1 ON/OFF, volume control
2 Theft deterrent light diode
3 Tone control button
4 Wave band indicator, indicator for operating mode
5 Stereo indicator
6 Indication of station abbreviation or digital frequency
7 Cassette slot
8 Cassette eject button
9 Track selection button
10 Wave band button FM/traffic program (TP)

11 Wave band button AM
12 Manual tuning, fast forward/rewind CC
13 Scan tuning radio, CC
14 Automatic station tuning, music search CC
15 Switch-over FM FIX-mode/RDS
16 Indicator for regional program
17 Indicator for traffic radio station
18 Mute switch
19 Station recall buttons
20 Dolby* button

* Dolby and the double-D symbol are trademarks of Dolby
  Laboratories Licensing Corporation

ANTITHEFT SYSTEM

## Entry of Antitheft Code

This radio is fitted with a built-in system designed to help render it inoperative in case of theft. If the radio or battery is disconnected, the radio will be automatically disabled. To indicate this state, the word "CODE", in which the letter "C" flashes, will appear on the radio's display.

To make the radio operable again, the correct five-digit code must be entered into the radio via its numbered station recall buttons 1 through 4.

Example: Code 14342 (a code is preassigned to each radio and supplied to the owner on the attached RADIO CODE CARD). To recode the radio, push the following buttons one after another:

After the first digit has been entered, the word "CODE" will disappear and the first number you have entered will be displayed, followed by four lines. The line under the next place flashes. When all five antitheft code numbers have been correctly entered, the first digit flashes. In this mode you can overwrite the code as often as you want. A correction of one digit is only possible by entering the complete code number. Confirm the correct code by pushing either the TUNE-, the AUTO-, or the SC-button. Radio operation will resume with the station or the frequency stored at push-button 1 (FM/RDS).

CODE

Ⓜ Mercedes-Benz

RADIO CODE CARD

SERIAL NO.	CODE NO.

1 _ _ _ _

1 4 3 4 2

If an incorrect antitheft code has been entered and confirmed, the word "CODE" will appear again. The system allows two more recoding attempts. After the third incorrect attempt, the word "WAIT" is displayed. A period of 10 minutes must pass before recoding can be successful. If the correct antitheft code has not been entered after three separate attempts, the radio will lock for 10 minutes again. After nine incorrect attempts the radio is blocked for 60 minutes. If you enter three incorrect codes after this hour, the radio will be blocked again for 60 minutes etc.

Attention! The radio must be left ON during these waiting periods.

Note: The RADIO CODE CARD and the stickers for the car windows are attached in the cardbox in the cassette slot. To avoid unauthorized usage, do not keep the RADIO CODE CARD in your car!
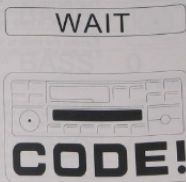
Theft Deterrent Light Diode

The light diode beside the ON-knob is switched on to deter thiefs, i.e. the diode flashes after the car's ignition has been switched off or after the ignition key has been taken out.

Switch off theft deterrent diode: Turn on the radio by pushing the ON-knob and keep it depressed, while pushing the AUTO-bar at the left side within 8 seconds.

Switch on theft deterrent diode: Turn on the radio by pushing the ON-knob and keep it depressed, while pushing the AUTO-bar at the right side within 8 seconds.

29

ON/OFF, Volume

Push the volume control knob to turn on the radio. Pushing the knob again will turn the radio off. If the radio had been turned on before, it may be turned off and on again by the car's ignition.

Turning the knob to the right will increase the volume, turning it to the left will decrease the volume.

Tone

With the tone control button the features **fader, bass, treble**, and **balance** can be called one after another. The bass and treble settings are separately stored for AM, FM, traffic announcements and cassette-operation. Fader and balance settings are stored for all operating modes together.

The respective values are shown on the display (-10 until +10). To change these values, turn the volume control knob within four seconds after having called the desired feature.

Fader (not available on the car model 129)

Press button once. The display shows FAD. Turning the volume control knob to the right will increase output of the front speakers while reducing that of the rear. Turning the volume control knob to the left will increase output of the rear speakers, while reducing that of the front.

Setting the value to "0" will equalize sound output.

> FAD   + 1

> FAD   ▽0△

Bass

Press button twice. The display shows **BASS**.
(If installed in the car model 129, press button once).

| FM | BASS + 1 |

Bass tones are boosted by turning the volume control knob to the right, reduced by turning it to the left.

