



Owner's Manual

BMW Business (MID)



This Owner's Manual will help you become acquainted with the special features of your BMW car radio. We also recommend that you refer to the section on radio operation in your vehicle's Owner's Manual, where you will find additional information on reception and sound quality.

We wish you lots of listening pleasure, your
BMW AG

In the interests of continuing development, we reserve the right to introduce modifications in design, features and accessories.

For this reason, we are unable to recognize claims stemming from information, illustrations and descriptions, or from errors or omissions contained in this manual.

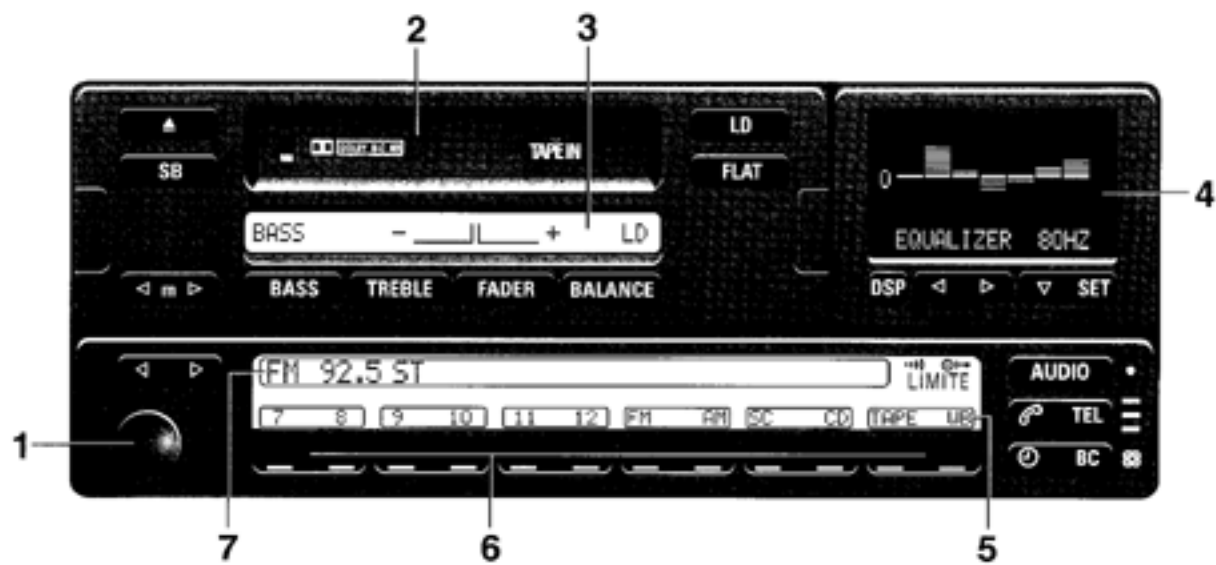
Some equipment and descriptions are identified by an asterisk *. This indicates that the equipment and accessories in these passages are not standard in all national markets, that they are standard only on specific models, or that they are available as factory or dealer-installed options. As individual vehicle specifications vary, the descriptions may not always apply to your own BMW. For information on optional accessories not covered in this manual, please consult the installation or operating instructions provided with the equipment.

Your BMW Service representative will be happy to assist you with any additional information you may require.

This Owner's Manual is available in the following languages:



US English	Order No. 01 41 9 788 638
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Displays and controls


- 1 Volume-control knob; Press: ON/OFF
- 2 Cassette slot
- 3 Bass/treble setting display
- 4 DSP* (Digital Sound Processing) display
- 5 Softkey function display
- 6 Softkeys
- 7 Main display for radio, cassette and CD modes

	Bass adjustment key
	Trebel adjustment key
	Front/rear balance adjustment
	Left/right balance adjustment
	Default setting for bass, treble, fader and balance
	Loudness on/off
	Cassette eject
	Skip Blank on/off (skips over unrecorded tape sections)

 Radio mode: automatic station search
Cassette mode: music search
CD mode: Skip title

 Sound setting selection
Radio mode: manual station search
Cassette mode: fast forward/reverse
CD mode: fast search

 Radio softkey selection
Radio on

 Cellular phone key*
(refer to operator's manual for Cellular phone)

