a mobile device's profile settings menu. The menu is displayed in a rectangular box with a black border. It contains three lines of text: 'Profile' followed by a horizontal line, 'Activate?' followed by a horizontal line, and 'Settings?' followed by a horizontal line. A small downward-pointing arrow is located at the bottom right corner of the menu box.

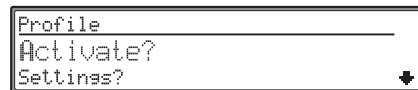
Using the right rotary control, ● select Activate? and press to confirm.

The new profile will be set.

By selecting Settings? using the right rotary control ●, and pressing to confirm, you can change the set values again as described above.

Copying access profile

In the profile settings, select the profile to be copied with the right rotary control ● and press to confirm.



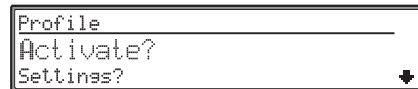
A screenshot of a mobile device's profile settings menu. The menu is displayed in a rectangular box with a black border. It contains three lines of text: 'Profile' followed by a horizontal line, 'Activate?' followed by a horizontal line, and 'Settings?' followed by a horizontal line. A small downward-pointing arrow is located at the bottom right corner of the menu box.

Using the right rotary control, ● select COPY? and press to confirm.

The profile is copied and can be modified as described under "Create new profile" on page 151

Deleting access profile

In the profile settings, select the profile to be deleted with the right rotary control ● and press to confirm.




A screenshot of a mobile device's profile settings menu. The menu is displayed in a rectangular box with a black border. It contains three lines of text: 'Profile' followed by a horizontal line, 'Activate?' followed by a horizontal line, and 'Settings?' followed by a horizontal line. A small downward-pointing arrow is located at the bottom right corner of the menu box.

Using the right rotary control, ● select Delete? and press to confirm.


The new profile will be deleted.

Loading Access Profiles


The default access profile is the one for the German mobile telephone network T-D1. If you do not use T-D1, please see "Create new profile" on page 151 for a description of how to set up a profile for your network provider. You can also upload other access profiles to your unit directly from the BeckerClub:


Call up the Communications menu by pressing the  button.



Press the  multifunction button.

A WAP connection will be made to the BeckerClub homepage.

Select  [BeckerClub] by turning and pressing the right rotary control.

Next, select  [Provisioning] by turning and pressing the right rotary control.

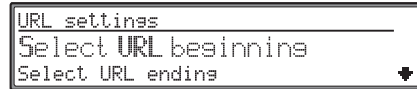
Now follow the instructions on the WAP page.

Profiles can be selected and loaded for different countries.

URL Setting

This is where you set up the information to be called up when entering URLs, to simplify entries.


In the Browser Settings, select URL settings with the right rotary control.




Select

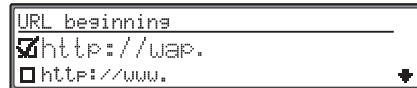
Select URL beginning or

Select URL endings


by turning the right rotary control . Selection is confirmed by pressing the control.

Selecting URL prefix:

By turning the right rotary control , select Select URL beginning and press the control to confirm.




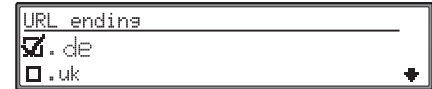
A list of the possible URL prefixes will be displayed.

By turning the right rotary control , select the desired URL prefix and press the control to confirm.


If No is selected, no URL prefix will appear when an URL is entered. You must then enter the prefix yourself.

Selecting URL suffix:

By turning the right rotary control , select Select URL endings and press the control to confirm.



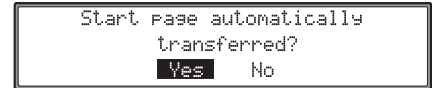
A list of the possible URL suffixes will be displayed.


By turning the right rotary control  select the desired URL suffix and press the control to confirm. If No is selected, no URL suffix will appear when URL is to be entered. You must then enter the suffix yourself.

Specifying browser start settings

When you activate your WAP access function, some network providers will take you to their own Internet pages before the page you have actually selected. You can disable this by activating the "Browser start settings" function.

In the Browser Settings, select Browser start settings with the right rotary control.



By turning the right rotary control  select either Yes or No (the inverted entry is active) and press to confirm.

Internet (WAP) Functions

BeckerClub


Access to the BeckerClub is included when you purchase Online Pro. The BeckerClub provides a number of services which you can use online via OnlinePro. These include "Download @ destinations" (see also page 112) and "Load @ POIs" (see also page 123). Other services are also available.

You can visit the BeckerClub at:
<http://www.beckerclub.com>




You can use the BeckerClub card, which is also included in the scope of supply, to log onto the BeckerClub. The BeckerClub Internet pages contain additional information about the services and a separate operating guide for the BeckerClub.

Accessing the BeckerClub in OnlinePro

Call up the Communications menu by pressing the  button.



Press the  multifunction button.

Receiving E-Mail

Web.de has set up an E-mail mailbox for you. E-Mail can be sent directly to the unit.

In order to send an E-Mail to the unit, the address of the unit must be entered.


The E-Mail address of the unit consists of the Beckerclub User ID-Number (written on the Beckerclub card) and the suffix "@web.de". An example of an E-Mail address would be **7800H011234567@web.de**.

Checking E-Mail


Using the E-Mail function, you can directly call up an existing E-Mail account.

Note:

The page to be called up is set up in the profile (see also page 150).

Call up the Communications menu by pressing the  key.



Press multifunction button .

The start page for the E-Mail account entered in the profile will be called up.


Further operation is dependent upon the E-Mail provider.

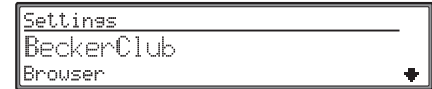
In most cases, you will be prompted for a password and user name.


