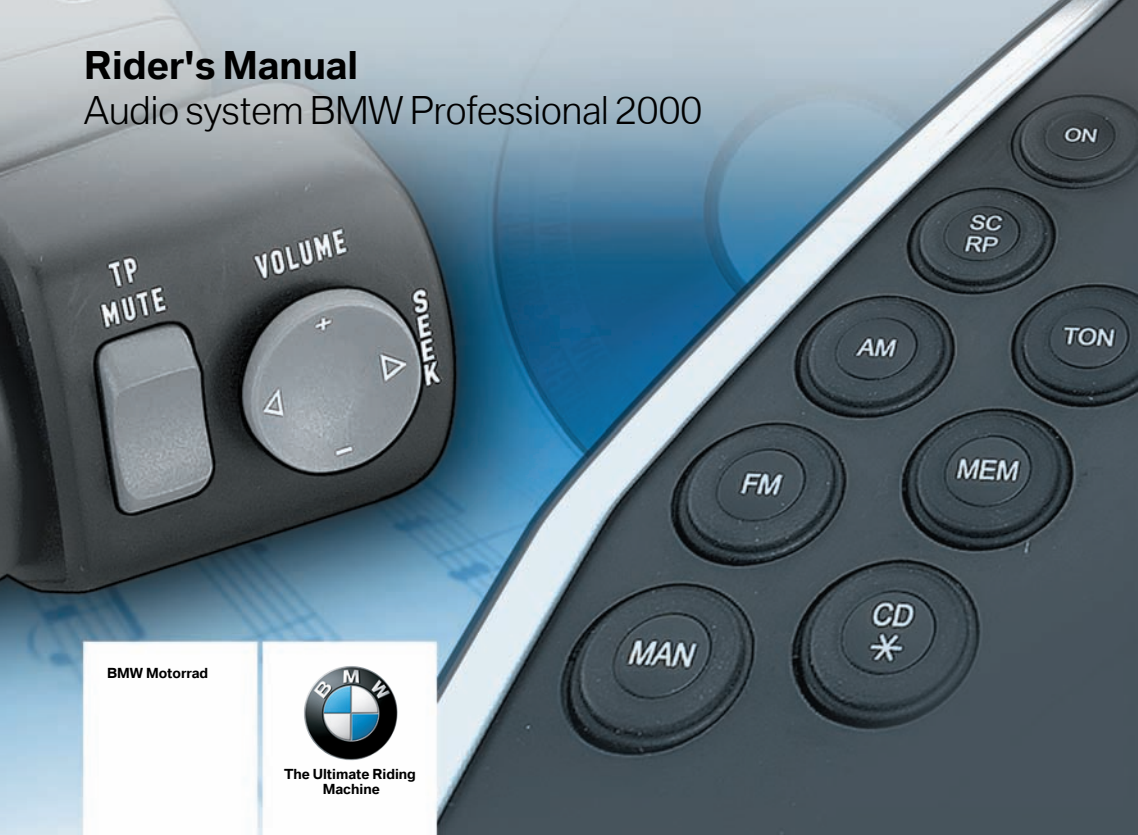
Rider's Manual

Audio system BMW Professional 2000



BMW Motorrad

The Ultimate Riding Machine

Motorcycle data/dealership details

Motorcycle data

Model

Vehicle identification number

Colour code

Date of first registration

Registration number

Dealership details

Person to contact in Service department

Ms/Mr

Phone number

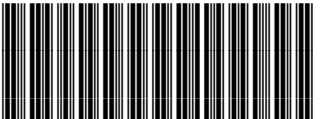
Dealership address/phone number (company stamp)

Details described or illustrated in this booklet may differ from the motorcycle's actual specification as purchased, the accessories fitted or the national-market specification. No claims will be entertained as a result of such discrepancies.
Dimensions, weights, fuel consumption and performance data are quoted to the customary tolerances.
The right to modify designs, equipment and accessories is reserved.
Errors and omissions excepted.

© 2007 BMW Motorrad
Not to be reproduced either wholly or in part without written permission from BMW Motorrad, After Sales.
Printed in Germany.

BMW recommends Castrol

Order No. 01 41 7 706 851
05.2007, 2nd edition



Welcome to BMW

We congratulate you on your choice of a BMW Professional 2000 audio system. Familiarise yourself with the controls before you take to the road, so that you will be able to operate the system safely in traffic.
These instructions for use contain the information you need, so please study them carefully.
If you have questions concerning this audio system, your authorised BMW Motorrad dealer will gladly provide advice and assistance.
We hope that you will enjoy using your BMW Professional 2000 audio system and that all your journeys will be pleasant and safe.

BMW Motorrad.

Table of Contents

You can also consult the index at the end of this Rider's Manual if you want to find a particular topic or item of information.

1 General instructions 3
Overview 4
Abbreviations and symbols 4
Technical data 4
Currency 4

2 General views 5
Overall view 6
Operating panel 7
Handlebar satellite..... 8
Multifunction display 9
Audio system in lockable compartment..... 10

3 General operation 11
Switching on audio system 12
Switching off audio system 12
Selecting an operating mode..... 12
Volume..... 13
Sound settings 14

4 Radio 19
Switching on radio 20
Wavebands..... 20
Station search..... 22
Station memory 23
Traffic channel 25

5 CD player..... 27
Safety instructions 28
Switching on CD player 28
Inserting CD..... 29
Ejecting CD 29
Selecting track 29
Scanning CD 30
Fast-backing or fast-forwarding tracks..... 30
Selecting tracks by random play 30

6 External audio devices 31
Requirements 32
Connecting audio device 32
Options for adjusting the input signal..... 33
Adjusting input-signal level 33
Volume..... 33

7 Technical data 35
Indicators and what they mean..... 36
Technical data for radio 38
Technical data for external audio devices 39

General instructions

Overview 4
Abbreviations and symbols 4
Technical data 4
Currency 4

Overview

An important aspect of this Rider's Manual is that it can be used as for quick reference. Consulting the extensive index at the end of this Rider's Manual is the fastest and easiest way to locate a particular topic or item of information.
When the time comes to sell your BMW, please remember to hand over this Rider's Manual; it is an important part of the motorcycle.

