



SOUND SYSTEM

MTJ



SUMMARY



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The car radio has been designed in accordance with the passenger compartment specifications and has been personalized so that it is integrated with the style of the dashboard.

The instructions for usage are given below and we recommend that they are closely followed.

TIPS

Road safety

Familiarise yourself with the various car radio functions (for example, memorize the stations) before starting to drive.



If the volume is too loud this could be dangerous for the driver and for passengers when driving in traffic. Always adjust the volume so that you can still hear background noises.

Reception conditions

Reception conditions change constantly while driving. Reception may be interfered with by the presence of mountains, buildings or bridges when you are far from the broadcaster.

IMPORTANT The volume may be increased when receiving traffic bulletins.

Care and maintenance

Only clean with a soft, anti-static cloth. Cleaning and polishing products could damage the surface.

CD

Dirt, scratches or any distortions on CDs could cause problems when playing and poor sound quality. Follow this advice for optimum conditions:

- only use branded CDs:



- clean every CD to remove any fingermarks or dust using a soft cloth. Hold CDs around the outside circumference and clean them from the middle outwards;

- never use chemical cleaning products (e.g. spray cans or anti-static products or thinners) because they could damage the surface of the CDs;
- after listening to them place CDs back in their casings to avoid damage to them;
- do not expose CDs to direct sunlight, high temperatures or dampness for long periods;
- do not stick labels on the surface of the CD and do not write on the recorded surface using pens or pencils;
- do not use CDs that are very scratched, flawed, distorted, etc. Using discs like this will result in malfunctions or damage to the player;
- the use of original CD supports is required for the best quality audio production. If CD-R/RW supports that have not been correctly mastered and/or with a maximum capacity above 650 MB are used, correct operation is not guaranteed.
- do not use the protective sleeves sold for CDs or discs with stabilizers, etc. because they could get stuck in the internal mechanism and damage the disc;



- if copy protected CDs are used, it may take a few seconds before the system starts playing them. The CD player cannot be guaranteed to play all protected discs. The fact that the CD is protected from being copied is often shown in very small letters or is difficult to read on the actual CD cover where it may say, for example, "COPY CONTROL", "COPY PROTECTED", "THIS CD CANNOT BE PLAYED ON A PC/MAC", or it may be identified through the use of symbols, such as, for example:
- The CD player is capable of reading most compression systems currently in use (e.g.: LAME, BLADE, XING, FRAUNHOFER) but, following the development of those systems, the playback of all compression formats is not guaranteed.



TECHNICAL SPECIFICATIONS

Maximum power: 4x40W

STANDARD SYSTEM

○ **Standard audio**

Front speakers

- N° 2 tweeters Ø 38 mm;
- N° 2 mid-woofer speakers Ø 165 mm.

Rear speakers

- N° 2 full-range speakers Ø 165 mm.

○ **Middle of the range radio** (dual tuner)

MID-RANGE SYSTEM

○ Middle of the range system

Front speakers

- N° 2 tweeters Ø 38 mm;
- N° 2 mid-woofer speakers Ø 165 mm.

Rear speakers

- N° 2 tweeters Ø 38 mm;
- N° 2 mid-woofer speakers Ø 165 mm.

○ Middle of the range audio (dual tuner and double aerial)

HI-FI BOSE SYSTEM (available on request for certain versions/markets)

○ Audio HI-FI

Front speakers

- N° 2 tweeters Ø 38 mm;
- N° 2 mid-woofer speakers Ø 165 mm.

Rear speakers

- N° 2 tweeters ø 38 mm;
- N° 2 mid-woofer speakers Ø 165 mm,
- N° 1 8 channel amplifier;
- N° 1 bass box.

○ Middle of the range audio (dual tuner and double aerial)

The BOSE HI-FI audio system has been carefully designed to supply the best acoustic performance and reproduce sound like a live concert in all areas of the passenger compartment.

The system features the faithful reproduction of high tones and rich low tones which make the loudness function superfluous. The complete range of sound is reproduced throughout the entire passenger compartment so that the occupants are enveloped with the feeling of space experienced when listening to live music.

The components used have been patented and make use of the most sophisticated technology whilst, at the same time, being easy to use by even the most inexperienced people.

