



**FIAT  
DUCATO**

**SOUND SYSTEM**

# SOUND SYSTEM WITH CD PLAYER

## GENERAL FEATURES

The sound system has the following functions:

### RADIO SECTION

- PLL tuning in the FM/MW/LW bands
- RDS (Radio Data System) with TA (traffic announcement) - PTY (Program Type) - EON (Enhanced Other Network) - REG (Regional program) functions
- RDS (Radio Data System) alternative frequency tuning (AF function)
- Emergency alarm reception setup
- Automatic/manual station tuning
- Manual storage of 30 stations: 18 in FM band (6 in FM1, 6 in FM2 and 6 in FM3) and 6 in MW band and 6 in the LW band

- Automatic storage (AUTOSTORE function) of 6 stations in the FMT band
- SENS DX/LO function (adjustable sensitivity in radio station searches)
- Scan function (scanning the stored stations)
- Automatic Stereo/Mono selection.

### CD SECTION

- Track selection (last/next)
- Fast forward and fast backward
- Repeat function (repeat last track)
- Scan function (scan tracks on CD)

- Mix function (random track playback)
- TPM function (store CD track sequence)
- CLR function (clear CD track sequence).



#### WARNING

**Multimedia CDs contain sound and data tracks. Playing these CDs can cause noise loud enough to jeopardise road safety and damage final system stages and speakers.**

## AUDIO SECTION

- Pause function
- Loudness function
- Graphic seven band equaliser
- Separate bass/treble settings
- Right/left and front/rear channel balance.

## PRECAUTIONS

A film of moisture may form on the CD and optical components of the CD player if it is very cold inside the vehicle and the CD player used soon after switching the heating on. Sound quality could be compromised. In this case, wait for at least one hour before using the CD player. The condense will disappear naturally and normal operation will be restored.

The CD player may skip when driving on rough roads causing considerable vibrations.

## ANTITHEFT PROTECTION

The protection system implements a data exchange function between the sound system and the vehicle's electronic control unit (Body Computer).

This system ensures maximum security and overcomes the need to enter the secret code each time the sound system power is disconnected. An automatic check procedure is run after each reconnection during which the message "**CANCHECK**" will appear on the display for approximately one second.

The sound system will start working if the results of the procedure are OK. On the other hand, if the sound system is connected to the vehicle for the first time or if the checked data is not the same, the device will prompt to enter the secret code as shown in the following paragraph.

The message "**CODE**" will appear on the display during the code entry procedure. The sound system will on-



ly start working once the correct code is entered.

The protection system makes the sound system useless if it removed from the dashboard.

**IMPORTANT** A secret code is provided in any case so that the sound system can be used in a different vehicle from the one it was originally fitted in. The code will allow you to use the radio in another Fiat vehicle even if the Body Computer is different.

## ENTERING THE ANTITHEFT CODE

You will need to enter the secret code to work the radio after it is connected for the first time to the vehicle's electrical system or to another Body Computer.

Connect the sound system to the vehicle's power supply. The message "**CODE**" will appear on the display for approximately two seconds followed by four dashes "- - - -".

The secret code consists of four digits from 1 to 6 each corresponding to one of the dashes.

Enter the first digit of the code by pressing the corresponding pre-set station button (from 1 to 6). Enter the remaining digits of the code in the same way.

The message "**CODE**" followed by the four dashes "- - - -" will appear on the display again if it takes you longer than 20 seconds to enter the four digits. This event is not considered wrong code entry by the system.

The sound system will start working after the fourth digit is entered.

A tone will be heard and the message "**CODE**" will appear on the display for two seconds followed by the four dashes "- - - -" if the code is wrong. This will indicate that you can enter the correct 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) to a maximum time of 24 hours each time you enter a wrong code.

The waiting time will be shown on the display along with the "**WAIT**" message. You can start the code entry procedure once the message disappears from the display.

## CODE CARD

The card certifies that you are the owner of the sound system. The card shows the model, serial number and secret code. The secret code is required to use the sound system in another Fiat vehicle with a different Body Computer from where it was originally fitted.

**IMPORTANT** Keep the Code Card in a safe place. You may need it to provide information on your sound system to the police if it is stolen.

# CONTROLS

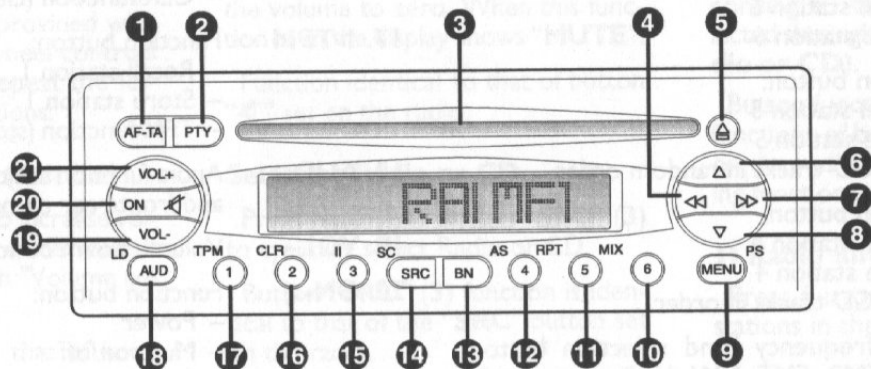


fig. I

## DESCRIPTION OF CONTROLS (fig.I).

- 1. AF-TA** Function button:
  - AF (alternative frequencies)
  - TA (traffic announcements)
- 2. PTY** Function button:
  - RDS PTY (RDS program type)
  - PTY program type topic selection in EON mode
- 3.** CD deck Disc

