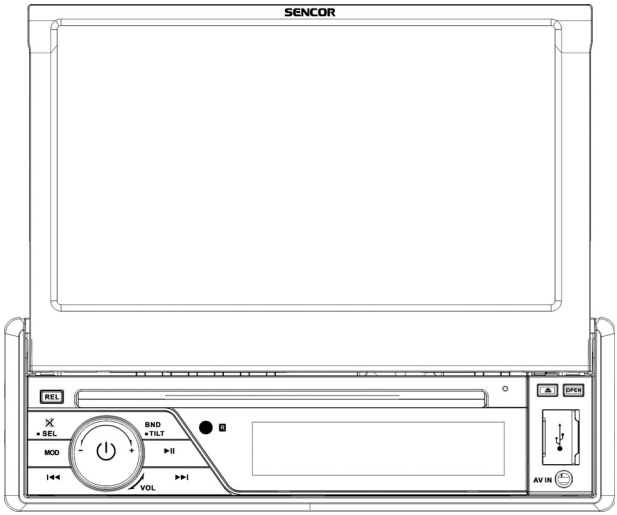
SENCOR®

SCD 9405DR



CAR RADIO WITH DVD/CD/MP3/MP4 PLAYER,
AM/FM RADIO WITH RDS RECEPTION AND SLIDE OUT 7" TOUCH MONITOR

EN

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Thank you for purchasing this product. Before installing, turning on and setting up the product, please read the entire user's manual even if you are already proficient in using similar products. This user's manual contains important information for safe and optimal use of all features and functions of the product. Pay special attention to instructions in the paragraph "Important safety instructions". Keep the user's manual in case of future need. The descriptions of the operation and use of the product in this user's manual serve solely as information for the user. In order for us to be able to offer products of the highest quality we reserve the right to make improvements and modifications without prior notice.

1. IMPORTANT SAFETY MEASURES

Please read and adhere to the following instructions!

Under no circumstances is the supplier of the device responsible for any direct or indirect damages resulting from not adhering to the following instructions.

ATTENTION:
THIS DEVICE USES A LASER SYSTEM. TO ENSURE THE CORRECT USE OF THE DEVICE, PLEASE CAREFULLY READ THIS USER'S MANUAL AND STORE IT FOR FUTURE USE. IF THE DEVICE REQUIRES REPAIRS, PLEASE CONTACT YOUR VENDOR OR A SERVICE CENTRE. TO PREVENT BEING EXPOSED TO THE EFFECTS OF A LASER BEAM, DO NOT OPEN THE CASE OF THE DEVICE. A VISIBLE LASER MAY BE EMITTED IF YOU OPEN THE CASE OR YOU VIOLATE THE BLOCKING PROTECTION. DO NOT LOOK INTO A LASER BEAM.

ATTENTION:
THIS DEVICE IS A CLASS 1 LASER PRODUCT. THE USE OF REMOTE CONTROLS OR MODIFICATIONS OR PERFORMING PROCEDURES DIFFERENT TO THOSE DESCRIBED HERE MAY RESULT IN EXPOSURE TO DANGEROUS RADIATION. THE LASER BEAM USED IN THIS DVD PLAYER IS DAMAGING TO THE EYES, SO DO NOT ATTEMPT TO DISASSEMBLE THE CASE. LEAVE ALL REPAIRS TO A QUALIFIED SERVICE CENTRE.

- To prevent injury by electrical shock, do not open the case of the device. The device does not include parts, which the user can repair themselves. Entrust all repairs and adjustments to an authorised service centre.
- Do not allow children to use or to play with the car radio – they are not able to identify the possible risks connected with the operation of electrical devices. Store the packaging material of the car radio (especially the plastic wrapping foils) out of children's reach – there is a risk of their suffocation.
- Do not expose the device to dripping or spraying water or another liquid. Do not under any circumstances pour any liquid onto or into the device. Do not place any containers filled with water or another liquid (e.g. cup or bottle) on the device or in its vicinity. Do not work with the product if you have wet hands. Do not use the device in a damp environment, near bodies of water, water reservoirs, etc.
- Learn how to use the car radio before using it. Do not use the car radio with the volume turned up high. Using the car radio with the volume turned up high may present a risk to you and other passengers in the vehicle. Set the volume of the radio so that you can follow what is happening around you. Do not set the volume of the car radio very high. Long-term use of the car radio set at a high volume presents a risk of permanent hearing damage. We recommend that all more complicated operations of the car radio are performed when the vehicle is not moving. Operation while driving the vehicle may lead to possibly dangerous situations.
- To increase the safety of the car radio user, some functions are enabled only when the hand brake is engaged. The car radio is installed in such a way that it recognises that the car has the hand brake engaged – any modifications to the wiring connections of the car radio that disable this function are dangerous and in some countries constitute an infringement of valid laws and regulations in force.
- Install the device in such a way that safe driving of the vehicle is ensured. To prevent accidents or infringing the law, never use the front video panel while driving. At the same time the video being played