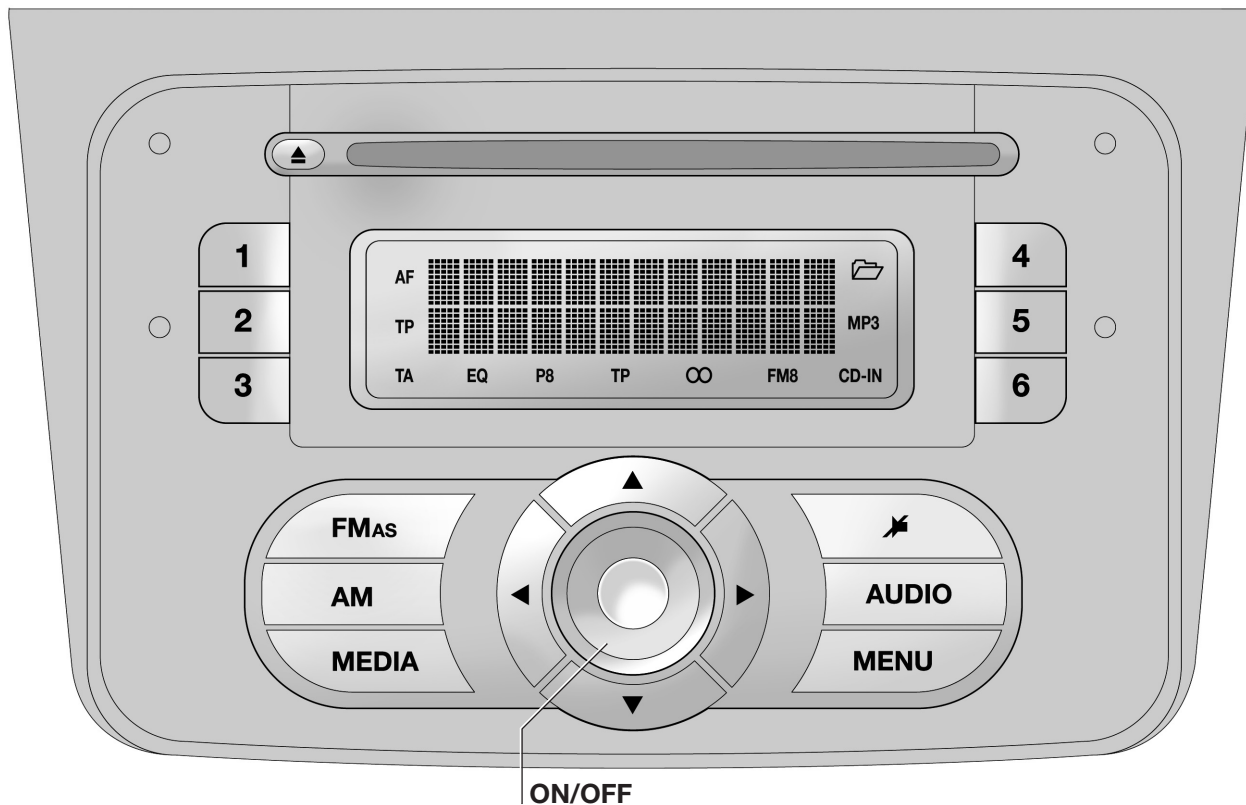


fig. 1

BUTTON (fig. 1)	GENERAL FUNCTIONS	MODE
ON/OFF	On	Press knob briefly
	Off	Prolonged knob press
	Volume adjustment	Left/right knob rotation
FM AS	Selection of radio source FM1, FM2, FM Autostore	Short cyclical button press
AM	Selection of MW, LW radio source	Short cyclical button press
MEDIA	Selection of CD/Media Player source (only with Blue&Me™ or Blue&Me™ Nav)	Short cyclical button press
▶	Volume on/off (MUTE / PAUSE)	Short button press
AUDIO	Audio settings: low tones (BASS), high tones (TREBLE), left/right balance (BALANCE), front/rear balance (FADER)	Menu activation: press button briefly Adjustment type selection: press buttons ▲ or ▼ Value adjustment: press buttons ◀ or ▶
MENU	Advance functions adjustment	Menu activation: press button briefly Adjustment type selection: press buttons ▲ or ▼ Values adjustment: press buttons ◀ or ▶



BUTTON (fig. 1)	RADIO FUNCTIONS	MODE
	Radio station search: • Automatic search • Manual search	Automatic search: press buttons ◀ or ▶ (long press for fast forward) Manual search: press the buttons ▲ or ▼ (long press for fast forward)
1 2 3 4 5 6	Store current radio station Recall station stored	Long button press for memory preset 1 to 6 Short button press for memory preset from 1 to 6

BUTTON (fig. 1)	CD FUNCTIONS	MODE
	Eject CD	Short button press
	Play previous/next track CD track fast forward/rewind	Short button press ◀ or ▶ Long button press ◀ or ▶
	Play previous/next folder (for CD-MP3)	Short button press ▲ or ▼

BUTTON (fig. 1)	Media Player FUNCTIONS (only with BlueMe™ or BlueMe™ Nav)	MODE
	Selection of previous/next folder/artist/genre/album depending on the mode selected	Short button press
	Play previous/next track	Short button press

