Introduction

This high-quality audio system, protected by a Security Code, consists of an audio section, a CD changer*, a display, a remote control unit (the satellite) and loudspeakers which are arranged and directed to provide optimum sound distribution in the vehicle.

Important

- After a break in the power supply (battery disconnected, supply cable cut, etc.), if your radio is in coded mode you must enter the Security Code to be able to use it again (see 'Entering the code' under 'Security Code').
- For safety reasons you are advised not to make adjustments to the set when driving except for those that can be made using the satellite.

Security Code

As a means of deterrence, your set is delivered to you in coded mode. The Security Code system enables you to 'lock' the set electronically whenever the power supply is cut off (battery disconnected, fuse blown, etc.). The set will then stay silent. To make it operational you must enter the confidential code (4-digit number) of which you are the sole holder.

The Security Code is given to you by the supplying Mack Trucks dealer. He has a secure record of this code. Keep a safe note of the code. If you should ever lose it, contact the supplying Mack Trucks dealer.

Entering the code (after a break in the power supply)

1. Press the POWER key ⦿ to switch on the set. **'CODE'** and then **'0000'** will appear in the display.
2. Adjust the flashing digit with the thumbwheel on the satellite.
3. Press the ▄▃⁺ (the lower key) on the satellite to confirm the digit and move onto the next.
4. When complete press the ▄▃⁺ key until you hear a bleep to validate the code.

Example

You want to enter the code 1352.

a Turn the thumbwheel until you see 1.
  Press ▄▃⁺.
b Turn the thumbwheel until you see 3.
  Press ▄▃⁺.
c Turn the thumbwheel until you see 5.
  Press ▄▃⁺.
d Turn the thumbwheel until you see 2.
  Press ▄▃⁺.
  Press ▄▃⁺ until you hear a bleep.

* Depending on version.

Note: If your vehicle is not fitted with a satellite, the security code must be entered by the keyboard.

Hot to proceed for entering the security code by the keyboard '0000' is displayed and the first digit is blinking.

1. Press key ① of the keyboard until you reach the right number for the first digit.

2. Press key ② the second digit is now blinking.

3. Press key ② until you reach the right number for the second digit.

4. Press key ③ the third digit is now blinking.

5. Press key ③ until you reach the right number for the third digit.

6. Press key ④ the forth digit is now blinking.

7. Press key ④ until you reach the right number for the forth digit.

When the complete code is correctly displayed press longly key ⑤ of the keyboard for entering the security code in the radio; you hear a validation bleep.

The very first time you enter the security code, the radio parameters have to be set. When the security code has be accepted, the radio displays 'OTHERS' (that means Europe, standard CCIR).

- With ◯) or (◯ or the thumbwhell of the satellite you can display the geographical area: OTHERS, AMERICA, JAPAN, ASIA, ARABIA.

- Select the correct area in order to set the appropriate AM and FM bands of the tuner.

- Enter your selection by a long press on the key ⑤ of the radio or on the lower key of the satellite; you hear a validation bleep.

- The radio displays then the choice of the vehicle audio correction: 0, 1, 2, 3, 4 or 5. Select 0.

- Proced as for the geo-area.

  • For a vehicle with front loudspeakers = REAR OFF.
  • For a vehicle with front and rear loudspeakers = REAR ON.

- Then select rear loudspeakers REAR ON or REAR OFF.

- Proced as for geo-area.

- After this procedure, your radio plays normaly.

The following time you have to enter the code (in case of battery deconnexion) you have not to set again the radio, the radio plays normaly as soon as you have entered the correct security code.

Important

If the code entered is incorrect, an error bleep will sound and **'CODE'** will appear in the display. You may then re-enter the code following the method described previously, but to do that you must leave the set switched on and wait for one minute before recommencing the operation. If this new attempt is unsuccessful you can repeat the operation, still keeping the set switched on, but the amount of time between each operation (in the event of errors) will increase successively from 1 to 2 to 4 to 8 to 16 to 32 minutes.

Basic Operation

Power ON/OFF Press the ⓞ key.