If you use the mailbox set up for you by WEB.DE, you can change the settings as per "E-mail settings" on page 155.

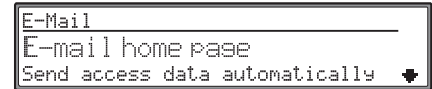
E-mail settings

Special settings can be made to the e-mail function in the E-mail Settings menu.

To call up the E-mail settings Menu within the Communications menu, press the  button.




With the right rotary control  select E-Mail and press to confirm.



Select

E-mail home page,
Send access data automatically?
or
Send access data Manually?,
User name and
Password

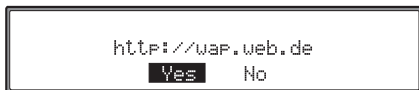
by turning the right rotary control . Selection is confirmed by pressing the control.

E-mail function and other services

E-mail home page

Here, you can set the WAP start page to be used for the e-mail function.

With the right rotary control ● select **E-mail home page** and press to confirm.



A recommendation will be made. This recommendation can be accepted or rejected by pressing **Yes** or **No**.

If **No** is selected, the desired address can then be entered.

Press and hold the right rotary control to accept the address.

Send access data automatically? or

Send access data Manually?

Here you can determine whether your access data should be sent automatically when you check your e-mail.

With the right rotary control ● select **Send access data automatically?** or **Send access data Manually?** and press to confirm.

If **Send access data automatically?** is selected, you must also enter the user name and password as described in the following.

If **Send access data Manually?**, is selected, you must also enter the user name and password manually when logging into the e-mail mailbox.

User name:

Select ● **User name** with the right rotary control and press the control to confirm.

A recommendation will be made. This recommendation can be accepted or rejected by pressing **Yes** or **No**.

If you select **No** you can then enter the user name for your E-Mail mailbox.

Press and hold the right rotary control to accept the user name.

Password:

Select ● **Password** with the right rotary control and press the control to confirm.


A recommendation will be made. This recommendation can be accepted or rejected by pressing **Yes** or **No**.

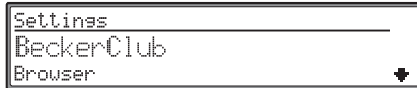
If you select **No**, you can then enter the password for your E-Mail mailbox.


Press and hold the right rotary control to accept the password.

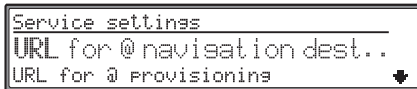
Service settings

In the Service Settings menu, special settings can be made for the services.

To call up the Service Settings menu within the Communications menu, press .




With the right rotary control  select BeckerClub and press to confirm.



Select

- URL for @ navigation destinations,
- URL for @ Provisioning
- URL for @ POI environment,
- URL for @ POI City,
- URL for @ WAP bookmarks or
- Load @ favourites

by turning the right rotary control . Selection is confirmed by pressing the control.

Note:


For a description of Load @ favourites, please refer to "@ WAP Favourites" on page 149.

URL for

Here, you can set the Internet pages from which settings are to be loaded.

Note:

The factory-set addresses should not be changed. You will receive a message in case of any necessary updates.

In the service settings, select URL for @ navigation destinations, URL for @ Provisioning, URL for @ POI environment, URL for @ POI City or URL for @ WAP bookmarks using the right rotary control . Selection is confirmed by pressing the control.



A recommendation will be made. This recommendation can be accepted or rejected by pressing Yes or No.

If you select No, you can then enter the address for the configuration.

Press and hold the right rotary control to accept the address.

Radio mode

Switching on radio mode

Press **M** button.

The last selected waveband is called up.

Turn on Radio Menu Mode

Press **M** in radio mode.



The radio menu mode is activated and displayed. The unit switches back to radio mode if no button is pressed within the next 8 seconds.

Set FM waveband

In the Radio Menu Mode, press multifunction button **Fm**.



The last selected transmitter and level are displayed.

By pressing repeatedly, you can choose between the levels DAS seek quality, DAS seek name, Stations RDS and Stations Fix.

- DAS seek quality (see also page 176).
- DAS seek name (see also page 176)
- Stations RDS (see also page 176)
- Stations fix (see also page 176)

Selecting the AM waveband

In the Radio Menu Mode, press multifunction button **Am**.



The last selected waveband and transmitter are set. To select the MW (Medium wave), LW (Long wave) and SW (Short Wave) wavebands, repeatedly press multifunction button **Am** until the desired waveband is set.

Settings for station selection

The desired station can be selected via dynamic autostore (FM), station search, scan search, manual tuning, and station buttons.

Dynamic Autostore (FM-DAS)

In the Radio Menu Mode, press multifunction button **Fm** repeatedly until DAS seek quality or DAS seek name is displayed.




In FM DAS mode, the receivable stations are displayed via the multifunction buttons depending on the settings.



Set the desired station by pressing the button directly below the abbreviated station designation. If the selected station broadcasts several programmes/regional programmes (e.g. 1, 2, 3, 4), a submenu is automatically displayed to select the desired programme.




Multifunction button  indicates that, by pushing the button, other stations can be displayed and selected.


If station names are being misused to send advertisements or messages, this station is indicated with L_1...L_Z (L = Local) instead of the abbreviated station name. This prevents constant switching in the lower display line. When a station is selected, it is identified by a star (i.e. L*1).

The first time the unit is operated, or when the electrical supply has been interrupted, it may take the radio some time to evaluate the station signals. The display will appear incrementally as the evaluation progresses.


Station search FM - DAS

Turn the right rotary control to the  left or right. The radio displays the receivable and identified transmitters in descending/ascending order.


Station search MW, LW, SW

On the desired waveband (MW, LW, SW) turn the right rotary control  to the left or right. The radio searches for reception frequencies in descending or ascending order, respectively, of frequency.