back should be outside the attention range of the driver. In some countries the watching of videos, not only applicable to the driver, but also the passengers may constitute an infringement of valid laws and regulations in force. If this is the case, it is necessary to adhere to valid laws and regulations in force.

- Install the car radio and its accessories so that its operation does not interfere with the driving of the vehicle and so that in critical situations (e.g. during intensive braking) the safety of passengers is not put at risk.
- Do not manually close the monitor mechanism. You could damage the mechanism.
- The device uses a colour LCD – TFT screen. Handle the screen with care. Do not use sharp items to clean the screen - take care not to scratch it. To clean the screen we recommend the use of a soft cloth or a special cleaning cloth.
- Do not set the position of the screen by hand – there is a danger that this could damage the parts used to mechanically set the position of the screen.
- Limit the use of the car radio when the motor of the vehicle is off – this presents a risk of discharging the car battery and subsequent problems with starting the motor.
- Do not park the vehicle in direct sunlight for extended periods of time – risk of overheating and malfunction of the car radio. In such circumstances do not turn on the car radio immediately but rather wait several minutes until the temperature in the interior of the vehicle stabilises with the use of the car's air conditioning system.
- We recommend that you have your car radio installed by a specialised company.
- Before inserting the car radio into the installation opening in the vehicle's dash board, check that the car radio has been connected correctly.
- Only use the supplied or recommended accessories with the car radio. Unauthorised accessories may damage the device or the vehicle.
- When drilling or cutting out the opening into the car body necessary for the installation of the car radio, consult this procedure with a dealer of the car brand before commencing.
- The car radio is designed to be powered from the dashboard's 12V power supply with a grounded negative (minus) lead in the electrical installation of the vehicle. Be careful when installing the car radio into certain buses, trucks, construction machinery, caravans, etc. – some of these vehicles use a 24V power supply in the dashboard system - connecting the car radio to this voltage risks causing irreparable damage to it. The voltage of the vehicle's electrical system is documented in its technical certificate.
- Before installing the car radio or before making changes to the installation, disconnect the negative (minus) lead on the vehicle's battery.
- Read the user's manual for information about connecting the power supply.
- Secure the installed cables or cable bundles using insulting tape, cable clamps, etc., the protection of cables and winding insulating tape around them is necessary in locations where the cables pass through partitions in metal parts of the vehicle's body. The cables need protection especially in areas near moving parts of the vehicle (e.g. pedals).
- Also wind insulating tape around unused cables in cable bundles or unused loudspeaker cables.
- Do not install the cables near hot components. This risks damaging the cable insulation, electrical short circuit and a fire hazard.
- Take care to avoid short circuits of cables (between individual cable bundles or the vehicle's frame) – high short circuit currents may cause the vehicle to catch of fire.
- Under no circumstances should you connect the power supply of additionally installed appliances by removing insulation on a cable and attaching the appliance's power cable to an uninsulated cable. This risks overloading the system and subsequent burning of a fuse.
- When replacing a burnt fuse, use a fuse of the same size as the burnt fuse with the same current rating.
- Use high performance loudspeakers with a power output of at least 40 W and an impedance of 4 or 8 ohms. Using loudspeakers with a lower impedance risks damaging the loudspeaker coil, it may catch on fire and subsequently lead to its destruction. If loudspeakers with a level of impedance exceeding the specification here described are used, the car radio amplifier will not achieve the performance described in its documentation.
- After the car radio is turned on the voltage on terminal A5 (cable with blue insulation connected to terminal no. 5 of the ISO A connector) will be 12 V (max. 100mA), which can be used to control the relay of an electrically extended antenna or (if the vehicle is equipped with a wire antenna moulded in the windscreen) for powering an antenna preamplifier or for controlling a switch mode power supply relay (optional) of a high performance amplifier.