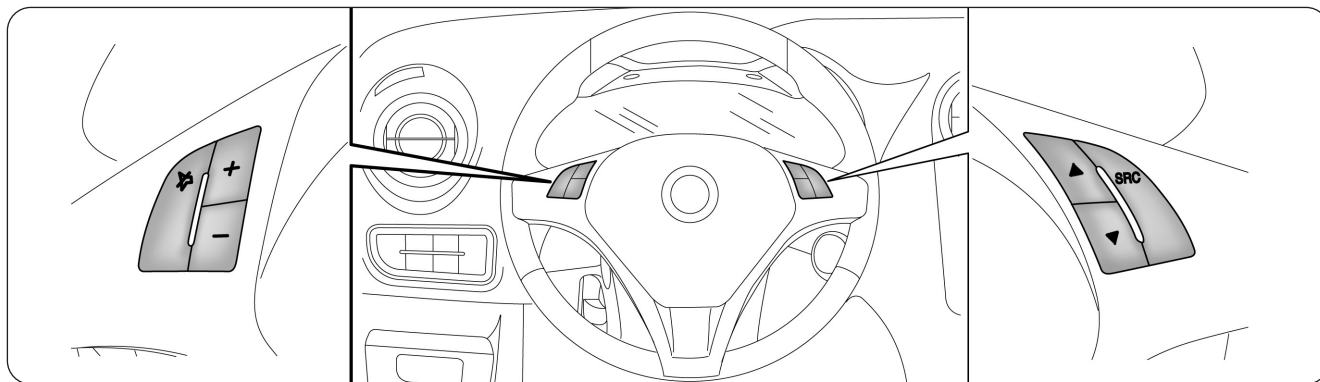
STEERING WHEEL CONTROLS (where provided)

fig. 2

A0J0052m



BUTTON (fig. 2)	FUNCTION	MODE
▶	AudioMute on/off (Radio mode) or Pause function (MP3 or Media Player mode) (only with BlueMe™ or BlueMe™ Nav)	Short button press
+	Turn up volume	Button press
-	Turn down volume	Button press
SRC	Selection of Radio frequency range (FM1, FM2, FMT, FMA, MW, LW) or listening sources (Radio, MP3 or Media Player (only with BlueMe™ or BlueMe™ Nav)	Button press
▲	Radio: recall preselected stations (from 1 to 6) CD/CD MP3; select next tract	Button press
▼	Radio: recall preselected stations (from 6 to 1) CD/CD MP3; select previous track	Button press

GENERAL INFORMATION

The radio has the following functions:

Radio section

- PLL tuning with FM/AM/MW/LW frequency bands;
- RDS (Radio Data System) with TA function (traffic news) - TP (traffic programmes) - EON (Enhanced Other Network) - REG (regional programmes);
- AF: alternative frequency search selection in RDS mode;
- emergency alarm preparation;
- automatic/manual station tuning;
- FM Multipath detector;
- manual programming of 36 stations: 18 on the FM band FM (6 on FM1, 6 on FM2, 6 on FMT), 6 on the MW band and 6 on the LW band;
- automatic programming (AUTOSTORE function) of 6 stations on the dedicated FM band;
- SPEED VOLUME function (excluding versions with Bose HI-FI system): automatic volume adjustment based on vehicle speed;
- automatic Stereo/Mono selection.

CD section

- Direct selection of the disc;
- Track selection (forward/backward);
- Track fast advance (forward/backward);
- CD Display function: display of disc name/time elapsed since the start of the track;
- Playing audio CD, CD-R and CD-RW.



Other information is recorded on multimedia CDs in addition to the tracks. Playing this type of CD could cause hissing at a volume that could jeopardise road safety as well as causing damage to the final stages and the speakers.

CD MP3 section

- MP3-Info function (ID3-TAG);
- Folder selection (previous/next);
- Track selection (forward/backward);
- Track fast advance (forward/backward);

- MP3 display function: display of name of folder, ID3-TAG information, time elapsed since the start of the track, file name);
- Playing audio or information CD, CD-R and CD-RW.

Audio section

- Mute/Pause function;
- Soft Mute function;
- Loudness function (excluding versions with Bose HI-FI system);
- 7 band graphic equalizer (excluding versions with Bose HI-FI system);
- Separate adjustment of low/high tones;
- Right/left channel balance.

Media Player section (only with Blue&Me™ or Blue&Me™ Nav)

For the operation of the Media Player see the description in the Blue&Me™ Supplement or the Blue&Me™ Nav.



TURNING THE RADIO ON

The car radio comes on when the ON/OFF button/knob is pressed briefly.

When the car radio is turned on the volume is set at 5 if it was higher when used previously.

When the radio is turned on with the key extracted from the ignition, it switches off automatically after about 20 minutes. After the radio has switched itself off automatically it can be turned on for a further 20 minutes by pressing the ON/OFF button/knob.

SWITCHING THE RADIO OFF

Keep the ON/OFF button/knob pressed.

SELECTION OF RADIO FUNCTIONS

By pressing the FMAS button quickly and repeatedly, the following audio sources can be selected cyclically:

- TUNER ("FM1", "FM2", "FMA");

By pressing the AM button quickly and repeatedly, the following audio sources can be selected cyclically:

- TUNER ("MW", "LW").

SELECTION OF CD FUNCTION

By pressing the CD button briefly it is possible to select the CD function.

AUDIO SOURCE MEMORY FUNCTION

If another function (e.g. the radio) is selected whilst listening to a CD, playing is interrupted and, is resumed from that point when returning to the CD source.


If another function is selected whilst listening to the radio, the last station selected is tuned into when returning to the Radio source.


VOLUME ADJUSTMENT

Turn the ON/OFF button/knob to adjust the volume.

If the volume level is changed during the transmission of a traffic update, the new setting will only be maintained until the update is finished.