Scan search

On the desired waveband (FM, MW, LW, SW) press the right rotary control , SCAN will be displayed.




An automatic transmitter search begins. The first run is performed on an insensitive plane, all further runs on a sensitive plane. Receivable stations can be heard for 8 seconds. Press the right rotary control  if the received programme should be retained.

Note:



With FM DAS, Scan Search is conducted in alphabetical order.


Programme filtering for FM DAS

You have the option of filtering various stations from the FM DAS transmitter list.


In the Radio Menu Mode, press multifunction button  **File**.




The individual programmes can be selected using the right rotary control . By pressing the right rotary control , you can choose between **Play** (Programme unfiltered) and **Skif** (Programme filtered out).

To turn the filter function on or off, press the multifunction button  **File** repeatedly to turn the filter function on (**File ON**) or off (**NO File**).

Programme Type selection (PTY)

In the Radio Menu Mode, press multifunction button  **Pty**.



Afterward, select the desired PTY (see also page 176) using multifunction button  **Pty**.

Note:

Only the currently available PTYs may be selected.

If a PTY is selected in FM DAS mode, only the stations with this particular PTY can be selected.

If you select **NO PTY** in FM-DAS mode, all stations will once again be displayed.

Radio mode

Turning PTY display on or off

Select radio menu mode.



With multifunction button **Dis**, select either PTY (PTY Display On) or Frequency (PTY Display Off).

Calling up/ Storing FM stations

In the Radio Menu Mode, select level Stations RDS or Stations fix using multifunction button **Fm**.

- Stations RDS (see also page 176)
- Stations fix (see also page 176)

Storing: 12 frequencies or programmes can be stored per waveband.

To store the desired station or program, press the multifunction buttons **1 - 6** or **7 - 12** until you hear a signal tone.



To reach memory slots 7 – 12, press multifunction button **⇒**.

Request: Press multifunction button **1 - 6** or **7 - 12**. The stored station is requested.

Calling up/storing MW, LW, SW stations

Store: Up to 12 stations can be stored under the station buttons. Search for the desired station and press the desired multifunction button until you hear a signal tone.

To reach memory slots 7 – 12, press multifunction button **⇒**.



Request: press multifunction button **1 - 6** or **7 - 12**. The stored transmitter is requested.

Manual FM tuning

In the Radio Menu Mode, select the level Stations fix with multifunction button **Fm**.



Press multifunction button **Man** twice.

Next, turn the right rotary control **⦿**.

Tuning will take place in increments of 100 kHz.

The display will show that manual tuning is currently active with **MAN**. If the right rotary control **⦿** is not turned after a short time, **MAN** will disappear from the display and manual tuning is turned off.

Manual tuning MW, LW, SW

Press the **Ⓐ** button on the desired waveband.



Press multifunction button **Man** 2 times.

Then turn the right rotary control **⦿**.

Tuning will be in increments of 9kHz (MW), 3kHz (LW) or 5kHz (SW).

The display will show that manual tuning is currently active with **MAN**. If the right rotary control **⦿** is not turned after a short time, **MAN** will disappear from the display and manual tuning is turned off.

Regionalisation

The RDS diversity function is independent of region. In this mode it is possible that, the RDS diversity function may cause the radio to switch between various regional programmes with differing programme formats. In such a case, the special regional programming must be selected directly. If several regional programmes are transmitted by one station, this can only be seen when the station is selected.

Stations with additional regional transmitters are indicated with a star (i.e. 4*).



Upon selection of one of these stations (e.g. 4*), all receivable regional sub-programmes for this station will be displayed.

Afterward, select the desired regional sub-programme (i.e. **Ka**).



If the signal quality of a regional sub-programme drifts despite the RDS Diversity function, it may mean that regional sub-programming is only transmitted on a few frequencies. Therefore, the unit has to switch to fewer frequencies with stronger signals to switch to.

Turning Regionalisation on or off

Select radio menu mode.



Use multifunction button **Res**, to turn Regionalisation on (On) or off (Off).

Turning frequency display on or off

Select radio menu mode.



Use multifunction button **Dis**, to select either Frequency (Frequency display on) or PTY (Frequency display off).

Switching radio text display on / off

Select FM radio menu mode. Press multifunction button **Txt** to switch on the radio text.



The car radio filters data transmitted by the radio station and displays it in the form of radio text.

Radio text cannot be displayed unless the selected station also transmits radio text.

During poor reception situations or interference, the display of the radio text may be garbled or not possible at all.

In order to quit the radio text level, press the **A** button.

Danger
Accident hazard

Since information transmitted via radio text varies constantly, we recommend displaying the radio text only when the vehicle is stationary to avoid unnecessary distraction for the driver. This is a necessary precaution for accident prevention.

Radio mode

Traffic Programme (TP)

If an RDS Diversity station broadcasts TP announcements, it is possible to interrupt CD, MP3, CDC/AUX, MW, LW, SW play or the mute mode and to switch to the TP announcements. Moreover, you can listen to one FM station while receiving TP announcements transmitted by another FM station.

- There are two ways to select a TP transmitter:
 - **automatic tracking**
 - **direct programming**

With the **automatic tracking function**, the FM station currently being listened to is used as the TP station. If the selected FM station has poor signal quality or cannot function as a TP transmitter, the unit applies specified criteria to search for a new TP transmitter.

With **direct programming**, a TP station other than the one being listened to can be programmed. For example, one FM station and TP announcements transmitted by another FM station can be received simultaneously.

If the programmed TP transmitter reception is poor, the unit switches to automatic tracking until the programmed TP transmitter is receivable.

If an RDS station is equipped with traffic programming, this is indicated by TP in the display. An inverse **TP** TP appears on the display to indicate that the traffic programme is active.

Activating/quitting the TP menu

Activating: Press the button **TP** (traffic announcements cannot be transmitted).