Abbreviations and symbols

Indicates warnings that you must comply with for reasons of your safety and the safety of others, and to protect your motorcycle against damage.

Specific instructions on how to operate, control, adjust or look after items of equipment on the motorcycle.

◀ Indicates the end of an item of information.

• Instruction.

» Result of an activity.

Reference to a page with more detailed information.

◁ Indicates the end of a passage relating to specific accessories or items of equipment.

Tightening torque.

Item of technical data.

Technical data

All dimensions, weights and power ratings stated in the Rider's Manual are quoted to the standards and comply with the tolerance requirements of the Deutsche Institut für Normung e.V. Versions for individual countries may differ.

Currency

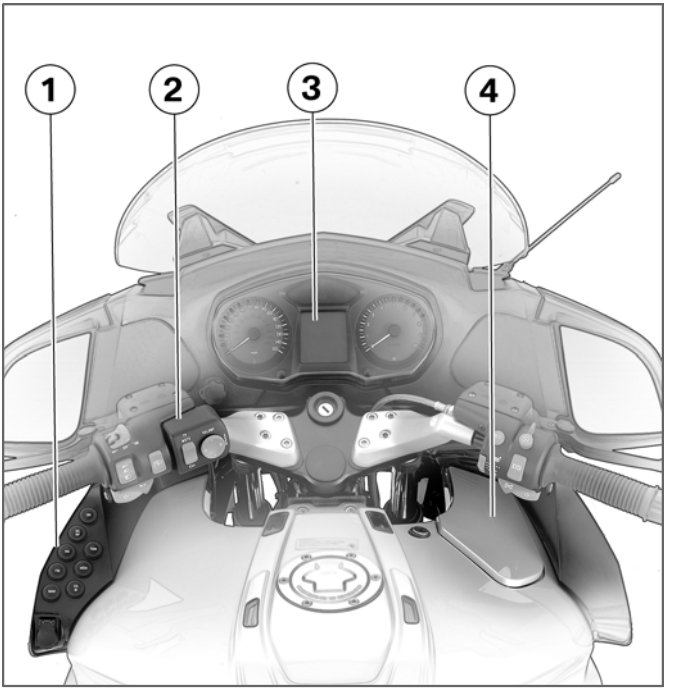
The high safety and quality standards of BMW motorcycles are maintained by constant development work on designs, equipment and accessories. Because of this, your motorcycle may differ from the information supplied in the Rider's Manual. Nor can BMW Motorrad entirely rule out errors and omissions. We hope you will appreciate that no claims can be entertained on the basis of the data, illustrations or descriptions in this manual.

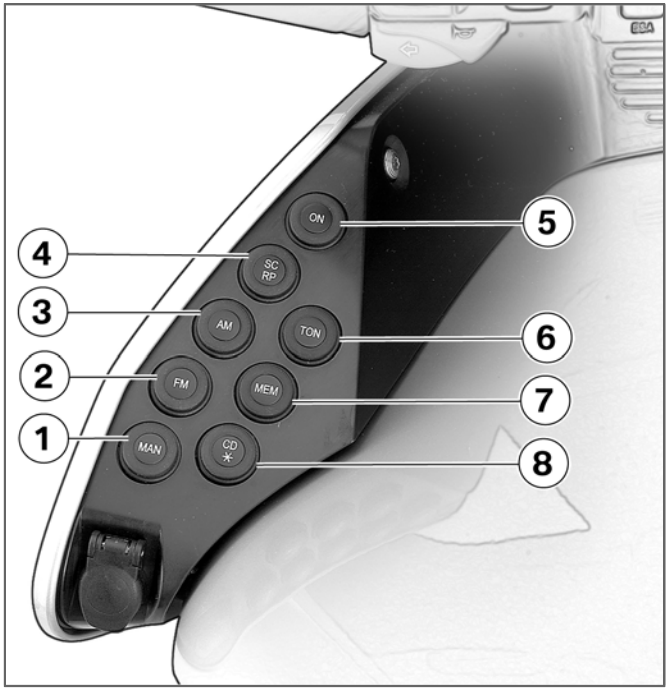
General views

Overall view 6
Operating panel 7
Handlebar satellite 8
Multifunction display 9
Audio system in lockable compartment 10

Overall view

1 Operating panel (➠ 7)
2 Handlebar satellite (➠ 8)
3 Multifunction display (➠ 9)
4 Audio system in lockable compartment (➠ 10)