- Dirt and/or air humidity condensed on the player's sensor system may cause problems with the playback of discs, or block its function.
- Apart from round DVD video and CD audio discs with a diameter of 12 cm the player can playback round CD-R/RW discs with MP3, WMA, JPEG and other files – see paragraph Technical specifications in this user's manual. Depending on the used PC program (i.e. disc burning software) and the properties of the used recording media (disc) it is possible that it will not be possible to playback certain CD-R/RW discs. This situation does not indicate a malfunction of the player and occurs predominantly when playing recordings storeed on CD-RW discs.
- It is not possible to play disc types which are not specified in this user's manual.
- Do not use damaged (scratched, deformed) or dirty discs.
- The player displays ID3 tag texts (if they are recorded on the disc being played back).
- After the disc is inserted the player will commence playback with a certain time delay necessary for the evaluation of the disc contents by the player.
- After turning off the device, wait at least 10 seconds before turning it on again.
- If the device requires repairs or adjustment, always contact a qualified authorised service centre. If the device is exhibiting unusual behaviour, contact an authorised service centre.
- Due to the wide range of SD/MMC cards/USB devices available on the market, compatibility with all types of SD/MMC cards/USB devices cannot be ensured.

NOTE
- Dispose of flat batteries according to the laws in force in your country.
- All screens (OSD) and images will be based on the English version.
- The design and specifications contained in the user's manual may differ from the actual product.

Remote control and batteries

- Do not expose the remote control or the batteries to direct sunlight or sources of heat, such as heaters, heat exchangers, stoves or other appliances (including amplifiers) producing heat. Do not use or leave the device in the vicinity of an open fire.
- Neither the remote control nor the batteries may be exposed to dripping or running water and objects filled with water must not be placed on them, e.g. vases. Protect against exposure to rain, spraying or pouring of any kind of liquid. Do not use outdoors. Not following these instructions creates a danger of damage to the remote control or the battery.
- Do not use this device near water.
- It is necessary pay attention to the environmental impact aspects of battery disposal.
- The incorrect use of batteries may cause the leakage of the electrolyte and corrosion. To ensure that the remote control works correctly, proceed according to the instructions below:
- Do not insert the batteries in the wrong polarity orientation.
- Do not charge, heat, open or short circuit the batteries.
- Do not throw batteries into a fire.
- Do not leave discharged batteries in the remote control.
- Do not combine various types of batteries or new and old batteries.
- If you will not be using the remote control for a longer period of time, remove the batteries to prevent potential damage caused by a subsequent battery leakage.
- If the remote control is not working correctly or its operational range is reduced, change all batteries for new ones.
- If electrolyte leaks out from the batteries, have the remote control cleaned at an authorised service centre.

Appendix to LCD TV Instruction Manual

Precautions When Still Image is Displayed, Red/Blue/Green/Black spots on the screen
A still image may cause permanent damage to TV screen

- Do not display still image on the LCD panel for more than 2 hours as it can cause screen image retention. This image retention is known as "screen burn". To avoid such image retention, reduce the degree of brightness and contrast of the screen during still image watching.
- Similar "screen burn" effect can appear on the LCD panel due to still TV channel logo displaying.
- Watching TV in 4:3, 14:9 or similar modes which doesn't cover whole screen for long period of time may leave traces of borders displayed on the left, right or center of the screen caused by the difference of light emission on the screen. Playing a DVD or a game console can cause a similar effect to the screen.
- Displaying still images from video games and PC for longer than a certain period of time may produce partial after-images. To prevent this effect reduce the brightness and contrast when displaying still images.ikh
  Damage caused by above reasons is not covered by the Warranty!

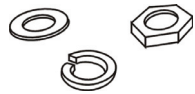
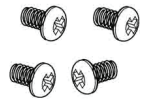
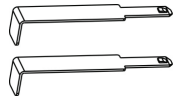
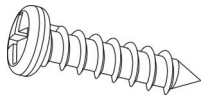
There may appear red spots, blue spots, green spots and black spots on the screen

- This is a characteristic of liquid crystal panels and is not a problem. The liquid crystal panels are built with very high precision technology giving you fine picture details. Occasionally a few non-active pixels may appear on the screen as fixed point of red, green, blue or black (up to 0.001% of total display pixels). Please note this doesn't affect the performance of your LCD TV.