Quitting: Press and hold the **TP** button; otherwise, the TP menu will automatically disappear after 8 seconds if no further operations are performed.

Turning TP on or off

Switching on: To turn on TP in the TP Menu, repeatedly press multifunction button **TP** until TP on appears.



Switching off: To turn off TP in the TP Menu, repeatedly press multifunction button **TP** until TP off appears.



TP is switched off after returning to normal display.

Selecting automatic tracking

To turn on automatic tracking in the TP Menu, repeatedly press multifunction button **TP** until TP on appears.



Note:

If a TP transmitter has already been programmed directly, it will once again be selected as the TP transmitter.

Selecting / deleting direct programming

Activate the TP menu.

Selecting: Press multifunction button **Sta**.



Using the right rotary control **➡**, select the desired TP transmitter and press the control to confirm. After a short delay and without actuation, the selected transmitter is accepted.

Deleting: Press multifunction button **Sta**.



Select **Autoselect** with the right rotary control **➡** and press the control to confirm. After a short delay and without actuation, direct programming is deleted.

Quit the TP menu.

Switching mute function on or off

After selection of a TP or EON transmitter, the mute function can be activated by pressing the **TP** button briefly.



Thereafter, only traffic announcements and navigation announcements will be passed through. The mute function is cancelled by pressing the **TP** button again.

Interrupting TP announcements

Briefly press the **TP** button during the TP announcement.

The announcement currently being broadcast will be interrupted and the system will automatically return to the previously selected mode.

TP announcement volume

Activate the TP menu. Press multifunction button **Vol**.



With the right rotary control **➡**, four different settings (0 - +3) can be selected. This means that the volume can be raised to a fixed value according to the setting.

- Setting 0 - no increase
- Setting +1 - slight increase
- Setting +3 - strong increase

Display for TMC stations

If a radio station broadcasts TMC information in addition to radio programming, this is indicated by the abbreviation TMC in the display. TMC information is received and analysed by the navigation system. The reception of traffic announcements is free of charge.




CD, MP3 or CDC operation

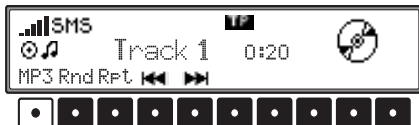
Selecting the audio source

Provided they are available, the following sources

- CD (Title of a CD in the built-in drive)
- MP3 (MP3 Title of a CD in the built-in drive)
- MP3 (MP3 Title of an MMC™)
- CDC (CDs and Title of the CD changer unit) if installed

may be selected.

After pressing  the last selected audio source is set if possible.



By pressing the first multifunction button, the unit will switch to the next audio source. The next selectable audio source is always displayed above the multifunction button.

Basic display for the CD in the built-in drive:



Basic display for an MP3 CD in the built-in drive:



Basic display for an inserted MMC (Multi Media Card):



Basic display for the CD changer:



Operation of the individual audio sources is essentially identical with only a few exceptions. Thus, the basic functions are only described here once. In the example, the audio source CD (CD in built-in drive) is shown.

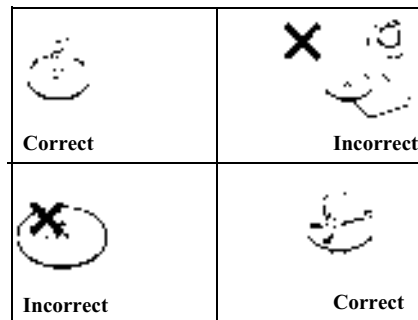
See the following sections for special operating instructions or notes for each of the individual audio sources:

- "MP3 CD in built-in drive" on page 167
- "MMC™ (MultiMediaCard™)" on page 168
- "CD Changer" on page 169

Notes for the Compact Disc (CD)


Sound interruptions may occur if the CD is soiled. In order to ensure the highest tone quality, please note the following:

- Always touch the CD at the edges only. Keep the disc clean and never touch the surface.
- Never stick anything on the CD.
- Protect the CDs against direct sunlight and from heat sources such as heaters etc.
- Before playing the CD, you should clean it with a special, commercially available cleaning cloth, wiping from the centre outwards. Solvents such as petrol, thinners or other commercially available cleaners and anti-static sprays must not be used.




Inserting/Ejecting CDs

Inserting the CD:

Press and briefly hold , the display will fold down and the CD slot becomes visible. Insert the CD into the CD slot with the printed side up. The unit will automatically pull the CD into the unit. Then fold the display up again. The CD will begin to play from the first track.

Once the last track is played, the unit will start playing the CD again from the first track.

Ejecting the CD:

To eject a CD, press and hold the  key or push it twice quickly. The display folds down and the CD is ejected. Remove the CD. Then fold the display up again.

Please note:




When the unit is turned off, the CD will not be ejected, but will remain in the CD slot.



Danger Injury hazard

For safety reasons, the portable panel may not be left open while driving.

Skipping a title forward/backward


Press multifunction button  (forwards) or  (backwards) or turn the right rotary control .




By pressing the multifunction button repeatedly, you can skip several tracks forward or reverse. The unit switches to the first track when the last track has been reached. Analogously, it switches from the first track to the last track.

If a title has been playing for more than 10 seconds when the skip button is pressed, the unit will skip back to the beginning of the current track.



Scan search

Press right rotary control , SCAN will appear in the display.



All following CD tracks are played for 10 seconds each. Press the right rotary control  again to terminate the scan search.


Fast forward/rewind

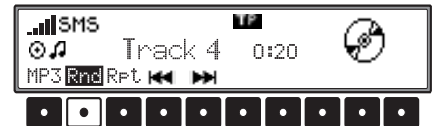
By holding multifunction button  depressed for a longer period of time, the fast forward (audible) is activated. By holding multifunction button  depressed for a longer period of time, the fast rewind (audible) is activated. The search is not audible for the MP3 sources.