ON/OFF Logic

The radio can work without starting the vehicle.
In this case, it works 20 minutes, then a bleep alerts that it is going to switch off.
Press ON/OFF, and the radio will start for 20 minutes again, right after the blup.
Otherwise, it will switch off. You can always start it for 20 minutes again.

Audio

The radio will start again with the same volume as before (with a minimum volume of 7 and a maximum of 15).
Volume Press the ⊕ keys on the set or the ▽ and △ on the satellite.

The volume of the traffic information can be different from the normal listening and this difference can be saved (see p. 9 Traffic Announcement and News Announcement).
The radio is fited with an automatic thermic protection which reduce the audio volume in case of over heating of the radio.
To change the other sound settings:

1. Press ♫ to enter the sound menu.
2. Press ◁ or ▷ or ♫ on the set or turn the thumbwheel on the satellite to select an option:
   Bass .... (low notes)
   Treble .... (high notes)
   Balance .... (left-right)
   Fader (if activated in mode Expert) .... (rear-front)

Now EXIT is displayed, and automatic exit out of the audio setting is operated after 2 seconds.

3. Press the ⊕ keys on the set or the ▽ or △ keys on the satellite to change the chosen option.

The set leaves this menu automatically after 4 seconds.

Mute {PAUSE}

- Press the ⊠ key on the satellite to silence the set or ⊕ simultaneously on the satellite.
  Press again to cancel.
  Notes:
  In the tape/CD or CDC mode playback stops whilst 'mute' is engaged.
  These is no mute ⊠ if there is no satellite.

Source Change

- Press the ⓢ on the SOURCE ↺ key or ↺ SOURCE key on the satellite once or more than once to select the desired sound source.
  Radio - FM
  Cassette/CD* (if inserted)
  CD Changer (if available)
  Radio - AM

* Depending on version.

Radio

You are the owner of a Mack Trucks World Radio Receiver, a sophisticated multi-band radio enabling you access many frequencies and wave bands from all over the world.

Your radio is factory set for the country of purchase, however if you travel abroad with your vehicle to another continent it is advisable to reset your radio to that continents radio frequency range.

Caution: Before commencing with this sequence it is important to ensure that you have the preset code for your radio. If you do not, please ask your dealer to supply you with the code for your radio.
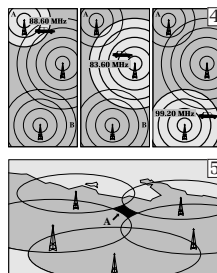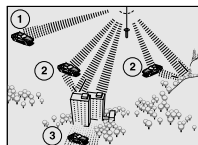
1. Turn off the set.
2. Press keys ② and ⑤ simultaneously, whilst pressing these keys switch on the set.

For 2 minutes, you will hear a bleep every 3 seconds. 'CODE' and then '0000' will appear in the display then follow the instructions of security code pages 1 and 2.

FM reception

All you need to know about FM.

Compared with your home FM installation, reception on the move involves some restricitions which have nothing to do with the quality of your vehicle audio equipment but are due to the nature of FM signals received in a moving vehicle.

1. Distance from the transmitter.
2. Reflection (multipath distortion).
3. Shadow effect.
4. Shadow zone (Valley/Tunnel).
5. Range of FM transmitters.

The RDS system

RDS (Radio Data System) is a system in which inaudible information is transmitted in addition to the normal FM radio signal. This radio uses the RDS information to offer you the following advantages:
- **Station name display:** When an RDS broadcast is received, the display indicates the name of the station instead of the frequency.
- **Information from other radio stations:** EON (Enhanced Other Networks) is an RDS service which links stations in a common network. If you are tuned to a station linked to others by the EON system, this set will enable you to receive traffic information from the station to which you are tuned **and** from the other stations in the network.
- **Emergency announcements:** In the case that the radio receives an emergency announcement, this will interrupt the cassette or the CD. During the message the display shows 'ALARM'.
- **Automatic retuning:** When the RDS function is activated, the set maintains the best possible reception. It continually checks a list of alternative frequencies broadcasting the same station and automatically selects the best frequency.