To bring bass tones to their midrange setting, set the value to "0".

| FM | BASS 0 |

Treble

Press button three times. The display shows **TREB**.
(If installed in the car model 129, press button twice).

| FM | TREB + 1 |

Treble tones are boosted by turning the volume control knob to the right, reduced by turning it to the left.

To bring treble tones to their midrange setting, set the value to "0".

| FM | TREB 0 |

Balance

Press button four times. The display shows **BAL**.
(If installed in the car model 129, press button three times).

| BAL 2▷ |

To shift sound balance to the right speakers, turn the volume control knob to the right. To shift balance to the left speakers, turn the volume control knob to the left.

Balance can be set to the mid-position by setting the value to "0".
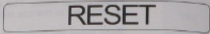
| BAL ◁0▷ |

Mid-position of all sound features in each operating mode

`♩∇r`

Press tone control button for more than two seconds. In each operating mode bass, treble, balance, and fader levels are set to their mid-positions, volume is set to a fixed value. In cassette mode the noise reduction Dolby B is activated. The display shows **RESET** for about two seconds.

RESET

Switching to Radio Reception

| FM TP | According to the last set operating mode, f.e. cassette mode, press one of the wave band buttons to switch to radio reception. |

| FM ST | SWF 3 | TP |

Waveband Selection

| FM TP | Press button. Wavebands FM or FM-TP (traffic program) are alternately selected. |

| FM ST | SWF 3 | TP |

	FM	
	TP traffic program	87.5 ... 108.0 MHz
		87.5 ... 108.0 MHz

| TP ST | SWF 3 | TP |

| AM | Press button. The last set AM frequency is displayed, the station is audible. |

| MW | 1620 |

| | **MW** medium wave | 531........1620 kHz |

RADIO RECEPTION

RDS-System

With this radio it is possible to receive RDS-signals in the FM-band. RDS stands for Radio Data System and is a method of inaudible transmission of additional information in the FM-band. That means transmission of information by the station and its evaluation by the car radio.

AUTO - Best

By an automatic evaluation (AUTO-BEST) the strongest frequency of the actually tuned station is selected out of the offered alternative frequencies. If the reception quality of this frequency diminishes, the radio selects a better one. During this evaluation the radio may mute for a short time. When turning the radio on, when calling a station stored at a station recall button, and during cassette operation the alternative frequencies are automatically evaluated.

Switching to RDS Mode

RDS

To switch to RDS mode, press button. Pressing the button again will switch RDS off. During RDS mode the abbreviated names of all receptible RDS stations are displayed. They are evaluated in AUTO-BEST mode according to the disposable alternative frequencies.

FM ST **SWF 3** TP

FIX Mode (Fixing a Station Frequency)

RDS

To switch to FIX mode, press button. Pressing the button again will switch the FIX mode off. During FIX mode the frequencies of the stations are displayed. Alternative frequencies are not evaluated.

```
FM                          TP
ST        98.4
```

Automatic Station Tuning

Pressing the toggle switch at the right side will cause the radio to lock onto stations tracked in ascending frequencies, pressing it at the left side will track stations in a descending order.

SCAN Tuning

SC

Press button. Automatic station tuning in an ascending order starts in the waveband AM, or in the FM band in FIX mode as well as in RDS and TP mode. During the first sweep, the radio will scan only the strongest signals. During the second sweep, it will scan less powerful signals as well. After having found a receptible station it will play for about eight seconds. Pressing either the scan button, the AUTO- or TUNE-bar will cause the radio to stay tuned to the station being sampled. If no action is taken during the eight-second period, the radio will tune to the next station.

```
FM                          TP
ST       SWF 3             SC
```

Manual Tuning

Press bar at the right side - tuning in ascending station frequency steps.

◁ TUNE ▷

Press bar at the left side - tuning in descending station frequency steps.

The tuning begins with three steps without muting. Then the radio mutes, and the tuning continues with more speed until the bar is released.

The display shows the following tuning steps:

- 100 kHz in the FM band

FM		5
ST	98.4	TP

- 9 kHz in the AM band

MW	1080 9
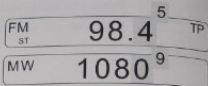
Push-button Memory Tuning

□ 1 .... 4 Using the numbered station recall buttons 1 through 4 you can store

4 stations in FM RDS-mode
4 stations in the FM band (FIX mode)
4 stations in TP-mode
4 stations in the AM band

Example: Store station at push-button 2:

2

- Select waveband and tune in the station you wish to store
- Push and hold the station recall button 2

2

- The radio will display the station currently stored at that number, the station will play for a short time.
- Continue holding the button until this station is deleted from memory and the newly selected station will play and appear on the display with its push-button memory number.
- Release button. The new station will be stored in memory. The station is stored at push-button 2 and will play whenever this button is pressed and as long as the car is in the transmitter range of this station. The number of the push-button will appear on the display.