2. BEFORE USING THE CAR RADIO

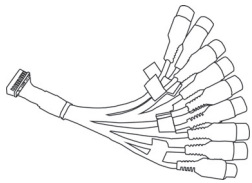
Unpacking and inspecting the accessories

Check whether the package includes the following items and accessories:

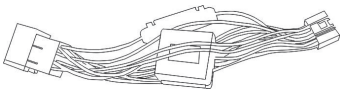
(1) Spring washer, washer, M5 nut	
(2) Mounting strap	
(3) Bolt	
(4) Screw 4*6	
(5) Mounting collar/sleeve	
(6) Keys used to pull the unit out of the sleeve	
(7) Screw 5*20	

Remote control

User's manual

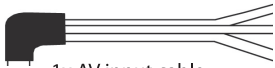


RCA cables



Power cord

Trim frame



1x AV input cable

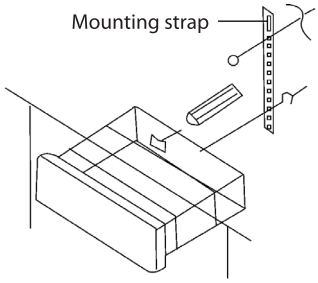
3. INSTALLATION/WIRING CONNECTION

Note
Before starting the installation of the device ensure, that the unit is correctly connected.
Only use parts supplied with the device to ensure correct installation.
The use of unauthorised parts may lead to a malfunction of the device.
Install the unit out of the line of sight of the driver and in such a place, where passengers are not injured in the event that it is necessary to brake in an emergency situation.

3.1 Installation

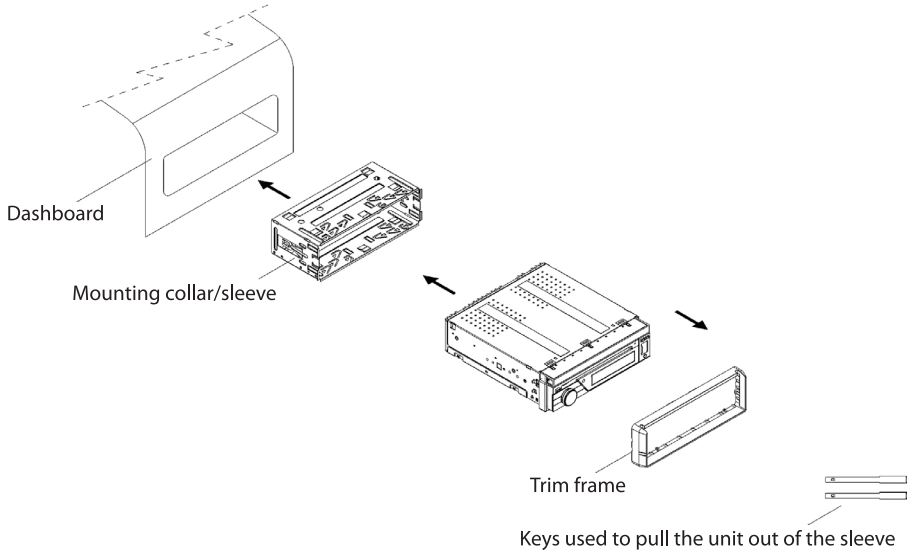
Insert half the sleeve into the hole in the dashboard and bend out the card holder for mounting - pic. 1.

Pic. 1



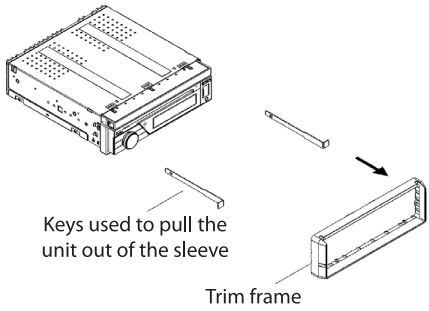
If necessary attach the mounting strap to the rear side of the unit and secure in place with the washer as shown in pic. 2. Slide the unit half way into the sleeve until you hear a click.

Pic. 2



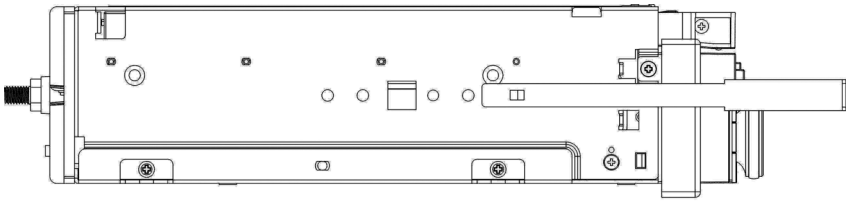
Slide on the trim frame on to the unit and the installation is complete - pic. 3. (some vehicle's may not require the trim frame).