Fast forward / rewind terminates when the multifunction button is released.

Random Play

Pressing multifunction button  activates the random play function. Afterward, the titles from the current audio source (with CD changer, only from the current CD) will be played in random order. The prompt Rnd is displayed inversely.



By pressing multifunction button  once again, the "Random Play" function is deleted.

CD, MP3 or CDC operation

Title Repeat

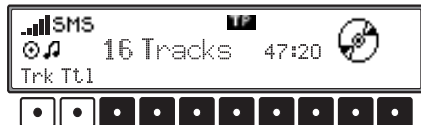
Pressing multifunction button **REPEAT** turns on the "Title Repeat." The prompt **REPEAT** is displayed inversely.



Pressing multifunction button **REPEAT** once again, deactivates the "Title Repeat" function.

Number of tracks and total playing time

Press the **CD** button in CD mode. By pressing multifunction button **TRK**, the total playing time for the current track will be displayed briefly.



By pressing multifunction button **TTL**, the number of tracks and the total playing time for the current CD are displayed briefly.

Note:

In CD-changer mode, the track playing time is displayed after pressing multifunction button **TRK** with CD-changer 7860 only. In other CD-changers 0:00 is displayed as the track playing time.

Temperature protection circuit for CD and MP3 CD

A temperature protection circuit protects the laser diode from excessive heat.

When the protection circuit is activated **TEMP. Fehler** is displayed, and playback is stopped. With an MP3-CD, the system switches to radio or another source.

After a cool down period, single CD operation or CD changer operation may be called up again. If the temperature is still too high, the unit will once again switch back to radio or another audio source.

Notes on CD-R and CD-RWs

CD-Rs (recordable CDs) can be played with this unit. Please comply with legal restrictions. These restrictions can differ from country to country.

Depending upon the recording device used to record the CD-R and/ or the CD-R itself, some CD-Rs may not be playable in this unit.

CD-Rs must be manufactured according to the "Red Book" standard (not applicable for MP3-CD's).

CD-RWs (rewritable CDs) cannot be played with this unit.

Notes on copy-protected CDs

In some cases, the playback of copy-protected CDs may cause problems, such as long reading times or playing is not possible.

MP3 CD in built-in drive

To operate an MP3 CD in the built-in drive, please read the following instructions:

- "Selecting the audio source" on page 164
- "Notes for the Compact Disc (CD)" on page 164
- "Inserting/Ejecting CDs" on page 165
- "Skipping a title forward/backward" on page 165
- "Scan search" on page 165
- "Fast forward/rewind" on page 165
- "Random Play" on page 165
- "Title Repeat" on page 166
- "Number of tracks and total playing time" on page 166
- "Temperature protection circuit for CD and MP3 CD" on page 166
- "Notes on CD-R and CD-RWs" on page 166

General instructions for MP3

The music that can be played in your unit's MP3 mode is generally copyright-protected under applicable international and national laws. In several countries, it is not permitted to reproduce copyrighted material, not even for personal use, without the express prior consent of the copyright holder. Please check the current copyright laws for your country and comply with them. These restrictions naturally do not apply for your own compositions and recordings, or for recordings for which authorization has been obtained from the copyright holder.

Creating an MP3 data medium

- The maximum number of files per medium is 500.
- Only MP3 music files stored on a CD in compliance with ISO 9660 can be played.
- If there are more than 99 files in a directory (e.g. on an MMC), a virtual directory is created for every 99 subsequent files. This means that these files can be accessed by changing directories.
- If the artist's name and track title are to be displayed, an ID3 tag must be added to the MP3 file. This unit supports versions ID3v1 and ID3v2 with a maximum acceptable tag length of 4 KB.
- The display of artist's name and track title is restricted to a total maximum length of 50 characters.

- The MP3 formats MPEG1, MPEG2 and MPEG2.5 Layer3 are supported by the unit. Fixed and variable bit rates of 8 - 320 kbit/s and scan rates of 8-48 kHz are supported.
- We recommend a bit rate of at least 160 kbit/s for compressing MP3 files. It should be noted that with MP3 files having a variable bit rate, the display of the elapsed playing time may deviate from real time.

For further information about creating MP3 files and ID3 tags, please consult your dealer or check on the internet.

CD, MP3 or CDC operation

Notes on playing MP3 CDs

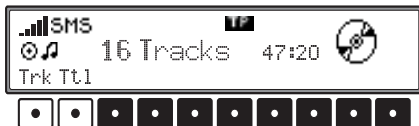
If the files on the MP3 CD are arranged in several folders, the folders will be handled in a manner similar to different CDs in the CD changer.


The individual directories can be selected by pressing multifunction buttons  and . The number shown in front of **Track** indicates the current directory.





Track number, total playing time and track title

Press the  button in MP3 mode.



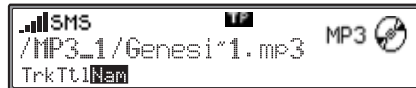
When you press multifunction button , the current track number and the total playing time of the track are displayed briefly.

When you press multifunction button , the track number and total playing time for the current directory are displayed.




After pressing multifunction button , the artist name and track name are displayed in the format “Artist - Name”. However, this is only displayed if an ID3 tag with the corresponding content is provided.



If no ID3 tag or an ID3 tag without the corresponding information is provided, the file name and its path will be displayed in 8.3 format.



Text exceeding the length of the display will be presented as moving text (from right to left). If, during the display of an ID3 tag, the next track is played, the display is automatically updated.

The display of the ID3 tag is retained until, after pressing the , one of the multifunction buttons  or  is pressed.