Operating panel

1 Station search, manual (➠ 22)
Fast-back or fast-forward the tracks (➠ 30)

2 Select the FM range (➠ 20)

3 Select the AM range (➠ 21)

4 Scan the waveband (➠ 23)
Scan the CD (➠ 30)
Select tracks by random play (➠ 30)

5 Switch on the audio system (➠ 12)
Switch off the audio system (➠ 12)

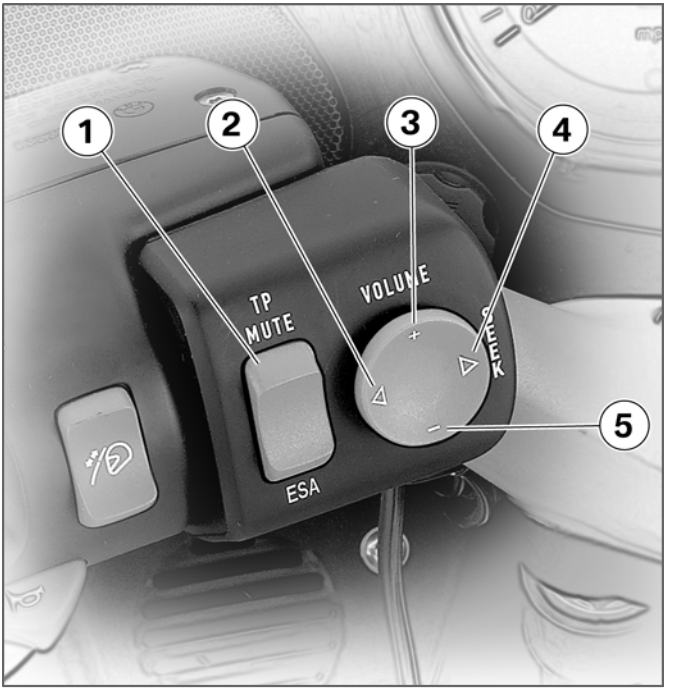
6 Sound settings (➠ 14)

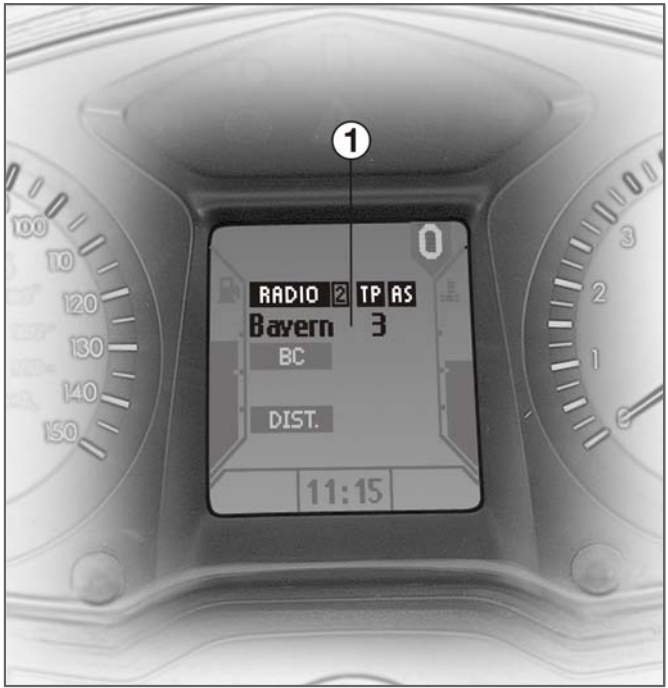
7 Station save, manual (➠ 23)

8 Select an operating mode (➠ 12)

Handlebar satellite

1 Activate the traffic-programme function (➠ 25)
Lower the volume to zero (MUTE) (➠ 13)
2 Selecting previous station or track (➠ 22) (➠ 29)
3 Increasing volume (➠ 13)
4 Selecting next station or track (➠ 22) (➠ 29)
5 Reducing volume (➠ 13)



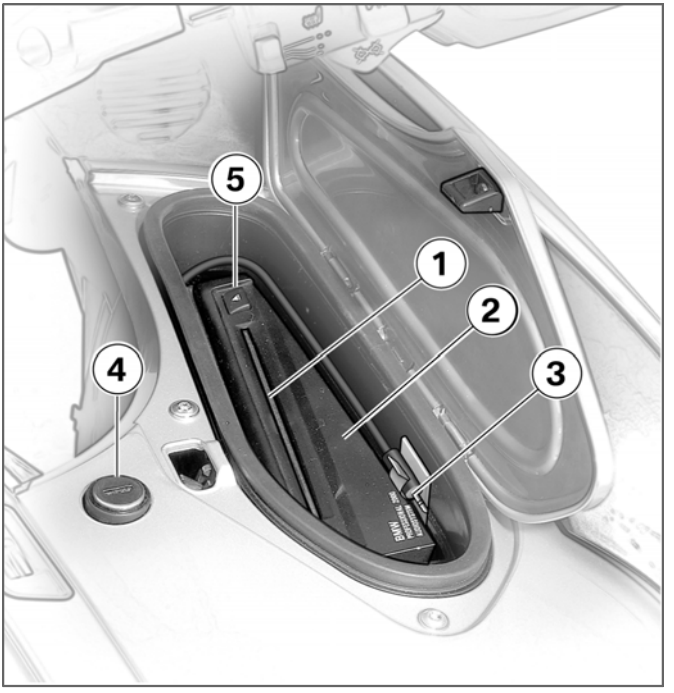


Multifunction display

1 Panel for the audio system's status indicators

Audio system in lockable compartment

1 CD slot (➠ 29)
2 Audio system with CD player
3 Plug for external audio devices (➠ 32)
4 Lock (see Rider's Manual)
5 CD eject button (➠ 29)



General operation

Switching on audio system 12
Switching off audio system 12
Selecting an operating mode 12
Volume 13
Sound settings 14

Switching on audio system

- Switch on the ignition.