- 4. ◀** Audio functions, selected Menus and manual station tuning
- 5. ▲** CD eject button
- 6. ▲** Audio and automatic station search function selection button
- 7. ▶▶** Audio, selected menu and manual station tuning button
- 8. ▼** Audio functions, selected Menus and automatic station tuning

**9. MENU-PS** Menu and Scan function button (listening to stored stations in sequence)

**10. 6** Function button:  
– Recall station 6  
– Store station 6

**11. 5-MIX** Function button:  
– Recall station 5  
– Store station 5  
– Play CD tracks in random order

**12. 4-RPT** Function button:  
– Recall station 4  
– Store station 4  
– Play CD tracks in order

**13. BN-AS** Radio frequency band selection button (FM1, FM2, FMT, MW, LW) - Automatic station storage (Autostore)

**14. SRC-SC** Radio - CD selection and Scan function button (listen to stations in sequence)

**15. 3-II** Function button:  
– Recall station 3  
– Store station 3  
– Pause CD

**16. 2-CLR**

Function button:  
– Recall station 2  
– Store station 2  
– CLR function (clear CD track sequence)

**17. I-TPM**

Function button:  
– Recall station 1  
– Store station 1  
– TPM function (store CD track sequence)

**18. AUD**

Audio function button: bass, treble, right/left and front/rear channel balance

**19. VOL-**

Volume down button

**20. ON-**

Function button:  
– Power  
– Mute on/off

**21. VOL+**

Volume up button

# CONTROLS ON STEERING WHEEL

The sound system is provided with the optional steering wheel controls shown in **fig. 2** that repeat the following main radio functions:

## Volume adjustment (+ and -)

Press button “+” (4) to increase volume and button “-” (5) to decrease it as specified in paragraph “Volume adjustment”.

Function identical to that of knob “VOL” set on the radio.

## Mute function (⏏)

Press button “⏏” (6) to turn on/off this function that brings automatically the volume to zero. When this function is on the display shows “MUTE”.

Function identical to that of button “⏏” set on the radio.

## Selecting Radio or CD

Press repeatedly button “SRC” (3) to cyclically select Radio or CD.

Button “SRC” (3) function is identical to that of the “SRC” button set on the radio.

## Setting Radio or CD (▲ and ▼)

Buttons “▲” (1) and “▼” (2) implement three different functions according to the operating mode selected through button “SRC” (3) (Radio or CD).

Button functions are identical to the functions of buttons “▲” and “▼” set on the radio, as concerns the following functions.

### 1) Radio function: tuning

Press button “▲” or “▼” to select stations in the required band.

### 2) Compact Disc function: select CD next /previous track

Press “▲” briefly to play the next track on the CD or “▼” to play the previous track.

Hold the button pressed to select the track.

Press “▼” if the track has been playing for longer than three seconds to play the track again from the beginning. In this case, press the button twice to play the previous track.

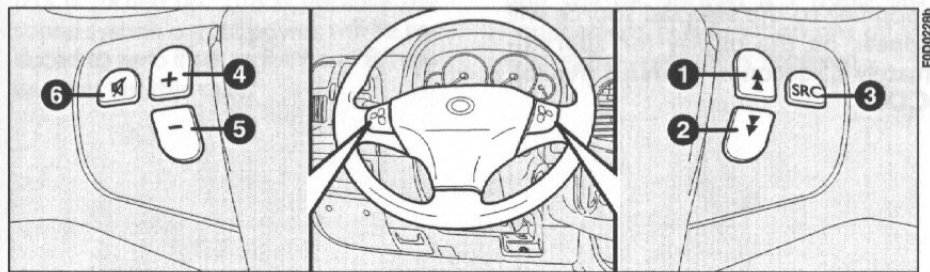


fig. 2

# FUNCTIONS AND SETTINGS

## TURNING THE SOUND SYSTEM ON

Hold **"ON" (20)** pressed to turn the sound system on. The radio will automatically come on if it was in used when the engine was stopped.

The sound system will automatically switch off after approximately 20 minutes if the key is at **STOP**.

The **"ON"** button is always lit with the key at **MAR** to facilitate turning the sound system on.

The sound system will resume the mode and settings in use before it was switched off, except for the volume which will be switched on at level 20 if the value was higher than 30.

## TURNING THE SOUND SYSTEM OFF

Hold **"ON" (20)** pressed to turn the sound system off.

The sound system will be automatically switched off when the key is turned to **STOP** and will automatically come on again when the key is turned to **MAR**.

## SELECT THE RADIO/CD FUNCTIONS

Press the **"SRC" (14)** button briefly and repeatedly to cyclically select the following functions:

- TUNER (Radio)
- CD (only if a CD is in the deck).

After each change, a message corresponding to the selected source will appear on the display for approximately 2.5 seconds: **TUNER** (Radio), **CD**.

The functions which cannot be selected (e.g. **"CD"** when there is no CD in the deck) will automatically be disabled. If there is no CD in the deck, the message **"NO CD"** will appear on the display for approximately 2.5 seconds when the **"SRC" (14)** button is pressed.

## PAUSE FUNCTION

If radio is selected while listening to a CD, playback will be interrupted and will start again from the same point when you switch back to CD mode.

If CD is selected while you are listening to the radio, the sound system will automatically tune to the last selected station when you switch back to radio mode.