Select a Waveband

- Press the ⓢⓡⓒ or the ⓢⓞⓤⓡⓒⓔ key once or more than once to select the desired waveband.
  FM   Frequency Modulation
  AM   Amplitude Modulation AM = MW + LW

Note: AM an FM are considered as different source like cassette, CD player or CD changer.

Tuning to a station

There are 3 methods that are shown in the display which determine how you access a station on either waveband:

- **Man**   Activate a search up or down the frequencies until you reach the desired station.
- **Preset**   6 stations defined by you, after having activated a search and memorised on the keys 1-6.
- **List**   Searches and stores up to 50 stations so that they can be accessed in alphabetical order.

Search tuning – TUNER MANU

1. Press the ⬭ key on the set or the ◼⬤ key on the satellite once or more than once until you see **[TUNER MANU]** in the display.

2. Press either the ◁ or ▷ key on the set or turn the thumbwheel on the satellite to activate a search.
   The radio searches until it finds a station.
   If [TUNER MANU] is selected in the Expert menu then the search will advance in steps of 100 kHz at each key press on FM and 1kHz on AM. Keeping the key pressed speeds up the process.

Storing stations manually on the FM or AM wavebands

1. Select the desired waveband.
2. Search for a station manually, automatically or from the list as described under Search Tuning.
3. Press the number key you desire as a preset for at least 2 seconds until you hear a bleep.

Recalling manually stored presets TUNER PRESET

1. Select the desired waveband.
2. Directly press one of the keys 1-6 on the set or,
   Press the ⬭ key on the set or the [◼⬤] key on the satellite once or more than once until you see **[TUNER PRESET]** in the display then,
3. Press ◁ or ▷ on the set, or use the thumbwheel on the satellite to access the stations.

Storing stations alphabetically on the FM waveband - LIST

You can store up to 50 stations and scroll through them just like presets but in alphabetical order; this makes a station whose name you know easier to access.

1. Memorise the available stations by pressing the ⬭ key on the set or the ◼⬤ key on the satellite for at least 2 seconds until you hear a bleep.
   - **The display informs you that an update is taking place and the set is silent.**
   - **The set searches for all receivable stations and places them in alphabetical order.**
   - **If activated whilst on the AM waveband the stations are stored in frequency order.**
   - **The update may take some time depending on the amount of stations found.**
   - **When finished you hear the first stored station.**

   **Note:** You can start this function any time, no matter what you are listening to (tape/CD/CD changer).

2. Press ◁ or ▷ on the set, or use the thumbwheel on the satellite to access the stations.
   Note: Stations without RDS implementation are stored at the end of the alphabetical list.

Recalling an alphabetically stored station

When the alphabetical list is up to date (see above) you can access this station selection method as described below:

1. Briefly press the ⌨ key on the set or the ▬ on the satellite once or more than once until you see **[TUNER LIST]** in the display.
2. Press ◁ or ▷ on the set, or use the thumbwheel on the satellite to access the stations.
    If no stations are available (**NO LIST** is displayed) proceed as described under the section 'Storing stations alphabetically on the FM waveband'.

Traffic Announcements: TA mode

For countries with a Traffic Announcement system according to the RDS standard.
Once activated the set will interrupt whatever it is you are listening to with a station that is broadcasting a Traffic Announcement to give you the latest traffic information.

These announcements can originate from a station other than the one you are tuned to.

1. Briefly press the ⓘ key. If your radio is tuned to a Traffic Programme; a station that broadcasts Traffic Announcements you will see **[i TRAFFIC]** in the display. If not **[i TRAFFIC]** will flash in the display.
2. Press again to cancel.

News Announcements (i NEWS)

For countries with a PTY NEWS system according to the RDS standard.
Once activated the set will interrupt whatever it is you are listening to with a station that is broadcasting a News Announcement to give you the latest information.
These announcements can originate from a station other than the one you are tuned to.

1. Press the ⓘ key for at least two seconds until you hear a bleep.
    - You will see **[i NEWS]** in the display.
2. Press again, until you hear a bleep, to cancel.

Note: The RDS does not tell you if a station broadcasts NEWS or not. If there is no NEWS, the **[i NEWS]** will not flash in the display as the TA.