» If the audio system was on when the ignition was switched off, it automatically switches on again.

- If the audio system does not switch on automatically: press the ON button.

» Audio system is in the most recently used operating mode.

- To switch on the audio system with the ignition switched off: press the ON button immediately after switching off the ignition.

If the on-board electronics ascertain that the battery is too weak, the audio system is shut down even though the ignition is switched on. Under these circumstances you can switch the audio system on again as soon as the battery has been recharged or the engine is running.◀

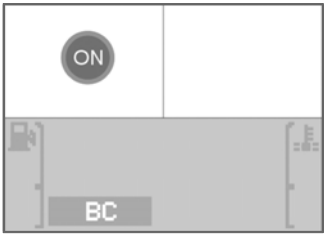
» The audio system remains ON for approximately 20, then automatically switches itself off. If you want to reactivate the system after it switches off automatically you must switch on the ignition.

Switching off audio system

- Switch off the ignition.

» Audio system switched off.

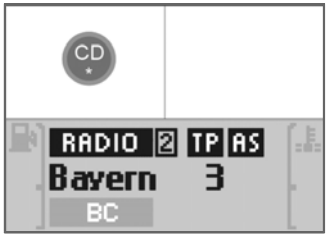
» Indicator to show that the audio system is switched off.



- To switch on the audio system with the ignition switched on: press the ON button.

Selecting an operating mode

- Switch on the audio system (➠ 12)



- Repeatedly press the CD/* button to step through the sequence to the operating mode you want.

▷ You can switch from the CD or AUX operating mode directly to radio mode by pressing either the FM button or the AM button. Pressing the CD/* button is the only way of exiting the INTERCOM mode.◀

» The operating modes are stepped through in the following sequence:

– Radio
– CD player
– AUX: External device, such as an MP3 player
– INTERCOM: Standby mode fort an intercom system, no radio mode selected

Volume

Adjusting volume

- Press button **3**.

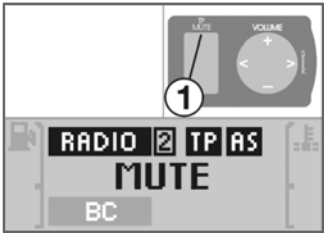
▷ If the display shows SPEAKER when you press the volume-control buttons, the speakers are off.◀

» Volume increases.

- Press button **5**.

» Volume decreases.

Lowering volume to zero (MUTE)

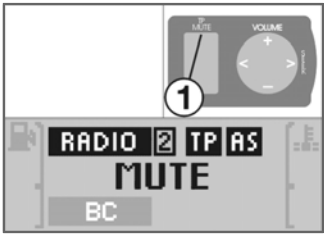


- Press button **1**.

» The word MUTE appears briefly on the display.

» Volume is reduced by 20 dB.

Cancelling MUTE

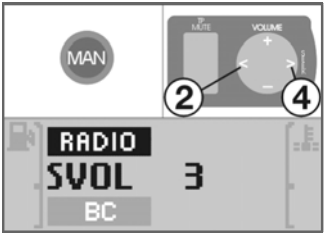


- Press button **1**.
» Volume returns to normal.
- Adjust the volume (➠ 13)
» Volume returns to normal.

Volume and speed

The audio system can automatically adapt the playback volume to the speed. To achieve this, one of four possible adaptation curves must be selected.

Adapting volume to speed



- Press and hold down the MAN button until the reading on the display changes.
- Press buttons **2** and **4** to select a volume range.
» SVOL OFF: Speed-dependent volume increase switched off
» SVOL 1: Minimum speed-dependent volume increase
» SVOL 4: Maximum speed-dependent volume increase
» The current range is automatically accepted as your desired setting if you wait a certain length of time without pushing a button.

Sound settings

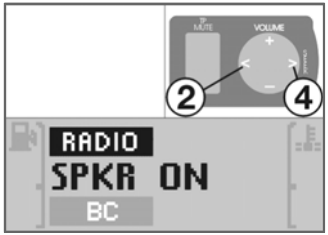
Selecting tone settings

- Repeatedly press the TON button to step through the sequence to the setting you want.
» The system steps through the various settings in the following sequence:
– Speakers ON/OFF
– Bass
– Treble
– Front/rear fade

– Left/right balance
– Sound curve (loudness) ON/ OFF

» The tone menu closes and the new settings are accepted if you wait a certain period of time without pressing a button or if you press a different button on the operating panel.

Switching speakers on or off

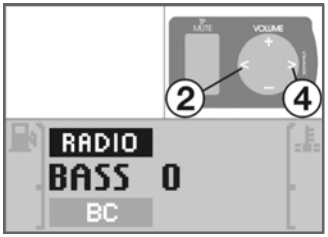


• Press button **2** or **4**.

» SPKR ON: Speakers on.

» SPKR OFF: Speakers off.

Adjusting bass setting

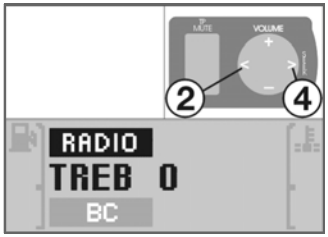


• Press buttons **2** and **4** to adjust the bass setting.

The display shows BASS and the level you have selected.

– Gain: 1 .. 6
– Default setting: 0
– Attenuation: 1 .. 6

Adjusting treble setting

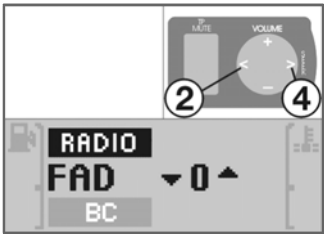


• Press buttons **2** and **4** to adjust the treble setting.