Pic. 3

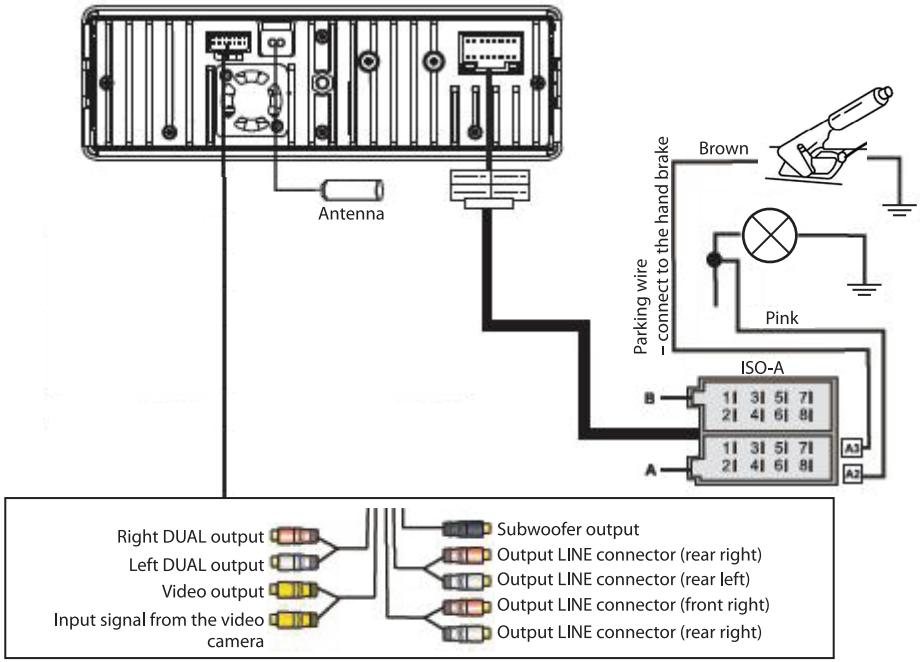


3.2 Removal

Insert the supplied keys into the unit, pull the unit out, keep the keys inserted in the unit. (see pic. 4)



3 3 Wiring connection



Connector ISO-B

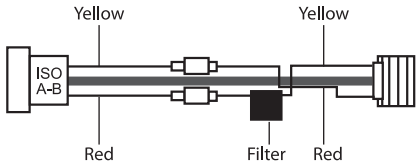
A2 pink - active in reverse gear. It switches the camera that monitors the area behind the vehicle.
A3 brown - wire designated as Driver Safety
A4 yellow (B+) - for connecting cables with a cross-section of at least 2.5 mm^2, which is permanently supplied with voltage from the vehicle's dashboard system (12 V). It may be used, for example, for backing up the car radio pre-settings.
A5 blue - active when the car radio is on and it is used to control the relay for controlling the electrically extended antenna or a power amplifier.
A6 orange - used to control the vehicle's dashboard backlight
A7 red - when the vehicle's ignition is turned on this terminal is supplied with voltage from the vehicle's dashboard system. If terminal no. A4 is connected to this terminal then the car radio pre-settings will be deleted when the vehicle's ignition is turned off.
A8 black - connected using a wire with a cross-section of at least 2.5 mm^2 to the frame of the vehicle.

Connector ISO-B

FRONT LOUDSPEAKERS
B3 right + grey
B4 right - grey/black
B5 left + white
B6 left - white/black

REAR LOUDSPEAKERS
B1 right + purple
B2 right - purple/black
B7 left + green
B8 left - green/black

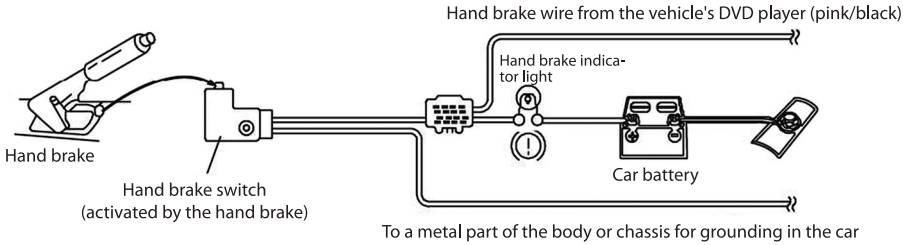
Note regarding the ISO-A connector
Depending on the car manufacturer it is possible to connect the connector terminals differently to what is indicated here. This is not a defect - you vehicle's manufacturer uses a different connection of terminals of this connector. To connect an ISO connector that is connected differently you may, for compatibility reasons, purchase together with the above mentioned ISO-A connector an adapter cable from a specialised vendor. If you have any questions related to the connection of ISO connectors, please contact a specialist.