## ADJUSTING THE VOLUME

Press **"VOL+"** (21) to turn the volume up or **"VOL-"** (19) to turn it down.

Press the button briefly to adjust in steps. Hold the button pressed to adjust the volume fast. The message **"VOL"** and the volume level (from 0 to 66) will appear on the display for several seconds.

If the volume is changed during a traffic announcement or a telephone call (with a free-hands kit fitted), the new setting will be kept only to the end of the announcement or call.

**IMPORTANT** In versions without rear speakers, check that the Fader function is set to **"F"** (front) if the volume remains low also when the control is turned up. This is because the sound system output power will be reduced to zero if set to R+9 on **"R"** value (rear) in this case.

## Mute function

Press **"M"** (20) briefly (for less than one second) to switch the Mute function on. The volume will be turned down gradually (Soft Mute function) and the message **"MUTE"** will appear on the display.

Press **"M"** (20) briefly again to switch the Mute function off. The volume will increase gradually (Soft Mute function) to return to the value set before the Mute function was switched on.

You can also deactivate the Mute function by pressing one of the volume buttons **"VOL+"** (21) or **"VOL-"** (19). In this way, you will also adjust the volume.

All the other functions will work as usual when Mute is on. The Mute function will be ignored if a traffic announcement (TA function on) or an emergency message is received.

## Soft Mute function

The volume will be gradually down or up when the Mute function is switched on or off (Soft Mute function). The Soft Mute function can also be switched on by pressing one of the six pre-set station buttons, **"BN"** (13) or **"ON"** (20).

## ADJUSTING THE TONE

Proceed as follows:

- Press **"AUD"** (18) briefly and repeatedly until either the message **"BASS"** or **"TREBLE"** appears on the display.

- Press **"▲"** (6) to turn the bass or treble up or **"▼"** (8) to turn the bass or treble down.

Press briefly to adjust in steps. Press longer to adjust faster.

The bass/treble settings (from –6 to +6) will appear on the display for a few seconds.

The sound system will return to the main display approximately five seconds after the last setting is made.

## ADJUSTING THE BALANCE

Proceed as follows:

- Press **"AUD"** (18) briefly and repeatedly until the message **"BALANCE"** appears on the display.

- Press **"▲"** (6) to enhance sound from the right-hand speakers or **"▼"** (8) to enhance the sound from the left-hand speakers.

Press briefly to adjust in steps. Press longer to adjust faster. The balance settings from R+9 to L+9 (**"R"** = right, **"L"** = left) will appear for a few seconds on the display. The sound system will return to the main display approximately five seconds after the last setting is made.

## ADJUSTING THE FADER

Proceed as follows:

- Press **"AUD"** (18) briefly and repeatedly until the message **"FADER"** appears on the display.

- Press **"▲"** (6) to enhance sound from the rear speakers or **"▼"** (8) to enhance the sound from the front speakers.

Press the button briefly to adjust in steps. Hold the button pressed to adjust the volume fast. The fader settings from R+9 to F+9 (**"R"** = rear, **"F"** = front) will appear for a few seconds on the display.

The sound system will return to the main display approximately five seconds after the last setting is made.

**IMPORTANT** In versions without rear speakers, set the fader function to "**F**" (front) values only. In this way, you will prevent reducing the sound system output power to zero, if fader level = R+9.

## LOUDNESS FUNCTION

The loudness functions enhances sound quality at low volume by increasing the bass and treble. The function will be cut out when the volume is set to maximum. Hold "**AUD**" (18) pressed until you hear a beep to switch the function on/off. The message "**LD ON**" or "**LD OFF**" will appear on the display for a few seconds according to whether the function is on or off.

## CELLULAR PHONE SET-UP

The sound system audio will be connected to the telephone input if a free-hands kit is fitted and a call is received. The telephone volume will be fixed but it can be adjusted during the conversation by means of "**VOL+**" (21) to turn the volume up or "**VOL-**" (19) to turn it down.

The fixed telephone volume can be set with the "**z PHONE**" function menu (see "MENUS" paragraph).

Only the following buttons can be used during a call:

- "**VOL+**" (21), "**VOL-**" (19): to adjust the volume
- "**ON**" (20): to switch the sound system on/off
- "**AF-TA**" (1): traffic announcements.

The message "**PHONE**" will appear on the display during the call when the sound is muted.

The telephone call sound will be interrupted if a traffic announcement or PTY31 announcement is received. Press "**AF-TA**" (1) to interrupt the announcement.

# RADIO

The last source in use (Radio or CD) when the sound system was switched off will be played.

Press **"SRC"** (14) briefly and repeatedly while listening to a CD to select Radio until the required function is selected.

## SELECTING THE FREQUENCY BAND

In Radio mode, press **"BN"** (13) briefly and repeatedly to select the required band.

Press the button to cyclically select the **"FMI"**, **"FM2"**, **"FMT"**, **"MW"** and **"LW"** bands as shown on the display.

The FM band is split into sections FMI, FM2 and FMT.

The FMT band is devoted to the stations automatically stored with the Autostore function.

The radio is always set to RDS (Radio Data System) mode reception.

## PRE-SET STATION BUTTONS

The buttons with symbols from 1 to 6 (**"17"**, **"16"**, **"15"**, **"12"**, **"11"**, **"10"**) can be used for the following settings:

- 18 in the FM band (6 in FMI, 6 in FM2, 6 in FMT)
- 6 in the MW band
- 6 in the LW band
- 6 PTY program types (FM mode only when PTY is selected).