The display shows TREB and the level you have selected.

– Gain: 1 .. 6
– Default setting: 0
– Attenuation: 1 .. 6

Adjusting front/rear volume fade setting

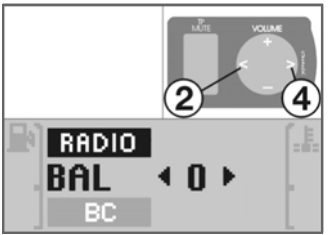


- If the motorcycle is fitted with rear speakers, press buttons **2** and **4** to adjust the front/rear volume fade setting.

The display shows FAD, the direction of the change, and the level you have selected.

– Move fader forward: 1 .. 10
– Default setting: 0
– Move fader to rear: 1 .. 10

Adjusting left/right volume balance setting

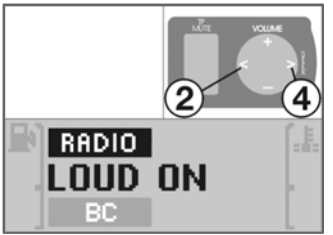


- If the motorcycle is fitted with rear speakers, press buttons **2** and **4** to adjust the left/right volume balance setting.

The display shows BAL, the direction of the change, and the level you have selected.

– Shift balance toward left: 1 .. 10
– Default setting: 0
– Shift balance toward right: 1 .. 10

Switching sound curve (loudness) on/off



- Press buttons **2** and **4** to switch the sound curve (loudness) on or off.

» LOUD ON: Sound curve (loudness) switched on.
» LOUD OFF: Sound curve (loudness) switched off.

Resetting parameters to defaults

- Press and hold down the TON button until the reading on the display changes.

» The words TONE LIN appear briefly on the display.

» All tone parameters (bass, treble, front/rear fade and left/right balance) reset to their defaults.

Radio

Switching on radio 20
Wavebands 20
Station search 22
Station memory..... 23
Traffic channel..... 25

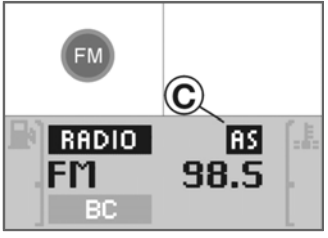
Switching on radio

Switching on radio

- Switch on the audio system (➠ 12)
- Select an operating mode (➠ 12)

Wavebands

Selecting FM range



- Press the FM button.

The FM-AS band is used for saving stations automatically. In the FM band stations have to be saved manually.◄

» Each time you press the button the system toggles between FM and FM-Autostore (FM-AS).
» When the radio is in the FM-AS wavelength range the display shows AS **C**.

Radio Data System (RDS)

Some stations broadcasting in the FM waveband transmit additional information, including programme names.

Switching RDS function on or off

- Repeatedly press the FM button until the reading on the display changes.

» RDS ON: RDS function switched on.
» RDS OFF: RDS function switched off.

If RDS is active, the name of the RDS station to which the receiver is tuned appears on the display. If the station name is not included in the broadcast RDS information, the display shows RDS and the current frequency.

Regional broadcasts

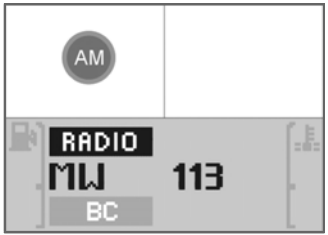
At certain times of the day, some stations in the FM waveband broadcast regional programmes that can be received only in specific regions within the broadcast footprint. The radio's REG function has to be activated in order for it to receive these regional programmes.

After you switch on in the 'Radio' operating mode or when you first select the 'Radio' operating mode after switching on, you have only a certain limited time in which you can activate or deactivate the REG function.

Switching REG function on or off

- Switch on the radio.
» The status of the REG function appears briefly on the display.
- Press the FM button to toggle the REG function on or off.
» REG ON: REG function switched on.
» REG OFF: REG function switched off.

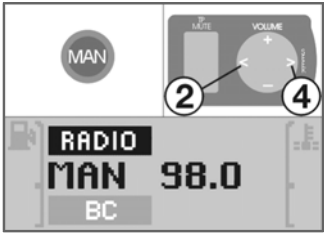
Selecting AM range



- Press the AM button.
» Each time you press the button the system cycles between the MW, LW and SW wavebands.

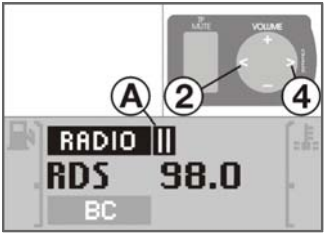
Station search

Station search, manual



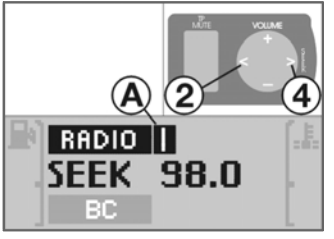
- Press the MAN button.
» The display shows MAN and the current frequency.
- Press button **2** or **4**.
» The receiver searches up or down the bandwidth, as applicable, for as long as you hold the button down.
» Manual station search ends if you wait a certain period of time without pressing a button or if you press a different button on the operating panel.