Skipping Traffic/ News Announcements

If you do not want to listen to an entire announcement you can leave it by briefly pressing the ⓘ key. This does not turn the function off.

Traffic or news announcements during cassette* or CD playback*

If you wish to hear traffic information while listening to a cassette or CD, activate the functions as described above.
The traffic message will then be heard instead of the cassette or the CD. The cassette or CD will continue playing when the traffic message has ended.
Note:
The last band selected must be an FM band.

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* Depending on version.

Cassette player*

Important

Avoid exposing cassettes to head or direct sunlight.

It is strongly advisable to only use cassettes of 60 or 90 minuts.

Use good quality cassettes, preferably of type chrome/metal, the display briefly shows CASS CR or CASS FER.

Remove the cassette after use to avoid possible tape damage.

Cassette playback

Insert the cassette into the cassette opening with the open side facing towards the right. Playback starts automatically. The direction in which the tape is playing is shown by one of the indicators ▭ or ▭.

If a cassette is already inserted, select the cassette mode with the ⊚ on the set or the SOURCE⤸ key on the satellite.

- Traffic information may interrupt cassette playback if the TA mode has been activated. (See 'Traffic/News Announcements').

Fast winding

Press one of the keys 《 or 》 corresponding to the direction required:

》 fast forward.

《 fast rewind.

When one of the keys is pressed the radio will be heard until the end of the fast forward or rewind. To stop fast forward or rewind press the other fast wind key (the one which is not pressed in).

Reversing the direction of play*
Press the two keys 《 and 》 simultaneously; the direction in which the tape is playing is indicated by ▭ or ▭.

Music Search System (MSS)*
The MSS system enables you to start playback from the start of the preceding or following passage on the cassette. The player searches for the silent intervals between two tracks on a cassette.
- The silent intervals must last for at least 4 seconds.
- Use cassettes that have a low noise level during the silent intervals.
- Recordings containing very quiet passages or intermittent pauses (conversation, news, etc.) may cause premature stoppages during the MSS search.

Activating / Deactivating MSS

1. Briefly press the MSS key (key ⊙) during cassette playback.
   - The 'MSS' indicator lights up.
2. Press the fast forward or rewind key required: 《 or 》.
   While the system is searching for the blank section, the radio is silent.
   The display shows 'MSS' and the direction of play, e.g. MSS.
   - Playback resumes at the next blank.
3. To deactivate briefly press key ⊙ again.
   - The 'MSS' indicator goes out, and normal operation of the 《 , 》 keys resumes.

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* Depending on version.

Dolby Noise Reduction ® B*

1. If a cassette has been recorded using the Dolby B NR system press key 1 (DOLBY logo) for optimum sound reproduction.
   - The display briefly shows 'DOLBY NR'.
2. To cancel the Dolby B NR system press key 1 again.
   - The display briefly shows 'NR OFF'.

Switching to radio/CD changer*

You can switch over to radio or the CD changer* with the keys: (SRC), or SOURCE⤸, without ejecting the cassette.

Ejecting the cassette

Eject the cassette by pressing the △ key.
- The set switches back to the radio.

Maintenance

Take care to prevent foreign bodies (e.g. cigarette ash) from entering the cassette opening. Dust may accumulate around the magnetic head after the cassette player has been used for a long time. This will have the effect of weakening the treble notes. In some extreme cases hardly anything may be heard from one or both channels. This can be remedied with a cleaning cassette, which is inserted and played in the same way as an ordinary cassette (use after every 50 hours of cassette playback).

® Dolby Noise Reduction manufactured under license from Dolby Laboratories Licensing Corporation. 'DOLBY' and the double-D symbol ▯▯ are trademarks of Dolby Laboratories Licensing Corporation.

* Depending on version.

CD player*

CD playback

- Slide the disc (with the printed side facing upwards) into the slot.
  Playback starts with track 1.
Or if there is a CD already inserted:
- Select the CD player with the (SRC) key on the set or the SOURCE key on the remote.
  Playback resumes from it last played position.

At the end of the disc, playback restarts.