MMC™ (MultiMediaCard™)

To operate an inserted MMC™, please read the following instructions:

- “Selecting the audio source” on page 164
- “Skipping a title forward/backward” on page 165
- “Scan search” on page 165
- “Fast forward/rewind” on page 165
- “Random Play” on page 165
- “Title Repeat” on page 166
- “Number of tracks and total playing time” on page 166

Which MMC™ can be played?

There are a number of MultiMediaCard™ manufacturers as well as cards of differing storage capacities.

We have tested various cards and manufacturers and could not determine any limitations.

Should any problems be encountered with other manufacturers or new manufacturers, we will post this information on our homepage (<http://becker-club.com>).

Recording to an MMC™

MMCs™ are recorded using special devices. Consult a specialist dealer for more information.

The DOS-FAT process must be used for formatting the MMC™.


We recommend a bit rate of at least 160 kbit/s for compressing MP3 files. It should be noted that with MP3 files having a variable bit rate, the display of the elapsed playing time may deviate from

real time.

Otherwise, the particular features described under "Creating an MP3 data medium" on page 167 apply.

Insertion / removal of a recorded MMC™

Insertion:

Briefly press the  key, the display will fold down.

Remove the display.

The opening for inserting the MMC™ can be found in the lower left corner of the now-visible opening.



Insert the MMC™ into the slot with the printed side up.

The MMC™ will snap into place with a slight click.


Afterward, replace the display and fold it back up. The MMC™ is now ready to play.

Note:

Insert the MMC(tm) only in the slot in the lower left-hand corner intended for this purpose. If the

MMC™ is inserted e.g. in the CD slot, the device may be damaged.

Removal:

Briefly press the  key, the display will fold down.

Remove the display.

Remove the MMC™ by pulling lightly on the card.

Afterward, replace the display and fold it back up.





Danger

Injury hazard

For safety reasons, the portable panel may not be left open while driving.

Notes on playing

If the files on the MMC™ are arranged in several folders, the folders will be handled in a manner similar to that of the CD changer.

The individual directories can be selected by pressing multifunction buttons  and . The number shown in front of Track indicates the current directory.



CD Changer

To operate a CD changer, please read the following instructions:

- "Selecting the audio source" on page 164
- "Notes for the Compact Disc (CD)" on page 164
- "Skipping a title forward/backward" on page 165
- "Scan search" on page 165
- "Fast forward/rewind" on page 165
- "Random Play" on page 165
- "Title Repeat" on page 166
- "Number of tracks and total playing time" on page 166
- "Temperature protection circuit for CD and MP3 CD" on page 166

Operational readiness of CD changer

If a CD changer is connected to the unit, it is ready for operation as soon as the filled CD magazine is loaded. Close the sliding tray after loading. All further control is performed from the car radio control panel.

Loading/ Ejecting the CD Magazine

To remove the CD magazine, open the sliding cover on the changer and press the eject button. The magazine is ejected and can be removed.

When inserting CDs into the magazine, please note the instructions printed on the magazine.

CD, MP3 or CDC operation

Note:

Incorrectly inserted CDs will not be played.



Note:

To allow for the fastest possible changing of CDs, the magazine should be loaded successively, beginning with Compartment 1.

Playing CDs

Activate CD changer mode (see "Selecting the audio source" on page 164).

Playback begins with the last CD played, at the track playing before switching off.

Loaded CDs can be selected by pressing multi-function buttons  and . The magazine compartment number and the number of the current track for the selected CD are then displayed.



If no CD is inserted in the selected magazine compartment (e.g. compartment 2), the next magazine compartment is selected automatically.

Once the last track of a CD has played, the next CD will automatically be selected and played.

Call up / quit User Settings menu

After opening the User Settings menu, the following Basic Settings can be set in three menu levels according to your personal preference.

First level:

- **Gal** - Speed dependent volume control (GAL)
- **Col** - Setting for display colour
- **Lcd** - Display setting
- **Led** - LED setting
- **Lum** - Setting for display brightness
- **M/S** - Setting for reception optimisation

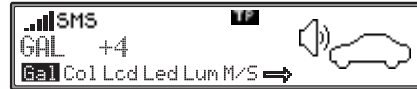
Second level:

- **Aux** - Setting for the AUX input
- **BeV** - Setting for signal tone volume
- **Inc** - Setting for turning direction of rotary control
- **Vol** - Setting for volume display
- **Mic** - Hands-free microphone setting

Third level:

- **Hsv** - Volume setting for optional handset
- **Lim** - Limits the maximum audio volume level
- **Lvl** - Adjusts the digital audio source (CD etc.) volume
- **Rst** - Call up reset function

To call up the User Settings menu, press the **TP** button for more than 2 seconds.



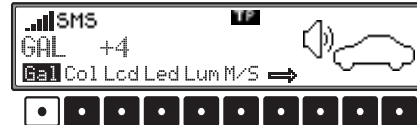
Press multifunction button **⇒** to reach the second and third level of the User Settings menu.

To exit the User Settings menu, press one of the buttons **⊗**, **Ⓜ**, **Ⓝ** or **Ⓟ**.

Setting the GAL (Gal)

The GAL is a control circuit within the car radio which adapts the radio volume to the vehicle speed. This functions as a compensation for driving noises resulting from higher speeds.

Call up the General Settings menu. Press multifunction button **Gal**. With the right rotary control **⦿** select either **0** or **+15**.



With the GAL setting, the amount of volume control can be specified according to vehicle speed.

The setting is stored automatically.

The settings are from:

- **0** - no volume increase
- **+1** - slight volume increase (low noise levels in interior - low-noise vehicle).
- **+15** - high volume increase (high interior noise levels - noisy vehicle).

Display colour setting (Col)

This setting is used to choose between two illumination colours (not available for all models).

To set, call up the General Settings menu. By pressing multifunction button **Col**, select either red or yellow.



The setting is stored automatically.