 Digital on-board computer functions

DSP* keys

 Digital Sound Processing selection

 Program and adjustment key

 Key for mode selection/set key in DSP mode

Functions and features

Radio mode

- AM and FM radio reception
- 18-station preset for FM, 12-station preset for AM
- Autostore for AM and FM: Unit automatically stores the 6 stations with the best reception
- Weather band reception
- Manual station search
- Automatic station search
- SCAN (automatic station search with pause and sample function)
- Telephone mute mode (suppresses radio when the phone is in use)

Bass/treble adjustment

- Separate adjustment of bass and treble
- Loudness: Amplifies bass frequencies at low listening volume
- Fader: Adjusts balance between front and rear speakers
- Balance: Adjusts balance between left and right speakers.

Cassette mode

- Automatic and manual track selection
- Power-assisted cassette insertion and ejection
- Tape is tensioned automatically after insertion
- Fast forward and reverse
- Music search, forward and reverse
- Dolby¹⁾ B and C noise suppression
- Automatic tape bias recognition
- Automatic cleaning reminder
- Skip Blank (skips over unrecorded tape sections)


CD mode*


- Changer for 6 CD's
- Forward and reverse title skip
- Fast forward and reverse
- Title search with sampling function (scan)
- Random play: The unit plays a random selection of titles from all CD's.


Top HiFi Speaker System with Digital Sound Processing (DSP)*


- Simulation programs for three listening environments: Concert hall, jazz club, cathedral.
- Equalizer functions: Individual sound settings stored in three user-defined programs: Memory I, II, III.

¹⁾ Dolby and the double D symbol are registered trademarks of the Dolby Laboratories Licensing Corporation. Noise suppression system manufactured with approval of the Dolby Laboratories Licensing Corporation.

Radio mode 

Sound and balance adjustment 

Cassette mode 

CD mode 

Turning unit on/off



To switch on unit:

With ignition key at Position 1 or beyond, press the volume-control knob or the **AUDIO** key.

To switch off unit:

Press volume-control knob or return ignition key to Position 0.

To select a station

with automatic search



Select the desired wave band.

The band changes each time you press the key:

FM – FM (1-6), FM (7-12), FM (A1-A6)

AM – AM (1-6), AM (A1-A6)

Display:



Press left/right side of key or hold key down.

Left: Lower frequency
Right: Higher frequency

with manual search

Select wave band as for automatic search mode



Press left/right side of key or hold key down.

with SCAN

SCAN is an automatic forward search mode that pauses briefly at each station to allow you to sample the broadcast. The first time you scan through the frequencies, it pauses only at the stations with strong reception. The second scan sequence will also pause at weaker stations.

To activate/deactivate SCAN:



Press **SC** key.

Display indicates that SCAN is active:



To cancel SCAN:



Press **SC** or select another function.

Using controls on multi-function steering wheel

with AM/FM radio:

Operates according to the same scheme as the automatic search mode.



Press upper/lower key or hold key down.



The selected station appears in the instrument cluster display. It goes out shortly after you finish entering commands at the multi-function steering wheel, or when you press one of the radio keys.

Note:

The display **ST** indicates that the selected station is broadcasting in stereo.

Radio mode

To store stations

Manual

You can store up to 18 FM stations (1-6, 7-12, A1-A6) and 12 AM stations (1-6, A1-A6) in the unit's memory.

Start by selecting the station that you wish to store.



You then store the station by holding down one of the station keys until the station again becomes audible after a brief interruption.

The selected key number appears with an asterisk.

Automatic

The unit can automatically memorize 6 FM and 6 AM stations (A1-A6 for both bands).

To store, press either the **AM** or **FM** key until AUTOSTORE appears in the display.

Display:



Depending on the number of stations being received, the AUTOSTORE sequence may last up to 15 seconds.

To interrupt AUTOSTORE:

Press one of the radio keys before the sequence is completed.

Note:

Once the AUTOSTORE sequence has been completed, any stations that you may have stored at station keys A1-A6 will no longer be available. You may wish to repeat the AUTOSTORE sequence when entering a different reception area.


To select a stored station



First select the wave band, then briefly press the desired station key.

Receiving on weather band

To select weather band

 Press **WB**. The unit automatically scans to find the weather station with the best reception.