MUTE/PAUSE FUNCTION (zeroing the volume)

Press the  button briefly to activate the Mute function. The volume will gradually decrease and the words "RADIO Mute" will appear on the display (in radio mode) or "PAUSE" (in CD mode).

Press the  button again to deactivate the Mute function. The volume will gradually increase until it reaches the level set previously.





When the volume is changed using the dedicated controls, the Mute function is deactivated and the volume is adjusted to the new level selected.

With the Mute function activated, it will be ignored when there is an incoming traffic alert (if the TA function is activated) or if an emergency alarm is received. The function will be reactivated when the announcement is over.

AUDIO ADJUSTMENTS

The functions that can be selected from the audio menu change depending on the context: AM/FM/CD/Media Player (only with Blue&Me™ or Blue&Me™ Nav).

Press the AUDIO button briefly to change the Audio functions. After the AUDIO button is first pressed, the display will show the bass level value for the source activated at that time (e.g. in FM mode the display will show "FM Bass +2").

To scroll through the Menu functions use button  or . To change the setting of the function selected use buttons  or .

The current status of the function selected will be shown on the display.

The functions managed by the Menu are:

- BASS (adjustment of low tones);
- TREBLE (adjustment of high tones);
- BALANCE (adjustment of right/left balance);
- FADER (adjustment of front/rear balance);
- LOUDNESS (excluding versions with Bose HIFI Bose) (activation/deactivation of LOUDNESS function);
- EQUALIZER (excluding versions with Bose HI-FI system) (activation and selection of factory equalizer settings);
- USER EQUALISER (excluding versions with Bose HIFI Bose) (personalized equalizer settings).



TONE ADJUSTMENT (bass/treble)

Proceed as follows:

- Make the selection using the ▲ or ▼ button for the “BASS” or “TREBLE” in the AUDIO menu;
- press the button ◀ or ▶ to increase/decrease the bass or treble.

By pressing the buttons briefly there is a gradual change in steps. By pressing them down longer, the levels will change quickly.

BALANCE ADJUSTMENT

Proceed as follows:

- Make the selection using the ▲ or ▼ button for the Balance setting in the AUDIO menu;
- press the ◀ button to increase the sound coming from the right speakers or the ▶ button to increase the sound coming from the left speakers.

By pressing the buttons briefly there is a gradual change in steps. By pressing them down longer, the levels will change quickly.

Select the “◀ 0 ▶” value to set the right and left audio outputs at the same value.

FADER ADJUSTMENT

Proceed as follows:

- Make the selection using the ▲ or ▼ button for the Fader setting in the AUDIO menu;
- press the ◀ button to increase the sound coming from the rear speakers or the ▶ button to increase the sound coming from the front speakers.

By pressing the buttons briefly there is a gradual change in steps. By pressing them down longer, the levels will change quickly.

Select the “◀ 0 ▶” value to set the front and rear audio outputs at the same value.

LOUDNESS FUNCTION (excluding versions with HI-FI Bose system)

The Loudness function improves the volume of the sound whilst listening at low volumes, increasing the bass and treble.

To activate/deactivate the function, select the AUDIO menu Loudness setting using the ◀ or ▶ button. The function status (on or off) is shown on the display for a few seconds by the words Loudness On or Loudness Off.

PRESET/USER*/ CLASSIC/ ROCK/JAZZ fuctions (activation/deactivation of equalizer) (excluding versions with HI-FI Bose system)

The built-in equalizer can be activated/deactivated. When the equalizer function is not activated, the audio settings can only be changed by regulating the Bass and Treble, whilst with it activated the acoustics can be adjusted. To deactivate the equalizer, select the "EQ Preset" function using the ◀ or ▶ buttons.

To activate the equalizer, select one of the following adjustments using the ◀ or ▶ buttons:

- "FM/AM/CD...EQ User" (adjustment of 7 equalizer bands that can be changed by the user);
- "Classic" (optimum redefined adjustment of equalizer for listening to classical music);
- "Rock" (optimum redefined adjustment of equalizer for listening to rock and pop music);
- "Jazzc" (optimum redefined adjustment of equalizer for listening to jazz music);

When one of the equalizer adjustments is activated the letters "EQ" light up.



***USER EQ SETTINGS function (equalizer settings only if the USER settings function has been selected) (excluding versions with HI-FI Bose system)**

For customised equaliser settings, use ▲ or ▼ to point to USER and then press the MENU button.

A graph with 7 bars will appear on the display, where each bar represents a frequency. Select the bar to adjust using buttons ◀ or ▶; the bar selected will start to flash and can be adjusted using buttons ▲ or ▼.

Press the AUDIO button again to memorize the setting. The display will show the source activated at the time followed by the word USER. If the mode is FM, then the display will show "FM EQ User".

MENU

MENU button functions

Press the MENU button briefly to activate the Menu function. The display will show the first menu item that can be adjusted (AF) (AF Switching On on the display).

Use the buttons ▲ or ▼ to scroll the menu functions. To change the setting of the selected function, use the buttons ◀ or ▶.

The current status of the function selected will be shown on the display.