Note: If a stored station is not receptible, the display will show eight double lines after having pressed the push-button. If you press the push-button again within ten seconds, "SEARCH" will be displayed.

Attention: If the radio was disconnected from power supply, it may take about two minutes after having reconnected - according to the number of receptible stations at the actual position of the car - until the station frequencies will be stored and the RDS mode will be possible. The same will happen in tunnels or underground garages during cassette operation. During this period you cannot use the station recall buttons in the RDS mode.

| FM2 | SWF 3 | TP |
| ST | | |

| FM | . . . . |
| FM2 | SEARCH | TP |

Regional Mode

If the chosen station emits regional programs within its program service, the display will show an additional regional code. The letters "RP" mean, that the selected station emits regional programs, too. In this case the RDS function is limited to the selected regional program.

| FM | S4 BW KA | RP |
| ST | | |

Switch On Regional Mode

RDS

Press RDS button for more than two seconds, until "RP ON" will be displayed. If "RP OFF" is displayed, press the RDS button another second, until "RP OFF" changes to "RP ON". After four seconds the display will show the original mode again.

| FM | RP ON | TP |
| ST | | rp |

Switch Off Regional Mode

RDS

Press RDS button for more than two seconds. The display will show the actual mode, i.e. "RP ON".
To switch off the regional mode, press the RDS button another second, until "RP ON" changes to "RP OFF". After four seconds the display will show the original mode again, but the station's code and "RP" will be furthermore displayed.
The RDS AUTO-BEST functions over-regionally. In this mode switching-over between different regional programs may occur. In this case switch to regional or FIX mode again.

| FM | RP OFF | TP |
| ST | | rp |

Traffic Program

As soon as a station is set, that emits traffic announcements during its program, "TP" (traffic program) is displayed.
You can use the traffic radio system only in the wavebands FM or TP. The display will show "TP" or "FM" at its left side. When starting the automatic program tuning in the TP waveband, only traffic radio stations are tuned.

| TP | S4 BW KA | TP |
| ST | | |

During a traffic announcement you can set bass and treble values indi-vidually. These values are stored for all following announcements. The volume does not increase during traffic announcements.
During cassette operation the active traffic radio system is shown in the display by "TP" in white letters.

`TP ST` **S4 BW KA** `TP`

Traffic Program Waveband Selection

`FM TP`

Switch to RDS mode by pressing the RDS button. Then press the FM.TP button until the display will show "TP" on its left side.
The TP waveband is left by pressing either the RDS-, AM-, FM.TP- or CC-button.

`TP ST` **S4 BW KA** `TP`

Automatic Program Tuning / Station Recall Buttons

During the automatic program tuning in the TP waveband only traffic radio stations are tuned. A SCAN tuning is also possible in this wave band.
In the TP waveband four FM-stations can be stored at the station recall buttons as described under "Push-button Memory Tuning".

`TP2 ST` **S4 BW KA** `TP`

Muting ON/OFF

If you press this button, the muting is switched on in all FM modes. The radio is in stand-by mode for traffic program, that means only traffic announcements are audible. The traffic radio station is displayed during the muting.

`FM ST` **S4 BW KA** `TP`

If no traffic radio station is set when pressing the mute switch, the radio cannot be muted.

FM
ST 104.8

If you leave the range of the set traffic radio station, another traffic radio station will be automatically selected. If no other traffic radio station can be found, the muting will be cancelled within the next three minutes, that means the last set operating mode will resume. The "TP"-indicator will disappear.

If the radio has been turned off during the muting, the tuned traffic radio station plays when turning on the radio again. After twenty seconds the radio will mute again.

The muting can be cancelled by pressing the mute switch again.

Traffic Announcement

Pressing the mute switch while a traffic information is announced interrupts this message. The last tuned station or cassette will play, or the radio will mute again. In any case the next traffic announcement will be audible.