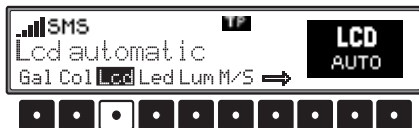
User settings

Display setting (Lcd)

The display setting allows you to select from three different display versions.

- Negative Display Setting (negative)
- Positive Display Setting (positive)
- Automatic Display Setting (Automatic) - this means that the display setting will be positive or negative depending upon the vehicle illumination.

To set, call up the General Settings menu. By pressing multifunction button **Lcd**, select *negative*, *positive* or *automatic*.



The setting is stored automatically.

LED setting (Led)

With this function, the LED function (blinking when the unit is switched off) can be switched on and off.

Call up the General Settings menu. By pressing multifunction button **Led**, select either *blinking* (LED on) or *on* (LED off).



The setting is stored automatically.

Display brightness setting (Lum)

With this function, the display brightness can be set to the preferred value.

To set, call up the General Settings menu. Press multifunction button **Lum**. With the right rotary control **0**, select between 10 and -10.



The setting is stored automatically.

The settings are from:

- 0 - no change in display brightness
- 10 - highest possible display brightness
- -10 - lowest possible display brightness

Setting reception optimisation (M/S)

Two different reception optimisation settings can be selected in order to suppress reception-dependent interference and reflections.

To set, call up the General Settings menu. By pressing multifunction button **M/S**, select *Stereo*, *Mono* or *Auto*.




- **Auto**: Setting for normal operation - i.e. the unit switches from stereo to mono reception and back, depending on the reception conditions (for nearly all reception areas, this is the optimal setting).
- **Stereo**: Setting for exceptional reception conditions - i.e. the unit is constantly set to stereo.
- **Mono**: Setting for reception conditions with constant reflection - i.e. the unit is constantly set to mono.

The setting is effective immediately and is also retained after power is turned off.


Activating AUX/telephone input (Aux)

This can be used to switch on the CD changer AF connections if no CD changer is connected. An external unit (Discman, Walkman, etc.) can then be connected.

In addition, the mute function lead for an external telephone can be activated.

To set, call up the General Settings menu. By pressing multifunction button , call up the 2nd level of the User menu.






Press multifunction button .






Select from

- Ext. phone mute,
- CD changer and
- Ext. audio source


by turning.

Briefly pressing the right rotary control , selects between On () and Off ()

- Ext. phone mute
With this function activated (), an externally connected telephone can switch the active audio source to mute via the mute function lead.




- CD changer
With this function activated (), a CD changer can be connected. The function Ext. audio source is then suppressed in the menu.
- Ext. audio source
With this function activated (), an external unit (Discman, Walkman, etc.) can be connected. The function CD changer is then suppressed in the menu.

The setting is stored automatically.

In CD mode, multifunction button  must be pressed to select AUX mode.

Signal tone volume (BeV)

The volume of signal tones (e.g. storage confirmation) can be set using this function.




To set, call up the General Settings menu. Press multifunction button  to call up the 2nd level of the General Settings menu. Press multifunction button . With the right rotary control  select between Off and +5 (loud).



The setting is stored automatically.

Turning direction of the rotary control (Inc)

With this function, the turning direction of the rotary control can be changed.

To set, call up the General Settings menu. Press multifunction button  to call up the 2nd level of the General Settings menu. Press multifunction button . With the right rotary control  select either Left oriented or Right oriented.






The setting is stored automatically.

User settings

Volume display (Vol)

With this function, the volume display can be turned on or off.




To set, call up the General Settings menu. Press multifunction button  to call up the 2nd level of the General Settings menu. Press multifunction button . With the right rotary control  select either Volume Indic. On or Volume Indic. Off.



The setting is stored automatically.

Hands-free microphone setting (Mic)

With this function, the sensitivity of the hands-free microphone can be set.




To set, call up the User Settings menu. By pressing multifunction button , call up the 2nd level of the User Settings menu. Press multifunction button . With the right rotary control  select between -5 (low sensitivity) and 5 (high sensitivity).



The setting is stored automatically.

Telephone receiver volume setting (HsV)

With this function, the volume of the optional telephone receiver can be set.



To set, call up the General Settings menu. Press multifunction button  to call up the 3rd level of the General Settings menu. Press multifunction button . With the right rotary control  select between 0 (low volume) and 7 (high volume).



The setting is stored automatically.

Limiting the volume level (Lim)

With this function, the maximum volume of the audio signal is limited via a limiter. Overmodulation and distortion are prevented.

To set, call up the General Settings menu. Press multifunction button  to call up the 3rd level of the General Settings menu. By pressing multifunction button , select either Limiter on or Limiter off.






The setting is stored automatically.

Adjusting the volume difference between digital audio sources (Lvl)

Music CDs are produced with differing volume levels. This can lead to extreme differences in volume when switching from radio and e.g. CD modes.

In order to minimise this effect, you can adjust the volume difference between the digital audio sources (CD in built-in drive and MP3) with respect to the radio source volume (does not apply to CD changer).



To set, call up the General Settings menu. Press multifunction button  to call up the 3rd level of the General Settings menu. Press the multifunction button . Use the right rotary control  to select -10 (source quieter) or +10 (source louder).



The setting is stored automatically.

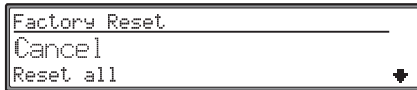
Calling up reset function (Rst)


With this function, the unit can be reset to the factory settings. Parts of the unit can also be reset.

To set, call up the General Settings menu. Press multifunction button  to call up the 3rd level of the General Settings menu. Press multifunction button  twice.



The individual entries for which a reset option is available are displayed.



By turning the right rotary control , the desired entry can be selected from the list.

By pressing the rotary control, the area associated with the corresponding entry is reset. Input data is lost by resetting.

With `User settings` the settings made by the user are reset to the factory settings.