The functions managed by the Menu are:

- AF SWITCHING (ON/OFF);
- TRAFFIC INFORMATION (ON/OFF);
- REGIONAL MODE regional programmes (ON/OFF);
- MP3 DISPLAY (CD MP3 display setting);
- SPEED VOLUME (excluding versions with Bose HI-FI system) (speed dependent automatic volume control);
- EXTERNAL AUDIO (telephone volume adjustment);
- RADIO OFF (switching off mode);
- SYSTEM RESET.

Press the MENU button again to exit the Menu function.

IMPORTANT The AF SWITCHING, TRAFFIC INFORMATION and REGIONAL MODE adjustments are only possible on FM.

AF SWITCHING function (alternative frequency search)

The radio can operate in two different modes in the RDS system:

- “AF Switching On”: search for alternative frequencies activated (display shows “AF”);
- “AF Switching Off”: alternative frequency search not activated.

Proceed as follows to switch the function on/off:

- press the MENU button and select “AF Switching On”;
- press the ◀ / ▶ buttons to turn the function on/off.

With the function activated, the radio automatically tunes into the station with the strongest signal broadcasting the same programme. While driving, you can continue to listen to the same station without having to change the frequency when you change zones.

Obviously, it must be possible to receive the station that you are listening to in the area you are driving through.

If the AF function is activated, “AF” will light up in the display.

If the AF function has been activated and the radio is no longer capable of receiving the station tuned into, the radio will activate the automatic search during which the display will show “FM Search” (only for the top of the range radio).

With the AF function deactivated, the remaining RDS functions such as the display of the name of the radio station continue to remain activated.

The AF function can only be activated on FM bands.



TRAFFIC INFORMATION function

Some stations on the FM band (FM1, FM2 and FMA) can transmit information about traffic conditions. In this case the letters "TA" will appear in the display.

Proceed as follows to switch the TA function on/off:

- press the MENU button and select "Traffic Info";
- press the ◀ / ▶ buttons to turn the function on/off.

If the TA function is activated, "TA" will light up in the display.

IMPORTANT if the TA function is activated with an audio source other than Tuner (Radio) (CD, MP3, Telephone or Mute/Pause), the radio can carry out an automatic search and therefore it is possible, when reactivating the Tuner (Radio) source, that the frequency tuned into will be different from the one set previously.

It is possible, with the TA function, to:

- search for RDS stations only that broadcast on the FM band enabled to transmit traffic information;
- receive traffic information even if the CD player is working;
- receive traffic information at a minimum preset volume even with the radio volume zeroed.

IMPORTANT In some countries there are radio stations that do not broadcast traffic information even with the TP function activated ("TP" on the display).

If the radio is working on the AM band, when the TA function is activated it will switch to the last station tuned into onto the FM1 band.

The volume at which the traffic update is transmitted depends on the reception volume:

- listening volume less than 5: traffic update volume equal to 5 (fixed value);
- listening volume more than 5: traffic update volume +1 compared with listening volume.

If the volume is changed during a traffic update, the level will not be shown on the display; the new level will be maintained only during the update.

The display will show the words TRAFFIC INFORMATION whilst a traffic update is being received.

The TA function can be interrupted by pressing any of the radio buttons.

REGIONAL MODE function

Some national broadcasters will transmit regional programmes at certain times of the day (that vary from region to region). This function makes it possible to tune into local (regional) broadcasters automatically (see EON function paragraph).

If you want the radio to automatically tune into the regional stations being broadcast on the network selected, the function must be activated.

To turn the function on/off, use the buttons ◀ or ▶.

The current status of the function will be shown on the display:

- “Regional On”: function activated;
- “Regional On”: function deactivated.

If the function is deactivated and you have tuned into a regional station working in a given area and you enter a different area, then the regional station received in the new area will be broadcast.

IMPORTANT If the AF and REG functions are activated simultaneously, the radio may not switch correctly to a valid alternative frequency on the border between two regions.

MP3 DISPLAY FUNCTION (display of Compact Disc MP3 information)

This function makes it possible to select the information shown by the display when listening to a CD containing MP3 tracks.

The function can be selected only if a CD MP3 has been loaded: in this case the “MP3 Display” will appear in the display.

To change the function, use the buttons ◀ or ▶.

The following settings are available:

- “Title” (track title, ID3-TAG if available);
- “Author” (track author, ID3-TAG if available);
- “Album” (track album, ID3-TAG if available);
- “Folder” name (folder name);
- “File” name (MP3 file name).



SPEED VOLUME function (variation of volume dependent on speed) (excluding versions with HI-FI Bose system)

This function allows the volume level to be adjusted depending on the speed of the vehicle, increasing it as the speed increases to maintain the same balance with the noise level inside the passenger compartment. To turn the function on/off, press the ◀/▶ buttons. The words Speed volume should appear on the display followed by the current status of the function:

- Off: function deactivated
- Low: function activated (low setting)
- High: function activated (high setting).

RADIO ON VOL function (radio volume maximum limit activation/deactivation)

This function makes it possible to activate/deactivate the maximum volume limit when turning the radio on.