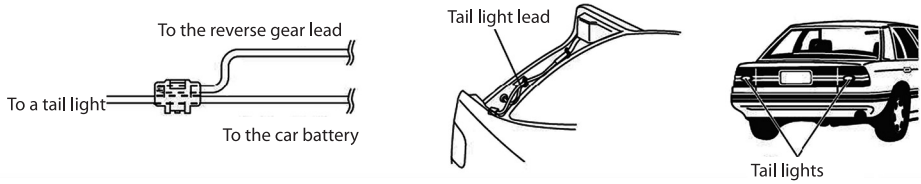
Notes:
- Never connect a cable to the system if battery power is connected. Every time that the device is disconnected from the battery, the data stored in memory is erased and the device returns to the default factory settings.
- If you wish to watch video, the wire from the DVD unit should be connected to the hand brake switch. Two cables are connected to the "hands-free" device (not included).

3.3.1 Activation of the parking wire

Note:
The wire is connected to the hand brake signal (switch); for safety the programs can be seen on the monitor after the vehicle's hand brake is engaged.



3.3.2 Connecting wires to the tail lights for reversing

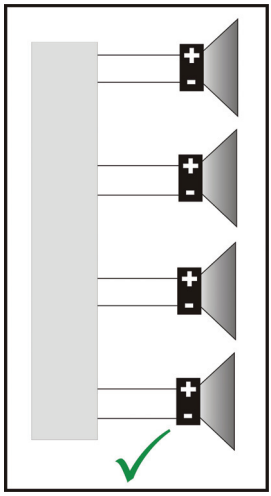


After it is connected, when reverse is put into gear the unit receives the image from the vehicle's rear view camera.

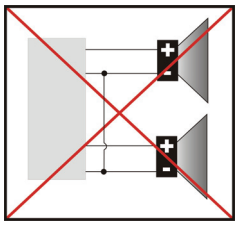
Notes:
- Only use loudspeakers without a grounding wire.
- Only use loudspeakers with a minimum power output of 40 W, if you use loudspeakers with a lower power output you may damage the loudspeakers when the volume is turned up to a higher level.
- Only use loudspeakers with an impedance of 4 to 8 Ω (ohm). The use of a higher or lower impedance may damage the device.
- Do not use loudspeakers with a triple-core cable connection and do not connect the minus lead from the loudspeaker to the car body (GND). The device uses a BTL circuit and each loudspeaker must be connected using an isolated cable according to the diagram.
- The loudspeaker cables and/or the external amplifier must be at least 30 cm away from the antenna and/ or from the part for the extension of the antenna.

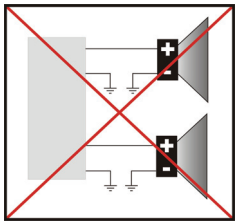
Connect the loudspeakers according to the following diagram. An incorrect connection may damage the device or the loudspeakers.

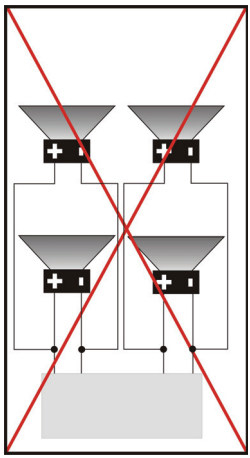
Correct connection
Front left - Front right | Rear left – Rear right