To recall a pre-set station, select the required band and briefly press the respective pre-set station button (from 1 to 6) for less than one second.

The number of the pre-set station and the respective frequency will appear on the display for a few seconds followed by the frequency band and the RDS station name.

## STORING THE LAST TUNED STATION

The sound system automatically stores the last stations tuned to in each band and tunes to the station when the radio is switched on or the reception band is selected.



## AUTOMATIC TUNING

Press “▲” (6) or “▼” (8) briefly for less than one second to start automatically seeking the next station which can be received in the selected direction.

Hold “▲” (6) or “▼” (8) pressed for longer than one second to start a fast search. Tuning will stop for approximately one second (muting) before starting the search again as soon as a station can be clearly received. The tuner will stop at the next receivable station when the button is released.

When the TA function (traffic announcements) is on, the tuner will only seek stations broadcasting traffic announcements.

When the PTY function is on, the tuner will only seek PTY stations. The program type and the message “**SEARCH**” will alternate on the display during the search.

The pre-set station number will appear on the display for a few seconds when the radio tunes to a pre-set station.

## MANUAL TUNING

To manually seek the stations in the selected band.

- Select the band by means of “**BN**” (13): FM1, FM2, FMT, MW or LW.

- Press “◀” (4) or “▶” (7) briefly and repeatedly.

- Hold the button pressed longer (more than one second) to search fast. The search will stop as soon as the button is released.

Switch off the PTY and AF (alternative frequencies) functions for manual tuning.

The pre-set station number will appear on the display for a few seconds when the radio tunes to a pre-set station.

## SCANNING STATIONS

Hold “**SRC**” (14) pressed until you hear a beep to start scanning the stations in the selected band (FM, MW, LW). Each time a station is found, it will be played for a few seconds and the name and frequency will flash on the display. During the search, the message “**FM-SCAN**”, “**AM-SCAN**” or “**PTY-SCAN**” will appear on the display for a few seconds.

When the TA function (traffic announcements) is on, the tuner will only seek stations broadcasting traffic announcements. When the PTY function is on, the tuner will only seek PTY stations.

No other functions can be worked when the Scan function is on.

To listen to a station found during the scan, press “**SRC**” (14) again.

The scan function will be interrupted in the following cases:

- when the sound system is switched off
- when “**SRC**” (14) is pressed
- when “**▲**” (6) or “**▼**” (8) (manual or automatic tuning)
- when a pre-set station button is pressed
- when the Autostore function is switched on
- when the PTY function is switched on/off
- when the selected band is changed
- when “**AUD**” (18) is pressed
- when “**MENU**” (9) is pressed

– when a station broadcasting traffic announcements is found (with the TA function on)

– when a CD is inserted in the deck.

In any case, the search function will be switched off if not station is found.

## SCANNING PRE-SET STATIONS

Hold “**MENU**” (9) pressed to scan the pre-set station in the selected band:

- **FM**: FMI 1, FMI 2, ..., FMI 6, FMII 1, FMII 2, ... FMII 6, FMT 1, FMT 2, ..., FMT 6
- **MW**: MW 1, MW 2, ..., MW 6
- **LW**: LW 1, LW 2, ..., LW 6.

Each pre-set station will be played for a few seconds. The name and frequency will appear on the display if the signal intensity is adequate. The message “**SCAN**” will appear on the display for approximately two seconds when shifting from one station to another.

During the first two seconds when the pre-set station is being played, the current band and pre-set station button number will appear on the display.

When the TA function (traffic announcements) is on, the tuner will only seek stations broadcasting traffic announcements.

The pre-set station scan function will be interrupted in the following cases:

- when the sound system is switched off
- when “**BN**” (13) is pressed
- when “**▲**” (6) or “**▼**” (8) (manual or automatic tuning)

- when a pre-set station button is pressed

- when the Autostore function is switched on

- when the PTY function is switched on/off

- when the source is changed (CD)

- when the selected FM level or band is changed

- when **“AUD”** (18) is pressed

- when **“MENU”** (9) is pressed

- when a station broadcasting traffic announcements is found (with the TA function on)

- when a CD is inserted in the deck.

The sound system will return to the previous station if no pre-set station is selected.

## MANUAL STATION STORAGE

The station you are tuned to can be stored in the selected band by means of buttons (17), (16), (15), (12), (11), (10) numbered from 1 to 6.

Hold one of these buttons pressed (buttons from 1 to 6) until you hear a beep. After storing, the number of the button under which the station was stored will appear on the display.

## AUTOSTORE AUTOMATIC STATION STORAGE FUNCTION

Hold **“BN”** (13) pressed until you hear a beep to switch the Autostore function on. This function is used to automatically store the stations with the strongest signal in decreasing order of intensity in the FMT band.

**IMPORTANT** All stations previously stored in the FMT band will be cleared by the Autostore function.

When the TA (traffic announcement) function is on, only stations broadcasting traffic announcements will be stored. This function can also be activated while listening to a CD.

The message **“A-STORE”** will appear on the display during automatic storage. Press **“BN”** (13) again to stop the automatic storage process: the radio will tune to the station listened to before starting the Autostore function.

If the TA (traffic announcement) function is on and the station you are tuned to does not broadcast traffic announcements, you will hear a beep every 30 seconds.

At the end of the Autostore function, the radio will automatically tune to the first pre-set station in the FM1 band.