The display shows the function status:

- "Radio on vol – Limit on": when the radio is turned on the volume level will be:
 - if the volume level is equal to or higher than the maximum value, the radio will come on at the maximum volume;
 - if the volume level is between the minimum and maximum values, the radio will come on at the same volume as before it was switched off;
 - if the volume level is equal to or lower than the minimum value, the radio will come on at the minimum volume.
- "Radio on vol – Limit off": the radio will come on at the same volume as before it was switched off. The volume may be between 0 and 40.

Use the ◀/▶ buttons to change the setting.

NOTES

- Using the MENU it is only possible to adjust the activation/deactivation of the function and not the minimum or maximum volume setting.
- If the "TA" or "TEL" functions or an outside audio source are activated when the radio is turned on, the radio will come on at the volume set for these sources. When the outside audio source is deactivated, the volume can be adjusted between the minimum and maximum levels.
- If the battery charge is low, it will not be possible to adjust the volume between the minimum and maximum levels.

EXTERNAL AUDIO function (telephone volume adjustment)

This function makes it possible to adjust (settings from 1 to 40), by turning the ON/OFF button/knob or pressing the ◀/▶ buttons or exclude (OFF setting) the volume of the Telephone, the Blue&Me™ or Blue&Me™ Nav (except the Media Player function).

The display shows the current function status:

- "EXT Audio Off": function deactivated.
- "EXT Audio Volume 23": function activated with volume set to 23.

RADIO OFF function (on and off mode)

This function is used to select the mode of turning off the radio between two different procedures. To turn the function on, use the buttons ◀ or ▶.

The selected mode will appear on the display:

- "00 MIN ": the radio turns off in connection with the ignition key; the radio turns off automatically as soon as the key is turned to the STOP position;
- "20 MIN": the radio turns off independently from the ignition key; the radio remains on for a maximum period of 20 minutes after the key has been turned to the STOP position;

SYSTEM RESET function

This function is used to restore all settings to the factory values. The options are:

- NO: do not restore;
- YES: the default parameters will be restored. The display will show Resetting during this operation. The the end of the operation the source does not change and the previous situation will be displayed.



TELEPHONE PREPARATION

If a hands-free kit is installed on the car, when there is an incoming phonecall the radio audio will be connected to the telephone output. The incoming telephone sound is always at a fixed volume, but it can be adjusted during the conversation using the ON/OFF button/knob.

The fixed telephone audio volume can be adjusted using the "EXT Audio" function in the Menu. The word PHONE will appear on the display during the deactivation of the audio for the phonecall.

ANTI-THEFT PROTECTION

The radio is equipped with an anti-theft protection system based on the exchange of information between the radio and the electronic control unit (Body Computer) on the car.

This system guarantees maximum security and avoids the secret code having to be entered every time after the radio power supply is disconnected.

If the outcome of the check is positive, the radio will start to work, whilst if the codes compared are not the same or if the electronic control unit (Body Computer) is replaced, the equipment will notify the user of the need to enter the password following the procedure in the paragraph below.

Entering the password

When the radio is switched on, if the password is requested, the display will show "Radio code" for about 2 seconds followed by four dashes "----".

The password is made up of four numbers from 1 to 6, each corresponding to one of the dashes.

To enter the first number, press the button corresponding to the preset stations (from 1 to 6). Enter the other code numbers in the same way.

If the four digits are not entered within 20 seconds, the display will show "Enter code ----". If this occurs, it is not considered an incorrect code entry.

After the fourth number is entered (within 20 seconds), the car radio will start to work.

If an incorrect code is entered, the radio will emit a sound and the display will show "Radio blocked/wait" to notify the user of the need to enter the correct code.

Each time the user enters an incorrect code, the waiting time will gradually increase (1 min, 2 min, 4 min, 8 min, 16 min, 30 min, 1h, 2h, 4h, 8h, 16h, 24h) up to a maximum of 24 hours. The waiting time will be shown on the display by "Radio blocked/wait". After the message disappears, the procedure of entering the code may be started again.

Code card

This is the document that certifies the ownership of the radio. The Code Card contains the model of the radio, the serial number and the password.

IMPORTANT Keep the Code Card somewhere safe so that the authorities can be supplied with the relevant information if the radio is stolen.



INTRODUCTION

When the radio is turned on the last function selected prior to switching off will come on: Radio, CD, CD MP3 or Media Player (only with Blue&Me™ or Blue&Me™ Nav).

To select the Radio function whilst listening to another audio source, press the FM AS or AM buttons briefly, depending on the band desired.

Once the Radio mode is activated, the display will show the name (RDS stations only) and the frequency of the radio station selected, the frequency band selected (e.g. FM1) and the preselection button number (e.g. P1).

FREQUENCY BAND SELECTION

With the Radio mode activated, press the FM AS or AM button briefly and repeatedly to select the desired reception band.

Each time the button is pressed the following bands are selected cyclically:

- Pressing the FMAS button: “FM1”, “FM2” or “FMA”;
- Pressing the AM button: , “MW” and “LW”.

Each band is highlighted by the name in the display. The last station selected on the respective frequency band will be tuned into.