Display:




If no stations are within reception range, the following display will appear:



To deactivate weather band

 Press **WB**, **FM**, **AM**, **TAPE** or **CD**.

automatic search


 Press or hold down key.

Left: Stations in descending sequence
Right: Stations in ascending sequence

manual search

 Press or hold down key.

or:

 Press or hold down this key.

Left: Stations in descending sequence
Right: Stations in ascending sequence

Using controls on multi-function steering wheel

in WB mode:



Press upper/lower key or hold key down.



The selected station appears in the instrument cluster. The display goes out shortly after you finish entering commands at the multi-function steering wheel, or when you press one of the radio keys.



Sound and balance adjustments

Selecting bass setting

BASS Press key.

To change the setting:

< M > Press or hold down left or right side of key.

Display:



Selecting treble setting

TREBLE Press key.

To change the setting:

< M > Press or hold down left or right side of key.

Display:



Front/rear adjustment (fader)

FADER Press key.

To change the setting:

< M > Press or hold down left or right side of key.

Display:



Left/right adjustment (balance)

BALANCE Press key.

To change the setting:

< M > Press or hold down left or right side of key.

Display:



Loudness on/off

This mode amplifies bass frequencies at low listening volumes.

LD Press key.

Display:



Default setting for bass, treble, balance and fader

FLAT Press key.

Display:



Note:

The sound and balance displays (except LD) go out automatically a few seconds after the final key entry is completed.

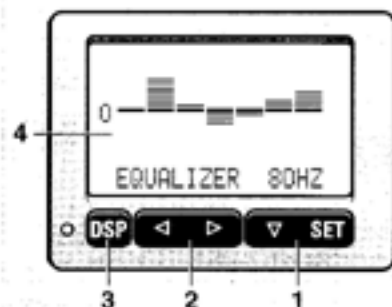


Digital Sound Processing (DSP)*

DSP furnishes optimum listening pleasure by allowing you to select simulated listening environments as well as equalizer functions.

Three pre-programmed and three user-defined programs are available.


You can also use the demonstration sequence to listen to each of the programs for 10 seconds each.



- 1 Set key for entering simulated listening environment and equalizer functions
- 2 Program and selection key
- 3 DSP on/off
- 4 Display for simulated listening environment and equalizer functions

DSP is operational only when the radio is on. You can use any key to activate the display, which then goes out 30 seconds after the last setting is selected.


Program selection

 Press the key to select the desired program.


Program sequence:

Concert hall, jazz club, cathedral, Memory I, II, III, Demonstration.

Setting user-defined programs


 Press the key until the desired program (Memory I, II, III) appears in the display.
To confirm:


 Press right side of key.

 Press left side of key, the user-defined setting starts to flash.


Selection sequence:

Room size, room sound pressure level, equalizer (80 Hz, 200 Hz, 500 Hz, 1 KHz, 2 KHz, 5 KHz, 12 KHz)

 Press key until you arrive at the desired setting.
Left side: lower
Right side: higher

 Press the right side of the key to confirm the selected setting,

or

 Press the left side of the key to select the next setting that you wish to change.

Activating/deactivating DSP mode

 Press key.

The last active setting will be recalled when you reselect this mode.

Cassette mode

Selecting the cassette mode

Switch on the unit.

Insert the cassette all the way into the slot, with the tape side on the right. The cassette mode data now appear in the display. The "TAPE IN" display lights up.

If a cassette is already in the slot:



Display:



The unit automatically recognizes the cassette type (bias).

To terminate cassette listening



The cassette is ejected and can be removed,

or

if you wish to leave the cassette in the unit, select a different operating mode (e.g., FM, AM or CD),

or

turn ignition key to Position 0,

or

switch off the unit.

The cassette remains in the unit when you select any of these last three options. The unit resumes operation in the cassette mode when you switch it on again.

Changing tape tracks



(TAPE A is the upper, TAPE B the lower side).

The cassette automatically switches to the other side at the end of each track.

Setting noise suppression



The unit indicates the selected noise suppression.



Forward music search


 Press right side of key.

Display:



The tape fast-forwards to the next music selection. The unit then reverts to play. When the tape is finished, the unit switches to the other track.