With `Reset all` the entire unit is reset to the factory settings.

Pressing `Cancel` returns to the user menu without any area being reset.

General instructions

RDS SYSTEM

This car radio is capable of receiving RDS signals (RDS = Radio Data System) on the VHF bands. RDS is a technique that enables the transmission of inaudible additional information in the VHF broadcasting range. This means that the broadcaster sends information to be analysed by the auto radio.

DAS seek quality level

At the level `DAS seek quality`, all receivable and identifiable RDS programmes are stored in a list sorted by quality. The dynamic auto-store, search and scan search functions make use of this list.

DAS seek name level

At the level `DAS seek name` all receivable and identifiable RDS programmes are stored in a list sorted alphabetically by name. The dynamic auto-store, search and scan search functions make use of this list.

RDS Stations level

At the level `Stations RDS` only identified RDS stations can be stored. The unit constantly switches to the best receivable transmission frequency for the station.

During search for `Stations RDS` the unit will stop only at identifiable stations.

Stations Fix Level

At the level `Stations fix` frequencies can be assigned to the station buttons. There is no RDS evaluation. The search for `Stations fix` is equivalent to manual FM tuning (Page 160).

PTY (Programme Type)

Specific types of programme s, such as e.g. sports, pop music, classical music etc., can be selected using the PTY function.

The PTY is transmitted by the RDS station, provided this function is installed at the broadcaster. The selected transmitter programme type can be displayed or a search for a specific PTY transmitter can be performed.

Examples of Programme Types:

News	News
Pop M	Pop music
Curr Aff	Politics and current events
Rock M	Rock music
Service	Service programmes
Science	Science
Educ	Education
L class	Light classical music
Dra+Lit	Radio plays and literature
S class	Serious classical music
Culture	Culture, Religion, Society

L music	Musical entertainment
Entert.	Humor
Sport	Sports
Weather	Weather reports
Business	Business/ financial information
Kids	Children's programming
Soc Aff	Social reports
Religion	Religious reports
Phone-in	Interviews
Travel	Travel reports
Leisure	Leisure reports
Jazz	Jazz music
Country	Country music
Oldies	Oldies
Folklore	Folk music
Feature	Documentaries
No PTY	No PTY

E-Mail

Electronic post that can be received or sent via the Internet.

GMT

Greenwich Meridian Time

International time, based on average daylight hours at zero degrees longitude, the basis for the world's time zones.

GPS

Global Positioning System

System for determining a vehicle's location via satellites.

GSM

Global System for Mobile Communication

Standard for mobile communication networks.

MMC™

MultiMediaCard™

Memory card for storing data (i.e. music data, etc).

MP3

Special process for compressing audio data (i.e. music).

PIN

Personal Identification Number

A secret number that must be entered to activate the telephone.

PUK

Pin Unblocking Key

Number required to unblock the telephone in the event that an incorrect PIN is entered 3 times in a row.

SIM Card

Subscriber Identification Module

The card received from your provider containing all relevant data for your telephone service.

SMS

Short Message Service

Service for transmitting short text messages or other information.

TMC

Traffic Message Channel

Traffic messages that are sent via the RDS data (in-audible).

URL

Uniform Resource Locator

Address information required by WAP-service applications in order to connect to a specific service. URLs generally begin with http://. Often referred to as "Internet Address" or "Web Address".

WAP

Wireless Application Protocol

The Wireless Application Protocol was developed to provide Internet access to users of mobile telephones and other compact mobile communications devices. WAP services use the Wireless Markup Language (WML) as the language for displaying content. This is similar to the Hypertext Markup Language (HTML) used in the Internet and World Wide Web (WWW).

Technical Data

- **Wavebands:**
 - FM 87,5 MHz - 108 MHz
 - MW 531 kHz - 1620 kHz
 - LW 153 kHz - 282 kHz
 - SW 5800 kHz - 6250 kHz
- **Frequency range:**
 - 20 Hz - 20 kHz for CD operations
 - 30 Hz - 15 kHz for FM
 - 50 Hz - 2,5 kHz for MW, LW, SW
- **Output :**
 - 4 x 18 Watt
- **Line cross section:**
 - 0,75 mm² min.
- **Loudspeaker impedance:**
 - min. 4 Ω
- **Line out:**
 - 4 x analog Line Out (Va max 3Veff at 10 kΩ)
- **GAL:**
 - in order to utilise the GAL, a square wave voltage with a mass-related amplitude of +4 V to +12 V must be provided by the vehicle's electronic speedometer. Volume is increased in 7 increments of 2.5 dB each.
- **Antenna:**
 - Impedance 50 Ω
- **AUX Input:**
 - 16 KΩ Input resistance, max. input voltage 1,7 Veff
- **Telephone Mute:**
 - Low active level < 2 Volt
- **Supply voltage:**
 - 12 Volt
- **CD Connection:**
 - Becker Silverstone 7860 and Silverstone 2660 CD changers can be connected.
- **Playable CDs:**
 - Only CDs which comply with DIN EN 60908 can be used. The use of 8 cm CDs with adapter is not recommended.

NOTICE

Dear Listener,

In conformance with current EC guidelines, any person may operate this radio receiver.

This unit conforms to the current valid European or harmonised national standards. This designation is your guarantee that the unit conforms to the applicable specifications concerning electromagnetic compatibility. This means that interference with other electrical/electronic devices caused by the unit, or interference with this unit caused by other electrical/electronic devices is largely prevented.

- The EC type-approval mark (e1) issued by the Federal Office for Transport (KBA) in accordance with European Directive 95/54/EC governing the EMC of motor vehicles authorises installation and operation of the unit in motor vehicles (classes M, N and O).
- With regard to the following European standards, the EMC requirements that apply specifically to this unit have been met:
 - EN 55013
 - EN 55020



021894