Automatic station search in FM waveband



- Press and hold down button **2** or **4** until the display changes.
» The display shows RDS or FM and the current frequency.
» Search sensitivity II **A** is shown.
» The receiver searches up or down the bandwidth, as applicable, until it finds the next station transmitting with adequate signal strength.
» The display shows either a name or a frequency, indicating the station to which the receiver is tuned.
- Press button **2** or **4**.
» The receiver searches for the next station transmitting at adequate signal strength.

Automatic station search in AM waveband



- Press and hold down button **2** or **4** until the display changes.
» The display shows SEEK and the current frequency.
» Search sensitivity II **A** is shown.
» The receiver searches up or down the bandwidth, as applic-

able, until it finds the next station transmitting with adequate signal strength.

» The display shows a frequency, indicating the station to which the receiver is tuned.

• Press button **2** or **4**.

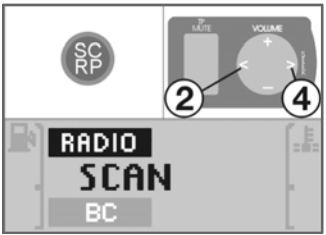
▷ If the receiver scans the entire waveband without finding a station broadcasting a signal of receivable strength, search sensitivity is increased to II and the search is repeated. If the receiver completes two high-sensitivity searches of the waveband without locking onto a single station broadcasting a signal of receivable strength, the display briefly shows NO STATION and the radio returns to the frequency it was set to prior to the search.◀

» The receiver searches for the next station transmitting at adequate signal strength.

• During a search with sensitivity I, press button **2** or **4** twice in succession.

» Sensitivity is increased from I to II.

Scanning waveband



• Press the SC/RP button.

» The display shows SCAN until a station transmitting a signal of receivable strength is found.

» Each station found is played for 10 seconds.

» The display shows the name of the station or SCAN, with the frequency on which the station is transmitting.

• Press the SC/RP button, button **2** or button **4** to select the station currently playing.

Station memory

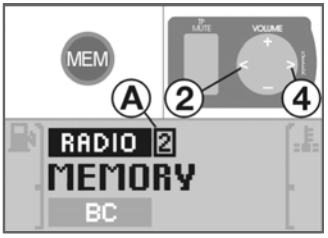
Memory slots

The numbers of memory slots available are as follows:

– FM: 6
– FM AutoStore: 6
– MW: 6
– LW: 6
– SW: 6

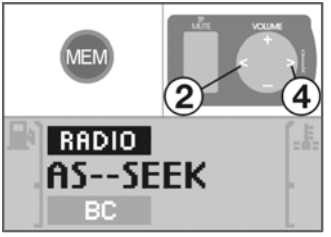
Station save, manual

• Select a station.



- Press the MEM button.
- » MEMORY flashes on the display.
- Press button **2** or **4** to select the memory slot **A**.
- » The current assignment of this memory slot appears on the display.
- Press the MEM button.
- » The station is saved to the memory slot you selected.
- » The manual save function ends if you wait a certain period of time without pressing a button or if you press a different button on the operating panel.

Station save, automatic



- Press and hold down the MEM button until the reading on the display changes.

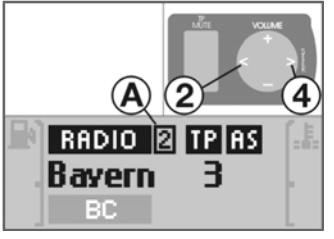
▷ Automatic station save is not available in the FM waveband.◀

▷ Automatic save always overwrites memory slots assigned beforehand.◀

- » The display shows AS-SEEK.
- » The six strongest stations are automatically saved.
- » The station saved to memory slot 1 is played.
- » If no stations broadcasting signals of sufficient strength are found, the display briefly shows NO STATION.

Calling up stations saved to memory

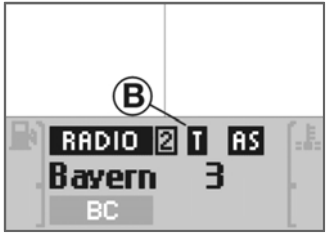
- Select a waveband.



- Press buttons **2** and **4** to select the memory slot **A** of your choice.

Traffic channel

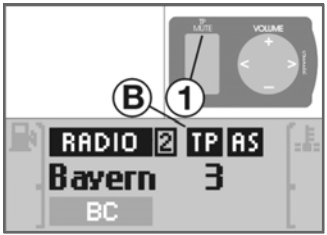
Method of operation



If a station broadcasting on the FM waveband transmits traffic announcements, this is included in the RDS information (➠ 20). The display shows the symbol T **B**. This is the precondition for activating the traffic-programme announcements function.
When the TP function is active, all other operating modes are interrupted for the duration of the traffic announcement. You can switch on the traffic-programme function only if RDS is active.

Activating traffic-programme function

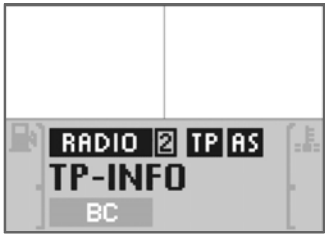
- Switch the RDS function on or off (➠ 20)



- Press and hold down button **1** until the reading on the display changes.

» The traffic-programme function is activated.

» The display shows TP **B**.

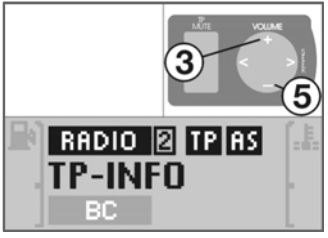


The display shows TP-INFO while a traffic-programme announcement is in progress.