Notes:
- Traffic information may interrupt CD playback if the TA mode has been activated. (See 'Traffic/News Announcements').
- If you hear a bleep:
Check that no damaged or soiled discs have been inserted.

Track selection

- Briefly press (or) on the set or turn the thumbwheel on the satellite to select the desired track:
Playback will resume from the selected track.

Fast Backward / forward

- Press and hold either the ( ) key to move quickly forwards through the disc or the ( ) key to move quickly backwards.
Playback will resume when the key is released.

Random playback

The tracks on the disc can be played in a random order.
- Press and hold key 1 ( ) on the set.
  The display shows, e.g. 'RD 3 CD'.
After all the tracks on the disc have been played, random playback continues.
- If you briefly press the ( ) key a track selected at random will be played.
- If you briefly press the ( ) key the track that has just been played will be recalled and replayed.
To resume normal playback, press and hold key 1 once again.
'TR ... CD' appears on the display once more.

Eject the disc

- To eject the disk, press the ● key.

Note:
The CD player read only the audio tracks.
If non-audio tracks are present in an audio CD they are not read even if the number of these tracks are shortly displayed followed by NO AUDIO.
If a non-audio disc is inserted in the radio, the disc is rejected and NO AUDIO is displayed.
CD player and CD changer accept only 12 cm diameter circular disks.

* Depending on version.

Handling discs

Avoid finger marks or the build up of dirt or dust on your discs. Scratched discs may result in the skipping of some sections.

If the surface of a compact disc is dirty you can clean it with a soft cloth; always rub from the centre outwards.

Never expose compact discs to heat or direct sunlight.

Do not insert damaged or warped discs into the CD changer.

Caution

This CD player is suitable for 12 cm discs.

Do not use unusually shaped or irregular sized CDs.

Note:

The CD changer read only the audio tracks.

If non-audio tracks are present in an audio CD they are not read.

Expert Mode

1. Press and hold the ⊙ on the set until you hear a bleep.
   The set goes silent.

2. Press ⊘ or ⊘ on the set or turn the thumbwheel on the satellite to select an option:

AF	ON/OFF
SPEED	0,1,2,3,4,5
LOUD	ON/OFF
TUNER	AUT/MAN
REAR - 2 or 4* 15W	ON/OFF
LIST MAN	The stored list does not change until you refresh the list.
LIST DYN	The list is automatically refreshed by addition with the tuned programs (under 5 seconds) and with deleting the unearable programs when 3 unsuccesfull attemptings tuning are performed.

3. Press the ⊕ keys on the set or the 🔲 or 🔲 keys on the satellite to change the option.

4. Press ⊙ to leave the mode and return to the previous source.

- **AF** (Alternative Frequency): with AF switched on, if the current frequency being listened to deteriorates the set will automatically switch to an alternative frequency (for the same program) should one be available. With AF switched off, it will stay on the same frequency even deteriorated. That means that the set won't switch an other frequency (in this case you won't have any small mute).
- **SPEED** (Speed Dependant Volume Control): this function is operating only if the tacho info of the vehicle is connected to the radio. This function is not available on the Medium Duty trucks.
- **LOUD** (Loudness): the loudness gives a dynamic physiological correction that strengthens the basses and the trebles under volume 15.
- **AUTOMATIC TUNER:** press the ⊘ or ⊘ button on the front or on the satellite to go the following or the previous station, in the order of the frequencies.
- **MANUEL TUNER:** press the ⊘ or ⊘ button on the front or on the satellite to raise or reduce **only** the frequency of 100 KHj.
- **REAR ON/OFF:** to activate or deactivate the rear speakers.

Note: If the initial configuration of the car had front speakers, if can configure your radio again.

Fault-finding

In the event of any difficulty, refer to the list of faults below before consulting your Renault dealer.