The stations with the strongest signals in that moment in the pre-set band are automatically stored under buttons (17), (16), (15), (12), (11), (10) from 1 to 6. After storing, the sound system will automatically tune to the frequency stored under button 1 (17).

Each station is stored once only with the exception of regional programs which in some cases can be stored twice.

The message "**A-STORE**" will appear on the display during the automatic storage procedure.

The sound system will perform as follows when the Autostore function is on:

- At the start of the Autostore function, all other functions will be disabled.

- Volume adjustments will not be shown on the display.

- The automatic storage process will be stopped if any radio function button is pressed (e.g. "**PTY**" (2), "**▶▶**" (7), "**◀◀**" (4), (17), (16), (15), (12), (11), (10). The last station before the Autostore function was started will be tuned to and the function associated to the pressed button will be run.

- The automatic storage process will be stopped if the "**AF-TA**" (1) button is pressed. The TA (traffic announcement) function will either be switched on or off and a new automatic storage process will be started.

- The Autostore function will not be stopped when the source is changed (Radio, CD) during the automatic storage process.

**IMPORTANT** In some cases, the Autostore function will not be able to find six stations with strong signals. In this case, the free pre-set station buttons will be shown on the display for approximately two seconds by four dashes and the last station tuned to will be played.

## LISTENING TO PRE-SET STATIONS

Proceed as follows:

- Select the required frequency band (FM, MW, LW).

- Press a pre-set station button (from 1 to 6) briefly.

The number corresponding to the button will appear on the display.

A station broadcasting the same program will be sought in the FM1, FM2 and FMT bands, if reception is not good and the AF alternative frequency function is on.



## AF ALTERNATIVE FREQUENCY SEARCH FUNCTION

The radio can work according to two strategies within the RDS system:

- **AF ON:** alternative frequency search on
- **AF OFF:** alternative frequency search off.

Either the following cases can occur when the signal of the RDS station tuned to becomes weak:

- **AF ON** mode, RDS system working, enabled stations: the sound system automatically tunes to the best frequency of the selected station. Consequently, the sound system will tune to the station with the strongest signal broadcasting the same program. This means that you will be able to continue listening to the station without changing the frequency when you change area. Obviously, the station must be picked up in the area you are travelling in.

– **AF OFF** mode, the sound system does not automatically tune to the strongest station and you will need to seek for it manually by means of the tuning buttons.

Hold **AF-TA** (I) pressed until you hear a beep to switch the **AF** function off for the selected station. The RDS station name (if available) will be shown on the display. The symbol **"AF"** will appear if the AF function is on.

The sound system will switch to the FM band if it is tuned to an AM band station and the **"AF-TA"** (I) button is pressed.

## TA TRAFFIC ANNOUNCEMENT FUNCTION

Some stations in the FM band (FM1, FM2 and FMT) broadcast traffic announcements. In this case, the message **"TP"** will appear on the display.

Press **"AF-TA"** (I) briefly for less than one second to switch the **TA** traffic announcement function on and off.

Consequently, the following message may appear on the display while listening to the radio:

– **TA** and **TP:** you are tuned to a station which broadcasts traffic announcements and the traffic announcement function is on

– **TP:** you are tuned to a station broadcasting traffic announcements but the traffic announcement function is not on

– **TA(\*):** the traffic information function is on but you are tuned to a station which does not broadcast traffic announcements

– **TA** and **TP** not on the display: you are tuned to a station which does not broadcast traffic announcements and the traffic announcement function is off.

(\*) If the **TA** traffic announcement function is on but the station you are tuned to does not broadcast traffic announcements, you will hear a beep every 30 seconds.

The **TA** (traffic announcement) function can be used to:

a) seek only the RDS stations in the FM band, which are enabled to broadcast traffic announcements

b) receive traffic announcements also if a CD is playing

c) receive traffic announcements at a pre-set volume also if the radio is all turned down.

Instructions for each of these conditions are shown below.

a) To receive stations enabled to broadcast traffic announcements:

- select the FM1, FM2 or FMT band
- press “**AF-TA**” (I) briefly for less than one second until the message “**TA**” appears.
- press tuning buttons “**▶▶**” (7) or “**◀◀**” (4).

Follow the storage procedure to store stations with the **TA** function on (see “Manual station storage”).

b) To receive traffic announcements while listening to a CD, tune to a station enabled to broadcast traffic announcements (**TP**) and switch the **TA** function on before putting a CD in the deck. Tape playback will be stopped when a traffic announcement is broadcast and will start again as soon as the message ends. The message “**INFO TRA**” will appear briefly when the traffic announcement starts and the last indication (frequency, etc.) will appear on the display.

If you want to receive traffic announcements and you are already listening to a CD, press “**AF-TA**” (I) briefly for less than one second. The radio will tune to the last station listened to in the FM band. The **TA** traffic announcement function will be switched on and traffic announcements will be played. An automatic search for an enabled station will start if the station tuned to does not broadcast traffic announcements.

To stop the traffic announcement message, press “**AF-TA**” (I) briefly for less than one second while listening to a message.

c) To receive traffic announcements when you are not listening to the radio:

- To switch the **TA** function on, press “**AF-TA**” (I) briefly for less than one second until the message “**TA**” appears on the display.
- Tune to a station enabled to broadcast traffic announcements until the message “**TP**” appears on the display.

- Turn the volume down by holding **“VOL-” (19)** pressed.

In this way, traffic announcements broadcast by the station will be played at a pre-set volume.

**IMPORTANT** In certain countries, some radio stations may not broadcast traffic announcements although the **TP** function is on (message **“TP”** on the display).