Traffic-programme volume

The volume of the traffic announcements can be changed in relation to the volume for the other audio sources.

Adjusting traffic-programme volume



- While a traffic-programme announcement is in progress, press buttons **3** and **5** to adjust volume to your personal preference.

If volume is muted during a traffic-programme announcement, output volume is also muted for all other audio sources.◀

» The volume setting you select in this way is saved.

» All subsequent traffic-programme announcements are played at this volume.

CD player

Safety instructions 28
Switching on CD player 28
Inserting CD 29
Ejecting CD 29
Selecting track 29
Scanning CD 30
Fast-backing or fast-forwarding tracks 30
Selecting tracks by random play 30

Safety instructions

Operating temperatures

The CD player is designed to operate in the temperature range from 0 °C to 60 °C. In order to avoid malfunctions, use the CD player only in the specified temperature range.◀

High relative humidity can cause condensation to form on the focusing lens of the laser beam, causing disc-read errors.◀

Repairs

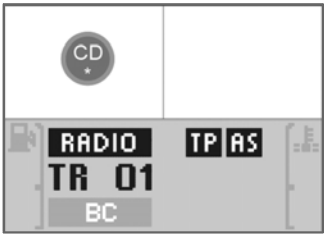
The CD player is a Class 1 laser device.
Do not remove the housing cover; have all repairs carried out by trained, qualified specialists.◀

Handling CDs

– Hold CDs by the outer rim only.
– Make every effort to keep CDs free of fingerprints, dust, scrapes and moisture.
– Do not affix adhesive labels to CDs.
– Clean your CDs from time to time, wiping them gently from the centre toward the rim with a CD cleaning cloth.

Switching on CD player

• Switch on the audio system (➠ 12)



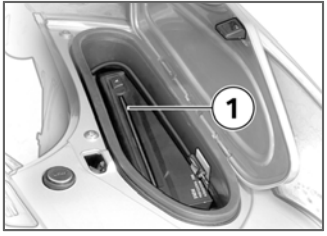
• Press the CD/* button to select the operating mode for the CD player.

If the CD drive is empty, the CD player starts automatically as soon as a CD is inserted.◀

» The first track on the CD or the track played most recently is played.
» The display shows the name of the track.
» If there is no CD in the player, the display shows NO CD.
» If the CD is not playable, the display shows CD ERROR.

Inserting CD

- Switch on the audio system (➠ 12)



- Slip the CD about one third of the way into CD slot **1**.

» The CD is automatically pulled in the rest of the way.

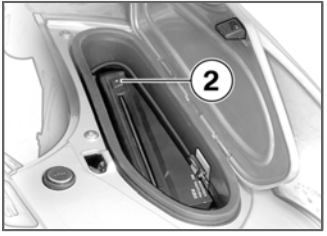
» If the audio system is not yet in CD mode, this mode is automatically activated.

» The first track on the CD is played.

» The display shows the name of the track.

Ejecting CD

- Switch on the audio system (➠ 12)

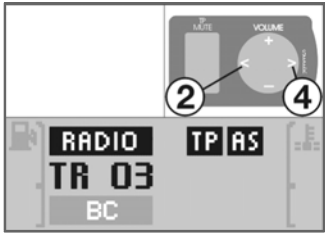


- Press eject button **2**.

» The CD slides part-way out of the slot.

» The radio mode is activated.

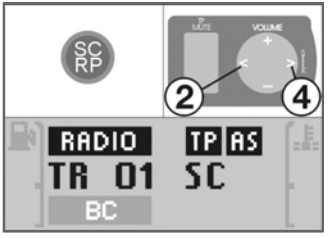
Selecting track



- Press button **2** or **4**.

» The track number increases or decreases by one each time you press the corresponding button.

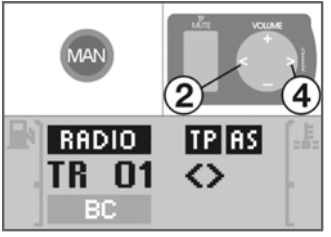
Scanning CD



- Press the SC/RP button.
» Starting at the current track, each track on the CD is played for approximately 10 seconds.
» The display shows the name of the track being played, accompanied by the letters SC.
- Press the SC/RP button, button **2** or button **4** to select the track currently playing.

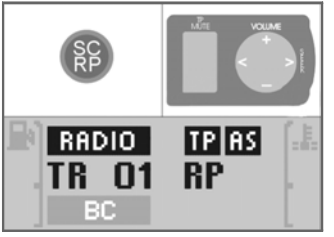
The CD scan is aborted after three passes or if a button on the operating panel is pressed.◀

Fast-backing or fast-forwarding tracks



- Press the MAN button.
» The display shows the name of the current track, accompanied by the symbol <>.
- Press button **2** or **4**.
» The track fast-forwards or fast-backs until you release the button.
» The display shows the name of the current track accompanied by the symbol >> for fast-forwarding or << for fast-backing.

Selecting tracks by random play



- Press and hold down the SC/RP button until the reading on the display changes.
» The display shows the name of the current track, accompanied by the letters RP.
» The next track to be played is selected at random.
- Press the SC/RP button again to exit random-play mode.

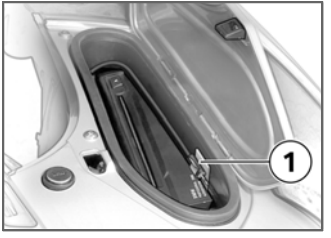
External audio devices

Requirements 32
Connecting audio device 32
Options for adjusting the input signal 33
Adjusting input-signal level 33
Volume 33

Requirements

Suitable audio devices (such as an MP3 player, for example) can be connected to the audio system by means of the plug in the stowage compartment.
The audio device must
– have a compatible connector
– be stowable inside the stowage compartment.