To cancel music search:

 Press either side of the key or select another function.

Note:

Pauses of at least 4 seconds duration must be present between the selections in order for the music search function to operate.

Reverse music search

 Press left side of key.

Display:



The unit winds the tape back to the beginning of the current music selection before reverting to play. At the beginning of the tape the unit switches to play.

To cancel music search:

 Press either side of the key or select another function.

Note:

Pauses of at least 4 seconds duration must be present between the selections for the music search function to operate.

Fast forward

 Press right side of key.

Display:



When the tape is finished, the unit switches to the other track.

To cancel fast forward:

 Press either side of the key or select another function.

Fast reverse


 Press left side of key.

Display:



If you wind the tape all the way back to the beginning, the unit will revert to normal play.

To cancel fast reverse:

 Press either side of key or select another function.

To skip over unrecorded segments of the tape (SB = Skip Blank)

In this mode the unit skips over empty tape sections of more than 12 seconds duration by automatically activating the forward search mode.

To activate/deactivate:

 Press **SB** key.

SB display on:

**Using controls on multi-function steering wheel in cassette mode.**

in cassette mode.

Forward search:

 Press button.

Reverse search:

 Press button.

Supplementary function:

The unit responds to two consecutive search key activations by switching to fast forward/reverse.

Press a search key to deactivate.

The selection appears in the display in the instrument cluster. It goes out shortly after you finish entering commands at the multi-function steering wheel, or when you press one of the radio keys.



Cassetten mode

General information

The unit can be used with pure ferrous (metal), ferric oxide, chromium dioxide and ferrochrome cassettes.

We recommend cassettes designed for heavy-duty use (automotive operation), and that you refrain whenever possible from using cassettes with a playing time in excess of 90 minutes.

To prevent malfunctions in the cassette mechanism, you should store each cassette in its **cassette holder with tape detent**.

Avoid exposing the cassettes to extreme temperatures and dust.

CLEAN display

In the course of time, unavoidable deposits of dust and other contaminants will form on the cassette player's audio pick-up, leading to a loss in the quality of sound reproduction. The components in the cassette drive mechanism also become dirty. You should therefore clean the cassette player periodically.

This radio helps you determine the correct intervals.

After every 50 hours of playing time, the word **CLEAN** will appear in the display as you insert the cassette during two consecutive insertions.

When the **CLEAN** message appears, you should use a suitable cleaner cassette to remove the contaminants (use an auto-reverse cassette and allow it to run in both directions).

This procedure will allow you to maintain optimum sound quality from the cassette player.

ERROR display

Should the mechanism be unable to move the tape in a cassette (defective cassette), the message **TAPE ERROR** will appear in the display.

To avoid possible damage



Press the key and extract the cassette from the slot.

Please refrain from attempts to use the defective cassette again.

CD mode*

Selecting CD mode



Press **CD** key

After a lapse of a few seconds, the unit will start to play at the point where listening was last interrupted. The data for CD mode appear in the display:



Note:

Strong vehicle vibrations of the kind that occur during driving on poor road surfaces may cause brief interruptions in CD play. This condition does not indicate a fault in the unit.

To terminate CD mode

Select a different function:



Press **FM**, **AM** or **TAPE** key.

To select a CD



Press the key for the desired CD number (1...6).

The CD is loaded and its number appears in the display. The unit starts to play the CD at the first title. When the last title on a CD is finished, the unit automatically changes to the next CD.

Note:

Only the CD's loaded in the magazine are available for selection.

Forward title skip



Press or hold down the right side of the key.

The CD starts to play at the beginning of the selected title.

The corresponding title number appears in the display.

When the CD is finished, the last title is followed by the first title on the same CD.

Reverse title skip



Press or hold down the left side of the key.


The CD starts to play at the beginning of the selected title. If you press the key only once, the unit returns to the beginning of the current title.

The corresponding title number appears in the display.

Once the unit reaches the beginning of the CD, the first title is followed by the last title on the same CD.



Fast forward search


 Hold down the right side of the key until you wish to stop the fast forward search.

Display:



Once you reach the end of the CD the unit will automatically revert to normal play.

Fast reverse search

 Hold down the left side of the key until you wish to stop the fast reverse search.