The radio will tune to the most recent station in the FM band if the **“AF-TA” (1)** button is pressed when the radio is tuned to the AM band. The radio will automatically search for an enabled station if the station tuned to does not broadcast traffic announcements (message **“TP”** not on the display).

The volume of the traffic announcements varies according to the listening volume:

- listening volume lower than 30: traffic announcement volume equal to 20 (fixed value)

- listening volume higher than 30: traffic announcement volume equal to listening volume + 1.

If the volume changes during a traffic announcement, the value is not shown on the display and the new value is kept only for the traffic announcement in progress.

You can work the audio setting function during a traffic announcements by means of the **“AUD” (18)** buttons. The new settings will be kept also at the end of the announcements.

**IMPORTANT** After approximately one minute that the **TA** traffic announcement function is on and the station tuned to is either not enabled to broadcast traffic announcements or no longer able to broadcast announcements (message **“TP”** does not appear on the display), the sound system will:

- automatically seek a station enabled to broadcast traffic announcements if you are listening to a CD

- output a beep to inform you that traffic announcements can no longer be received if you are listening to the radio. To stop the beep, either tune to a station enabled to broadcast traffic announcements or switch the **TA** function off.

## EMERGENCY ALARM RECEPTION

The sound system is set-up to receive emergency announcements in RDS mode in case of general dangerous events (earthquakes, floods, etc.) if these announcements are broadcast by the station you are tuned to.

This function is switched on automatically and cannot be switched off.

## PTY PROGRAM TYPE FUNCTION (SELECTING A PROGRAM TYPE)

Press "**PTY**" (2) briefly until the message "**PTY**" followed by the topic of the last station tuned to (e.g. "**NEWS**") appears on the display to each the PTY function on. This function will give priority to PTY programs (where present). These programs may include emergency messages and various topics (e.g. music, news).

**IMPORTANT** The radio must be tuned to the FM band to switch the PTY function on.

The message "**NO-PTY**" will appear on the display for five seconds if the station does not broadcast in PTY mode.

The station name or frequency will appear after two seconds.

The list of topics includes the following:

- **NEWS** (News)
- **AFFAIRS** (Current affairs)
- **INFO** (Information)
- **SPORT** (Sports)
- **EDUCATE** (Educational programs)
- **DRAMA** (Drama)
- **CULTURE** (Cultural programs)
- **SCIENCE** (Scientific programs)
- **VARIED** (Various programs)
- **POP M** (Pop music)
- **ROCK M** (Rock music)
- **M, O, R, M** (Middle of the road music)
- **LIGHT M** (Light music)
- **CLASSICS** (Classical music)
- **OTHER M** (Other music)

Press "**◀◀**" (4), "**▶▶**" (7) or one of the six pre-set station buttons to change the PTY program type. Press "**◀◀**" (4) or "**▶▶**" (7) to display the current program type if the station frequency or name appears on the display.

Press the pre-set station button for longer than one second to store the current program type under one of the six pre-set buttons. You will hear a confirmation beep. See the paragraphs "Automatic tuning" and "Scanning stations (Scan function)" for how to seek a station with this program **TA** type.

A beep will be heard if no station broadcasting the selected program type is found. The radio will tune to the previous station and the message "**NO-PTY**" will appear on the display for approximately two seconds.

Press "**PTY**" (2) to switch the PTY function off.



## Checking the station PTY program type

Press **"PTY" (2)** until you hear a beep to find out the PTY program type of the station which you are tuned to. The program type (see paragraph above) of the current station will appear on the display after the beep. The message **"NO-PTY"** will appear on the display if no PTY code is associated to the station. After approximately five seconds, the station RDS name or frequency will appear on the display.

## EON (ENHANCED OTHER NETWORK) FUNCTION

In some countries, there are networks grouping several stations broadcasting traffic announcements. In this case, the program you are listening to will be interrupted to receive traffic announcements (only with the TA function on) whenever an announcement is broadcast by a station in the network.

## PROGRAM SCROLLING

You can receive and scroll different programs in the same network (FM band only) – e.g.: NDR1, NDR2, NDR3, NDR4, N-JOY...

Press **"AF-TA" (1)** briefly to switch the AF function on. Press **"▶▶" (7)** or **"◀◀" (4)** to start scrolling.

**IMPORTANT** You must have tuned to the station at least once before.

## STEREO STATIONS

Reception will automatically be switched from Stereo to Mono if the signal is weak.

# MENUS

## "MENU" (9) BUTTON FUNCTIONS

Press **"MENU" (9)** briefly for less than one second to switch the Menu function. The message **"MENU"** will appear on the display.

Press **"▲" (6)** or **"▼" (8)** to scroll the Menu functions. Press **"▶▶" (7)** or **"◀◀" (4)** to switch the selected function on and off.

The current status of the selected function will appear on the display.

The functions managed by the Menu are:

- **EQ SET** (Equaliser settings, only if an equaliser is fitted)
- **PRESET/USER/CLASSIC/ROCK/ JAZZ** (Equaliser pre-setting selection and on/off)
- **HICUT** (Treble reduction)
- **PHONE** (Telephone volume, if fitted)

– **CD NAME** (Assigning names to CDs, only if CD is inserted in desk)

– **SVC** (Automatic volume adjustment according to speed)

– **SENS DX/LO** (Tuning sensitivity).

– **CD** (CD display settings)

– **REG** (Regional programs)

Press **"MENU"** (9) again to quit the Menu function.