Warning Alarm (RDS Service PTY 31)

By means of the RDS system the radio may substitute the current program - no matter which station is tuned to - by special warning messages in case of emergency, active traffic program provided. The display will show "ALARM". For these messages cassette replay is interrupted, too.

ALARM

Muting during Car Telephone Calls

If your car is equipped with a telephone and if the mute line is connected, the tuner and the cassette player will automatically mute during telephone calls. During this period you cannot operate the radio, the display will show "PHONE".

PHONE

Playing of Cassettes

To play a cassette, slide it into the cassette slot until it rests and slightly tap it. The cassette will then be drawn automatically into the deck. The unit automatically switches from radio to cassette playback. The playback will begin with track one, this is the cassette side looking up. The display will show the mode "CC" and "TRACK 1".

1·2 CC

CC TRACK 1

The tape sort will automatically be recognized and evaluated by the cassette player.

Once a cassette has been drawn-in, it will be in stand-by mode, even if the radio is turned off or if another operation mode is selected. If a tape has already been loaded, press the CC-button to start cassette replay. If there is no cassette in the slot, the display will indicate "NO CC".

Track Selection

1·2 CC

CC TRACK 2

At the conclusion of the first side's play, the auto-reverse mechanism will automatically begin playing the other side of the tape. The track selection button can be used to switch to the tape's other side at any place. The radio's display will always indicate the current track being played.

Forward/Reverse Music Search

Press bar at the right side. The cassette tape is advanced to the next selection.

CC MS FF

Press bar at the left side. The current cassette selection is repeated. The beginning of a selection can only be located if there is a blank of **more than four seconds.**

CC MS REW

To stop the music search press the SC-button, the AUTO- or the TUNE-bar.

Fast Forward/Rewind

Press bar at the right side. Fast forward of the tape is started.

| CC	FF

Press bar at the left side. Fast rewind of the tape is started.

CC	REW

If the end or the beginning of the tape is reached, the track will be automatically reversed, cassette replay will start. Pressing the TUNE- or AUTO-bar, or the SC-button during fast forward/rewind will stop the function, before the end or the beginning of the tape is reached. Cassette replay will start.
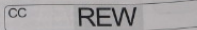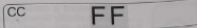
Scan Search

The SC-button allows sampling of cassette selections (only forward) for approximately eight seconds. Pressing the SC-button a second time, or pressing the AUTO- or TUNE-bar, will stop the scan search.

CC	MS FF	sc
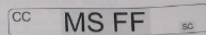
Dolby B

This function reduces background hiss while playing a cassette that was recorded using the Dolby noise reduction system. To activate this function press the button. The Dolby symbol is displayed.
To replay cassettes without the Dolby system, press the button again. The Dolby indication disappears.

CC B	TRACK 2
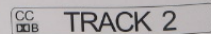
Cassette Eject

To remove a cassette, press the eject button until the tape automatically disengages and can then be retrieved from the cassette slot. Ejecting a cassette switches the system to radio operation. The ejection is even possible when the radio is switched off or blocked in the CODE-state. **Attention!** When turning off the radio, the cassette is not ejected, but remains in the slot.

Care and maintenance, CLEAN indicator

The reproduction quality of cassettes gradually diminishes as dust deposits at the head are unavoidable.
After approximately thirty hours of cassette operation, "CLEAN" will be displayed for ten seconds, and a peep will be audible for one second. In this case you should clean the cassette player using a cleaning cassette suitable for reverse operation. Remove the cleaning cassette after thirty seconds.

CC   CLEAN
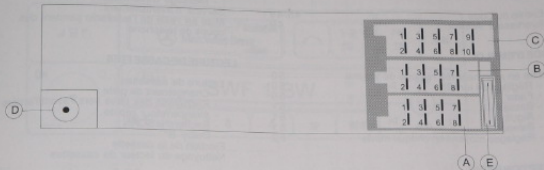
(A) -1 Speed dependent volume control
-2 not seized
-3 Muting during car telephone calls
-4 Permanent plus (terminal 30)
-5 Control output for automatic antenna
-6 Lighting (terminal 58)
-7 Switched plus (terminal 15)
-8 Chassis (terminal 31)

(B) -1 Loudspeaker rear right +
-2 Loudspeaker rear right -
-3 Loudspeaker front right +
-4 Loudspeaker front right -
-5 Loudspeaker front left +
-6 Loudspeaker front left -
-7 Loudspeaker rear left +
-8 Loudspeaker rear left -

(C) Service socket
(D) Antenna socket
(E) Fuse

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