Display:



Once you reach the beginning of the CD the unit will automatically start to play the first title.

Scan search

Scan is a forward-sequence, automatic title-sampling mode in which each selected title is played for several seconds.

To activate/deactivate SCAN:

 Press **SC** key.


Display for SCAN on:



The number of the current title appears in the display.

Once the end of the CD is reached, the unit returns to the first title.

To cancel the SCAN search mode:

 Press **SC** key or select another function.

Random play

When random play is activated, the unit plays a random selection of titles from all available CD's.


To activate/deactivate random play:

 Press **RND** key.

Display with random play active:



To cancel random play:

 Press **RND** or select another function.

Both title skip and fast search remain available in both forward and reverse directions while random play is active. This feature allows you to skip over undesired titles.

Using controls on multi-function steering wheel

in CD mode.

Forward title skip:



Press button.

Reverse title skip:



Press button.

You can interrupt the forward/reverse music search by again pressing the search key.

The selection appears in the display in the instrument cluster. It goes out shortly after you finish entering commands at the multi-function steering wheel, or when you press one of the radio keys.

Other displays in CD mode

CD CHECK

The CD changer is checking the contents of the magazine. This display appears after you insert the magazine.

NO MAGAZINE

No magazine is inserted in the CD changer.

NO DISCS

No CD's have been inserted in the CD changer's magazine.

HIGH TEMP

Operating temperature too high. The unit automatically resumes operation once it has cooled off.

CD ERROR

The CD which you have selected has been inserted incorrectly, or is damaged and cannot be played.



CD mode

CD changer*

The **BMW 6 CD CHANGER P** is installed in the luggage compartment.

The magazine capacity is 6 CD's.

To remove the CD magazine



Press button:

The CD changer opens automatically.

Press button a second time:

The magazine emerges and can be removed.

Inserting/removing CD's in magazine

Important:

When inserting CD's in and removing them from the magazine, take care to touch them on the edges only. Never touch the shiny data side of the CD.

The sequence of the CD slots corresponds to that of the CD selection keys.



Slide out the CD slot.

Insert the CD with the **lettered side down** and slide the CD slot back in.

Reverse the procedure to remove the CD's.

We do not recommend playing single-format CD's with an adapter. The CD or the adapter can jam.

Suitable magazines for single-format CD's are commercially available.

To insert the CD magazine



Press the button:

The CD player opens automatically.

Ensure that the arrow symbol is pointing toward the CD changer, then slide the magazine all the way in.

Fold the CD changer's cover back up to close it.

To reset all functions:

Use a pen or pencil to press the reset button.

Connections at CD player

Control unit

Constant positive, Terminal 30

3 A fuse

Digital interface (Top HiFi)

Shipping retainers

Remove the four red screws and detach the transport retainer prior to installation. Save the shipping retainer in case the unit needs to be removed at a later date.

Remove the laser's shipping pin (secured with tape) and save this as well.



General information on using CD's

The CD changer is designed for trouble-free operation within a temperature range of 0°C to 60°C.

We therefore recommend that you wait until the temperature in the vehicle is within this range before using the CD changer, as playing errors may otherwise occur.

Never expose the unit to temperatures outside the range extending from -25°C to 85°C, even when the unit is switched off.

Although both sides of the CD are equipped with a protective coating, you should handle it with care:

Touch only the outer edge of the CD. Avoid fingerprints, dust, scratches and moisture on the mirror-finish side. Do not write on the disks or affix stickers to them.

Clean the CD's periodically/before playing. Use a commercially-available cleaning cloth to wipe the shiny data side clean, starting at the inside and working your way outward in a straight line.

Never use solvents or abrasives, or cleaners and anti-static sprays intended for records.

Condensation on the disk surface (e.g., due to major fluctuations in temperature) can lead to interference when the disk is played.

High humidity levels in the unit can lead to condensation on the laser beam's focusing lens, preventing it from scanning the disk.

Precautions for handling laser devices

The BMW 6 CD CHANGER P is a Class 1 laser product.

Should the cover be removed, defective or damaged, the unit could emit invisible laser radiation.

Important:
Never remove the cover from the housing.

To ensure safety, always refer any required service or maintenance work to a qualified technician.