## SWITCHING THE EQUALISER ON AND OFF

The built-in equaliser can be switched on and off. The audio settings can only be changed by adjusting the bass (**"BASS"**) and the treble (**"TREBLE"**) when the equaliser function is off. Audio curves can be set when the function is on.

Press **"▲"** (6) or **"▼"** (8) to select **"PRESET"** to switch the function on and off.

Select an equaliser setting by pressing **"▲"** (6) or **"▼"** (8):

– **"USER"** (to set the seven user defined equaliser bands)

– **"CLASSIC"** (pre-set equaliser setting)

– **"ROCK"** (pre-set equaliser setting)

– **"JAZZ"** (pre-set equaliser setting).

Select the last setting in the menu with **"▲"** (6) or **"▼"** (8) and change with **"▶▶"** (7) or **"◀◀"** (4).

The message **"EQ"** will appear on the display when one of the equaliser settings is on.

## EQUALISER SETTINGS (only when the equaliser is on)

To define a customised setting, select the **"USER"** function with **"▲"** (6) or **"▼"** (8). The message **"EQ SET"** will appear on the display.

To change the equaliser settings, press **"▶▶"** (7) or **"◀◀"** (4). A seven bar graph will appear on the display. Each bar shows a frequency either for the left or the right channel. Select the bar to be adjusted with **"▶▶"** (7) or **"◀◀"** (4). The selected bar will start flashing and can be adjusted by means of **"▲"** (6) or **"▼"** (8).

Press **"MENU"** (9) again to store the new settings. The message **"EQ SET"** will appear on the display.

## TREBLE REDUCTION FUNCTION (HICUT)

This function is used to dynamically reduce treble according to the transmitted signal. Press "**◀◀**" (4) or "**▶▶**" (7) to switch the function on and off.

The current status of the selected function will appear on the display.

- "**HICUT ON**": function on
- "**NO HICUT**": function off.

## TELEPHONE VOLUME ADJUSTMENT FUNCTION (PHONE)

This function is used to adjust (from 1 to 66) or cut out (OFF) the telephone volume.

Press "**◀◀**" (4) or "**▶▶**" (7) to switch the function on and off.

Press "**VOL+**" (21) or "**VOL-**" (19) to adjust the volume.

The current status of the selected function will appear on the display.

– "**PHONE 23**": function on and volume set to 23

– "**PHONE OFF**": function off.

## ASSIGNING A NAME TO A CD (CD NAME FUNCTION)

This function can only be selected when a CD is inserted in the deck. Press "**◀◀**" (4) or "**▶▶**" (7) to switch the function on. The message "**CD-NAME**" will appear on the display. If the CD has a name, the name will appear on the display. If on the contrary the CD does not have a name, eight dashes will appear on the display. The first stored name will appear if the name memory is full.

Press "**◀◀**" (4) or "**▶▶**" (7) to change a CD name or assign a new name to the CD. Press the buttons again to select the position of the character to be changed. Press "**▲**" (6) or "**▼**" (8) to select or edit the character.

Press "**MENU**" (9) again to store the name. The message "**CD-NAME**" will appear on the display.

To delete a name, switch the function on and press "**▲**" (6) or "**▼**" (8) to select the name to be deleted. Then hold "**MENU**" (9) pressed for approximately two seconds. A beep will be heard and the message "**ONE CLR**" will appear for approximately two seconds on the display. At this point you can start assigning a new name.

To clear all the names, switch the function on and hold "**MENU**" (9) pressed for approximately four seconds. You will hear two beeps and the message "**ALL CLR**" will appear for approximately two seconds on the display. At this point you can start assigning a new name.

– "**03:42**": indicating the time from the beginning of the track if the respective Menu function is on

– "**MADONNA**": indicating the name assigned to the CD

## ADJUSTING TUNER SENSITIVITY (SENS DX/LO)

This function is used to adjust the radio station automatic search sensitivity. Only the stations with optimal sensitivity will be sought when set to low sensitivity "**SENS LO**". All the stations will be sought when set to high sensitivity "**SENS DX**". Consequently, select low sensitivity "**SENS LO**" when you are travelling in an area where there are many stations to select only those with the strongest signal.

Press "**◀◀**" (4) or "**▶▶**" (7) to switch the function on and off. The current function status will appear on the display:

- "**SENS LO**": low sensitivity
- "**SENS DX**": high sensitivity.

## CD DATA DISPLAY FUNCTION

This function is used to define the information to be shown on the display when listening to a CD.

There are two possible settings:

- **TIME** (time from start of track)
- **NAME** (name assigned to the CD).

Select the "**CD**" function in the Menu by means of "**▲**" (6) or "**▼**" (8). The message "**CD-DISP**" will appear on the display. Use "**◀◀**" (4) or "**▶▶**" (7) to change the setting.

## REGIONAL PROGRAM RECEPTION FUNCTION (REG)

Some national stations broadcast different regional programs at certain hours of the day. This function is used to tune to local (regional) stations only. Use this function when you want to stay tuned to a regional program.

Press "**◀◀**" (4) or "**▶▶**" (7) to switch the function on and off.

The current status of the selected function will appear on the display.

- "**REG ON**": function on
- "**REG OFF**": function off.

When the function is off and you are tuned to a regional station, you will receive the new regional program when you change area.

**IMPORTANT** The sound system will automatically tune to the best frequency of the selected station when the function is off ("**REG OFF**") and the AF (alternative frequency) function is on.