The FM band is divided into the following sections: FM1, FM2 or “FMA”; the FMA reception band is reserved for broadcasters memorized automatically using the AutoStore function

PRESELECTION BUTTONS

The buttons numbered from 1 to 6 are used to set the following presets:

- 18 on the FM band FM (6 on FM1, 6 on FM2, 6 on FMT or “FMA” (on some versions));
- 6 on the MW band;
- 6 on the LW band;

To listen to a preset station, select the desired frequency band and then briefly press the corresponding preset button (from 1 to 6).

By pressing the preset button for more than 2 seconds, the tuned station will be stored. The storing will be confirmed by an acoustic signal.

STORING THE LAST STATION LISTENED TO

The radio automatically stores the last station listened to on each reception band and it is tuned into when the radio is turned on or when the reception band is changed.

AUTOMATIC TUNING

Briefly press the ◀ or ▶ button to start the automatic tuning search for the next station that can be received in the selected direction.

If the ◀ or ▶ button is pressed for longer, the rapid search is launched. When the button is released, the tuning will stop at the next station that can be received.

If the TA function (traffic information) is on, the tuner will only search for stations that broadcast traffic updates.

MANUAL TUNING

This allows the manual search for stations on the preselected band.

Select the desired frequency band and then press briefly and repeatedly the ▲ or ▼ button repeatedly to start the search in the desired direction.

If the ▲ or ▼ button is pressed longer, the fast search will start and then stop when the button is released.



AUTOSTORE FUNCTION

To activate the AutoStore function, keep the FM AS button pressed until the acoustic confirmation signal. With this function, the radio automatically stores the 6 stations with the strongest signal in a decreasing order on the FMA frequency band.

The word "Autostore" will flash in the display during the process. To interrupt the AutoStore function, press the FM AS button again. the radio will return to tuning into the station listened to before the function was activated.

When the AutoStore function is over, the radio automatically tunes into the first preselected station on the FMA band on the preselection 1 side.

The stations that have a strong signal at that moment are then automatically stored in the preselected band in the buttons numbered 1 to 6.

When the AutoStore function is activated on the MW or LW bands, the FMA band in which the function is being carried out is automatically selected.

IMPORTANT Sometimes the AutoStore function does not manage to find 6 stations with a strong signal. In this case, the strongest stations will be duplicated in the free preset buttons.

IMPORTANT When the AutoStore function is activated, the stations that were previously stored on the FMA band are deleted.

EMERGENCY ALARM RECEPTION

The radio can receive emergency announcements in RDS mode in exceptional circumstances where dangerous situations are threatened (earthquakes, floods, etc.) if these are being transmitted by the broadcaster tuned into.

This function is activated automatically and cannot be turned off.

The word Alarm will be shown in the display during the transmission of an emergency announcement. The volume of the radio will change during this announcement in the same way as during a traffic bulletin.

EON FUNCTION (Enhanced Other Network)

In some countries, there are circuits that group multiple broadcasters that transmit traffic information together. In this case, the programme of the station that is being listened to will be temporarily interrupted to:

- receive traffic information (only with the TA function activated);
- listen to regional transmissions each time these are broadcast by one of the broadcasters on the same circuit.

STEREOPHONIC BROADCASTERS

If the incoming signal is weak, the reproduction is automatically switched from Stereo to Mono.



INTRODUCTION

This chapter only contains descriptions of the variants to the operation of the CD player: as far as the operation of the radio is concerned, refer to the description in the “Functions and Adjustments” chapter.

CD PLAYER SELECTION

To activate the CD player built-into the equipment, proceed as follows:

- insert a CD with the equipment on: the first track will start playing;
- or
- if the CD is already inserted, press the CD button briefly to select the “CD” operating mode. the last track listened to will start playing.

The use of original CDs is recommended. If CD-R/RWs are used, we recommend using good quality media that are burned at the slowest speed possible.

CD LOADING/EJECTION

To load the CD, insert it gently into the slot to activate the motorised loading system, which will position it correctly.

The CD can be inserted with the radio off and the ignition key in the MAR position: in this case, however, the radio will remain off. When the radio is turned on, the last source listened to prior to switching off will be activated.

When a CD is inserted the display will show “CD-IN” and the words “CD Reading”. They will remain displayed for the entire time required for the radio to read the CD. When this time has elapsed the radio will automatically start playing the first track.

Press the ▲ button, with the radio on to activate the motorized ejection of the CD. After the ejection, the last audio source listened to before the playing of the CD will be heard.

If the CD is not removed from the radio, it will automatically be reloaded about 20 seconds later and the Tuner mode will be tuned into (Radio).

The CD cannot be ejected if the radio is off. If the ejected CD is reloaded without having removed it completely from the slot, the radio will not change the source to CD.

Possible error messages

If the CD loaded cannot be read (e.g. a CD ROM has been inserted or the CD is inserted the wrong way round or there is reading error) the display will show the words "CD Disc error".

Later on, the CD will be ejected and the audio source activated prior to the CD mode selection will be heard.

With an outside audio source activated (TA, ALARM or Phone), the CD that cannot be read will be not be ejected until these functions are over. At the end, with the CD mode activated, the display will show the words "CD Disc error" for a few seconds and then the CD will be ejected.