FAULT-FINDING	CAUSE	REMEDY
Nothing is working and the display does not light up.	- Set not switched on. - The radio fuse has blown.	- Switch on set. - Replace the fuse (See 'Fuses' in the operator's handbook).
Nothing is working but the display lights up.	The volume is set to minimum.	Press the ⊕ or ⊖ key.
Nothing is working but 'CODE' is displayed.	There has been a break in the power.	Enter the Security Code (see 'Security Code entering the code').
Nothing on the radio (or only hiss).	- Volume adjustment. - The aerial is not correctly positioned. - The vehicle is an FM shadow zone (no signal). - You have started an automatic search. - The antenna is damaged or not connected.	- Press the ⊕ or ⊖ key. - Reposition the aerial. - Drive to a zone where a station can be heard. - Wait for search to finish. - Replace damaged antenna. Check antenna connections, re-connect or replace antenna connections.
Nothing from the cassette or no treble notes.	- Volume adjustment. - Dirty playback head. - Poor quality cassette (tape does not run smoothly or autoreverse system functioning permanently). - Cassette warped (due, for example, to being exposed to the sun behind the windscreen). - Poorly recorded cassette.	- Press the ⊕ or ⊖ key. - Clean the head with a cleaning cassette. - Wind and rewind the cassette several times after tapping it flat on a hard flat surface. (Do not use C-120 cassettes). - Throw the cassette away. - Try a properly recorded cassette.
Nothing on the right or left-hand speaker on both radio and cassette.	Balance incorrectly adjusted.	Adjust correctly.
Nothing on the right or left-hand speaker during cassette playback only.	Dirty playback head.	Clean the head with a cleaning cassette.

FAULT-FINDING	CAUSE	REMEDY
Poor sound reproduction on radio and cassette.	Abnormal setting of bass and treble controls in relation to music listened to. Batteries run down.	- Correct the setting of the controls. - Consult your Mack Trucks dealer.
Poor radio reception.	- The aerial is not correctly positioned. - The vehicle is too far from the FM transmitter to which the radio is tuned or the vehicle is in a shadow zone or one where the signals are reflected (background noise and interference). - Reception is disturbed by interference from the engine. - No reception.	- Reposition the aerial (même inclinaison que le pare-brise). - Search for another transmitter whose signal is better received locally. - Consult your Mack Trucks dealer. - Consult your Mack Trucks dealer.

Glossary

AF	Alternative Frequency	Automatic re-tuning of a station via RDS (Radio Data Storage).
Autoreverse		Playback continues in the opposite direction at the end of a tape.
BASS		Level of low notes.
B	Balance	Balance between the right-hand and the left-hand speakers.
CASS	Cassette	Displayed during cassette playback.
CD		Compact Disc.
CHECK		Displayed during the check of the magazine in CD changer mode.
CODE		Security code.
CR	Chrome	Displayed when a chromium or metal cassette is inserted.
DOLBY		Dolby noise reduction for the cassette.
EON	Enhanced Other Networks	RDS service which links stations in a common network.
ERR	Error	An error has occurred in operation.
FAD		Fader Balance between the front and the rear speakers.
FER		Displayed when a normal cassette is inserted.
L	LW	LW Long Wave.
LOUD		Dynamic Loudness.
LMU		Source of the sound: radio, cassette*, CD* or CD changer*.
LOAD	Load	Displayed when a CD is being loaded in the CD Changer*.
M	MW	Medium Wave.
MSS	Musical Search System	Search for silent intervals between two tracks.
NEXT		Next track.
NO CD		Shows that there are no CDs loaded in the CD Changer magazine.
PREV		Previous track.
RD 2	Random	Displayed when the tracks on the disc are played in random order.
RDS	Radio Data System	Transmission of inaudible information.
REAR	Rear loudspeakers	Selects rear loudspeakers ON/OFF.
SEARCH		Displayed during an automatic search on MW.
SPEED	Speed Dependant Volume Control	Volume increases with car speed (0 = off, 5 = max).
SRC	Source	Source of the sound: radio, cassette*, CD* or CD changer*.
TREB	Treble	Level of high notes.
TA	Traffic Announcements	Mode that gives priority to traffic announcements.
TR 2	Track 2	Track 2 of the CD.
TRAFFIC		Displayed during a traffic announcement.
TUNE AUT/MAN	Tuner AUT/MAN	Selects automatic search or manual search in 100 KHz steps.
VOL 4		Volume of the set.

* Depending on version.