## CD PLAYER

### SELECTING THE CD PLAYER

To switch on the CD player built-in to the sound system when there is already a CD in the deck, switch the sound system on and press "**SRC**" (14) briefly and repeated to select the "**CD**" mode. Insert a CD in the deck when the sound system is off to switch is on automatically.

### INSERTING/EJECTING THE CD

Insert the CD by sliding it delicately into the housing (3) so that the driven loading device can pick it up correctly.

Press "**▲**" (5) with the sound system on to eject the CD.

After ejecting the CD, the sound system will return to the source in used before the CD was played. The CD cannot be ejected if the sound system is off.

### ERROR MESSAGES

The message "**CD-ERROR**" will appear on the display for approximately two seconds if the CD cannot be read. The CD will then be ejected and the sound system will switch to the source in use before CD mode was selected.

### MESSAGES ON THE DISPLAY

The following messages may appear on the display when the CD play is working:

- "**T05**": indicating the CD track number
- "**03:42**": indicating the time from the beginning of the track (if the respective Menu function is on)
- "**MADONNA**": indicating the name assigned to the CD.



## SELECTING THE TRACK (PREVIOUS/NEXT)

Press “▲” (6) briefly to play the next track on the CD or “▼” (8) to play the previous track.

Hold the button pressed to select the track.

Press “▼” (8) if the track has been playing for longer than three seconds to play the track again from the beginning. In this case, press the button twice to play the previous track.

## TRACK FAST FORWARD AND FAST BACKWARD

Hold “▶▶” (7) pressed to fast forward the selected track. Hold “◀◀” (4) pressed to play the track fast backwards. Release the button to stop the function.

The CD name (where relevant) will be replaced by the CD time on the display during the function. The CD name will appear again after approximately two seconds.

## PAUSE FUNCTION

Press pre-set station button 3 (15) to pause the CD player. The message “CD-PAUSE” will appear on the display.

Press the pre-set station button 3 (15) again to resume playback.

## TRACK SCAN FUNCTION

The function is used to listen to all the tracks on a CD.

Hold “SRC” (14) pressed for longer than one second to play the first ten seconds of each track on the CD. During playback, the selected CD function (CD time) and the message “SCAN” will alternate on the display for approximately two seconds each. The Repeat and Mix functions will be switched off when the Scan function is on.

The track scanning order is illustrated below:

– from the last track played to the last track on the CD

– from the first track on the CD to the last track played before the scan function was started.

The scan function will be interrupted in the following cases:

– when the sound system is switched off

– when “SRC” (14) is pressed again to listen to the current track

– when either “▲” (6) or “▼” (8) is pressed (press both at the same time to skip the track)

– when a pre-set station button is pressed

- when the Autostore function is switched on

- when the PTY function is switched on/off

- when the source is changed

- when “**AUD**” (18) is pressed

- when the TA function is on and the station is broadcasting a traffic announcement

- when “**MENU**” (9) is pressed

Playback will resume from the last track played before the scan function was started if the scan is not stopped.

## REPEAT LAST TRACK (REPEAT FUNCTION)

Press pre-set station button 4 (12) briefly to repeat the previous track: the message “**RPT TRACK**” will appear on the display for approximately two seconds.

Press pre-set station button 4 (12) again to switch the repeat function off. The message “**RPT OFF**” will appear on the display for approximately two seconds. The message “**RPT**” will appear on the display when the function is on.

The function will be switched off when the source is changed.

**IMPORTANT** The Scan and Mix functions will be switched off when the repeat track function is on.

## RANDOM TRACK PLAYBACK (MIX FUNCTION)

Press pre-set station button 5 (11) to start playing the tracks on the CD in random order. A new track will be played and the message “**CD-MIX-ON**” will appear on the display for approximately two seconds. Press the pre-set station button 5 (11) again to switch the function off. The message “**CD-MIX-OFF**” will appear on the display for approximately two seconds.

The CD tracks will be played in random order when the function is only.

The function will be switched off when the source is changed.

**IMPORTANT** The Scan and Repeat functions will be switched off when the repeat track function is on.

## TPM FUNCTION (STORE CD TRACK SEQUENCE)

The TPM (Track Program Memory) function is used to store the CD track order to play them in the set order.

Press pre-set station button 1 (17) briefly for less than one second to switch the function on when listening to a CD. The message "**TPM**" will appear on the display when the function is on.

To store the tracks, select the track required, press the pre-set station button 1 (17) for approximately one second until you hear a beep. The message "**STORED**" will appear on the display. Repeat the procedure with the other tracks to be stored.

## CLR FUNCTION (CLEAR CD TRACK SEQUENCE)

The CLR (Clear) function is used to clear one or all the tracks stored with the TPM function.

To delete a single track, select it with "**▲**" (6) or "**▼**" (8) when the TPM function is on then press pre-set station button 2 (16) for approximately two seconds. The TPM function will be switched off, you will hear a beep and the message "**TR CLR**" will appear on the display.

To clear all the tracks on a CD, switch the TPM function on, press pre-set station button 2 (16) for approximately four seconds. The TPM function will be switched off, two beeps will be heard after approximately two and four seconds and the message "**CD CLR**" will appear on the display.

# TECHNICAL INFORMATION

## SOUND SYSTEM

Max power: 4 X 40W

## PROTECTION FUSE

The sound system is equipped with a 10A protection fuse located at the back of the device. You will need to remove the sound system to reach the fuse. For this reason, have this done at a **Fiat Dealership**.

Fiat Auto S.p.A.

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