Connecting audio device



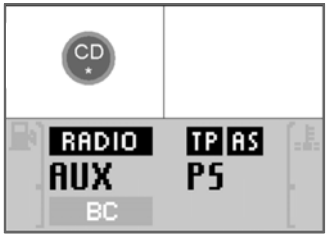
Attempting to route the connecting cable out between the radio compartment and the cover can damage the seal.
Do not attempt to route the connecting cable out of the radio compartment.◀

The audio device can shift inside the stowage compartment while the motorcycle is in motion.
In order to avoid damage, wrap the audio device with suitable protective enveloping material.◀

- Use plug **1** to connect the audio device to the audio system.
- Switch on the audio device and slip it into the stowage compartment.

When the brakes are applied the audio device can slide forward and hit the eject button of the CD drive. Make sure there is no CD in the drive.◀

- Close the lid of the compartment, making sure that neither the audio device nor the cable is trapped.

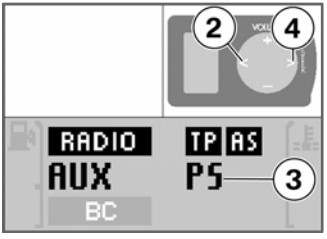


- Repeatedly press the CD/* button until the AUX operating mode is selected.

Options for adjusting the input signal

You can set the audio device's input signal level to any of six settings.

Adjusting input-signal level



- Adjust input-signal level **3** by means of buttons **2** and **4**.

Volume

Adjust the volume as described in Chapter 2 (➠ 13).
The volume range at your disposal for adjustment depends on:
– the output power of the audio device
– the input-signal level you select
– the volume to which the audio device is set

You should set the input-signal level and adjust the volume of the audio device in such a way that the volume range available for adjustment corresponds to that of the other operating modes.

Technical data

Indicators and what they mean..... 36

Technical data for radio 38

Technical data for external audio devices 39

Indicators and what they mean

Radio	
MUTE	Mute function
MAN	Manual station search
SEEK	Automatic station search
MEM	Manual station save
AS-SEEK	Automatic station save
NO STATION	No station broadcasting at sufficient signal strength
TP-INFO	Traffic-programme announcement
SPEAKER	Speakers deactivated
SVOL	Speed-dependent volume adjustment

CD	
NO CD	No CD in the drive
CD ERROR	CD not playable
CD TEMP	Temperature in the CD drive too high
TR xy	Playing track xy
TR xy SC	Playing track xy in SCAN mode
TR xy RP	Playing track xy in random-play mode
TR xy <>	Playing track xy, manual fast-forward/fast-back activated
TR xy <<	Fast-backing track xy
TR xy >>	Fast-forwarding track xy
Others	
AUX	External audio device in operation
INTERCOM	Intercom system in operation; other modes (radio, CD, external audio devices) inactive

Technical data for radio

Wavebands	
FM	VHF, double-tuner concept
AM	LW, MW and SW
Station memory	
FM	6
FM-AS	6
AM-LW	6
AM-MW	6
AM-SW	6
RDS information	
Programme Identification PI	Programme ID
Programme Service Name PS	Programme name
Enhanced Other Networks Information EON	Additional information on other programme networks
Alternative Frequencies List AF	Alternative frequencies
Traffic Programme Flag TP	Identifier for traffic programme
Traffic Announcement Flag TA	Identifier for traffic announcement

Technical data for external audio devices

Plug	3.5 mm, Stereo jack plug
Input-signal range	-0.7...2 V, Effective

A
Abbreviations and symbols, 4
Audio device
Adjusting input-signal level, 33
Connecting, 10, 32
Technical data, 39
Audio system
Status indicators, 9
Switching off, 7, 12
Switching on, 7, 12

B
Bass
Adjusting sound, 15

C
CD
Ejecting, 10, 29
Fast back, 7, 30
Fast forward, 7, 30
Inserting, 10, 29
Random play, 7, 30
Scanning, 7, 30
Selecting track, 8, 29
Status indicators, 37
CD player
Safety instructions, 28
Currency, 4

H
Height
Adjusting sound, 15

L
Loudness
Switching off, 16
Switching on, 16
Loudspeaker
Switching off, 15
Switching on, 15

M
Multifunction display, 9

O
Operating mode
Selecting, 7, 12
Operating panel
at handlebars, 8
Overall view, 7

R
Radio
Calling up stations saved to memory, 24
Regional broadcasts, 21
Scanning waveband, 7, 23
Selecting AM range, 7, 21
Selecting FM range, 7, 20
Station save, automatic, 24
Station save, manual, 7, 23
Station search, automatic, 22
Station search, manual, 7, 8, 22
Status indicators, 36
Switching on, 20
Technical data, 38
Radio Data System RDS
Switching off, 20
Switching on, 20

S
Sound
Adjusting, 7, 14

Sound curve
Switching off, 16
Switching on, 16
Stowage compartment, 10

T
Technical data
Audio device, 39
Radio, 38
Standards, 4
Traffic channel
Adjusting volume, 26
Switching on, 8, 25

V
Volume
Adapt to speed, 14
Adjusting, 8, 13
Adjusting front/rear fade setting, 16
Adjusting left/right balance setting, 16
Lowering, 8, 13