DISPLAY INFORMATION

When the CD player is working, the display will show information which has the following meaning:

- "CD Track 5": indicates the CD track number;
- "03:42": indicates the time elapsed since the start of the track (if the relevant Menu function is activated).



TRACK SELECTION (forward/backward)

Briefly press the ◀ button to play the previous CD track and the ▶ button to play the next track. Track selection is done cyclically: after the last track, the first track is selected and viceversa.

If the playing of the track has started more than 3 seconds ago, by pressing the ◀ button the track will be played again from the beginning. In this case, if you wish to play the previous track, press the button twice.

TRACK FAST FORWARD/ REWIND

Keep the ▶ button pressed to fast forward the track selected at high speed and keep the ◀ button pressed to wind the track back quickly. The fast forward/rewind function is interrupted once the button is released.

PAUSE FUNCTION

To pause the CD player press the ⏸ button. The words "CD Pause" will appear on the display.

To resume listening to the track press the button ⏸ again.

The pause function will be deactivated when selecting another audio source.

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INTRODUCTION

This chapter only contains descriptions of the variants to the operation of the CD MP3 player: as far as the operation of the radio is concerned, refer to the description in chapter "4" and "6".

NOTE MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.

MP3 MODE

In addition to playing normal audio CDs, the radio is also capable of playing CD-ROMs on which MP3 format compressed audio files are recorded. The radio works according to the methods described in chapter "5" when an ordinary audio CD is inserted.

The use of good quality supports burnt at the slowest possible speeds is recommended for optimum quality.

The files on the CD MP3 are in folders, with sequential lists of all the folders containing MP3 tracks (folders and sub-folders are all on the same level) and folders that do not contain MP3 tracks cannot be selected.

The operating conditions and specifications for playing MP3 files are as follows:

- the CD-ROMs used should be burnt in accordance with ISO9660 Specification;
- the music files should have extension ".mp3": files with other extensions cannot be played;
- the sampling frequency range that can be reproduced is: 44.1 kHz, stereo (96 to 320 kbit/s) - 22.05 kHz, mono or stereo (32 to 80 kbit/s);
- tracks with variable bit-rates can be reproduced.

IMPORTANT Track names must not contain the following characters: spaces, ' (apostrophes), (e) (open and close brackets). When a CD MP3 is being burned, make sure that the file names do not contain these characters; otherwise, the car radio will not be able to play those tracks.

DISPLAY INFORMATION

ID3-tag information display

In addition to the information relating to the time elapsed, the name of the folder and the name of the file, the radio is also capable of display ID3-TAG information relating to the Title track, Artist and Author.

The name of the MP3 folder shown on the display corresponds to the name with which the folder was stored on the CD, followed by an asterisk.

Example of a complete MP3 folder name: BEST OF *.

If you wish to display one of the ID3-TAG pieces of information (Title, Artist, Album) and this information has not been recorded for the track played, the information will be replaced by information relating to the name of the file.

SELECTION OF MP3 SESSIONS WITH HYBRID DISCS

If a hybrid disc is loaded (Mixed Mode, Enhanced, CD-Extra) also containing MP3 files, the radio automatically starts to play the audio session. It is possible to move to the MP3 session whilst playing, by keeping the MEDIA button pressed for more than 2 seconds.

IMPORTANT When this function is activated, the radio may take a few seconds to start playing. Whilst it is checking the disc the words "CD READING" will appear on the display. If not MP3 files are detected, the radio will start playing the audio session from the point where it was interrupted.

SELECTION OF NEXT/PREVIOUS FOLDER

Press the ▲ button to select the next folder or the ▼ button to select the previous folder. The display will show the number and the name of the folder (e.g. "DIR 2 XXXXXX").

XXXXXX: name of the folder (the display will only show the first 8 characters).

Folder selection is done cyclically: after the last folder, the first folder is selected and viceversa.

If no other folder/track is selected in the next 2 seconds, the first track in the new folder will be played.

If the last track on the folder currently selected is being played, the next folder will be played.

FOLDERS STRUCTURE

The radio with MP3 player:

- recognizes the folders that effectively contain MP3 format files
- if the MP3 files on a CD-ROM are structured in "sub-folders", their structure is compressed to a single level structure where the "sub-folders" lead to the level of the main folders.



TROUBLESHOOTING

GENERAL

Sound volume low

The Fader function should be adjusted to "F" (front) values to prevent the reduction in radio output power and the cancelling of the volume if the Fader level adjustment is R+9.

Source cannot be selected

Nothing has been loaded. Load the CD or CD MP3 to be played.

CD PLAYER

The CD does not play

The CD is dirty. Clean the CD.

The CD is scratched. Try to use another CD.

The CD cannot be loaded.

A CD is already loaded. Press the ▲ button and remove the CD.

MP3 FILE READING

Skips tracks whilst playing MP3 files.

The CD is scratched or dirty. Clean the CD with reference to the description in the CD paragraph in chapter "1".

The duration of the MP3 tracks is not correctly displayed

In some cases (due to the recording mode) the duration of the MP3 tracks may be displayed incorrectly.





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