Incorrect connection

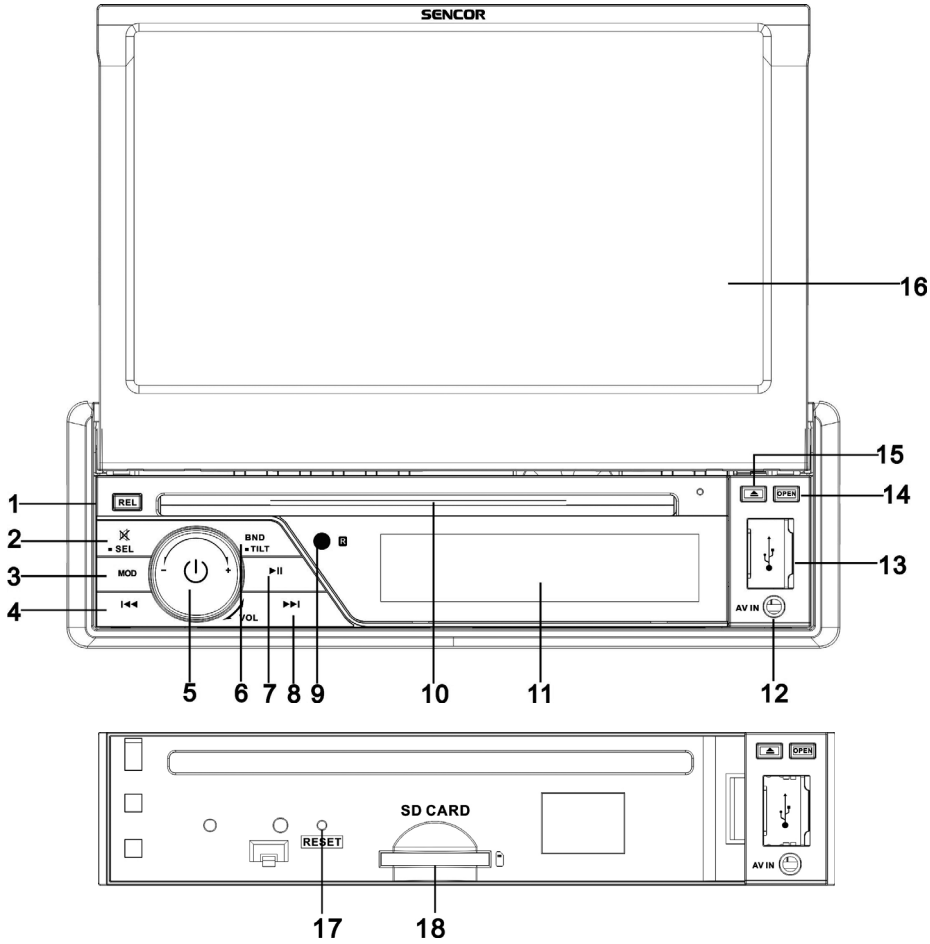






4. DESCRIPTION OF THE DEVICE

Front panel



1. Panel release button
Press the panel release button and detach the front panel. After removing the panel the device will turn off automatically after several seconds.
Detaching/attaching the panel: Press the REL button and pull out the left side to detach the panel. To attach the panel, first insert the right side and then the left side until you hear a click.

2. SEL/MUTE button
SEL: Hold down for a long time to display the **SOUND SETTING** menu (sound settings); EQ => BASS => TREBLE => BALANCE => FADER => EQ. Set the necessary sound level on the touch screen.
MUTE: Press it for a short time to mute the output volume (MUTE mode), press again to renew the output volume, if the device is turned on.

3. MODE button
Press this button to select a mode: RADIO, DISC (if a disc is inserted in the unit), USB (if a USB device is in the unit), CARD (if an SD/MMC card is in the unit) and AV IN jack (input).

4. Button ⏮
RADIO: In the radio mode press the ⏮ button to automatically search for stations. Press and hold the button for two seconds to start manual search. By pressing this button each frequency can be tuned independently incrementally going backwards.
DVD/SD/USB: In the DVD/SD/USB mode press the ⏮ button to skip to the previous track. Press and hold the ⏮ button for two seconds to activate fast rewind (REW) for searching on a given track.

5. Power button/Volume control dial
Power button: Press the power button to turn the device on, press the button again to turn the device off. (* Pressing any button will turn the device on, except for the buttons REL, EJECT used for detaching the panel and the EJECT button on the remote control.)
Volume control dial: Turn the volume control dial clockwise to increase the volume and turn the volume control dial anticlockwise to decrease the volume.
DUAL setting: Hold down to select one of two modes - C-DUAL/D-DUAL (buttons on the panel and remote control used only for controlling the radio), D-DUAL (buttons on the panel and remote control used only for controlling the DVD).

6. BAND button (broadcast band)/TILT (tilt angle of the monitor)
In the RADIO mode press the BAND/TILT button to change the radio broadcast band in the order FM1 → FM2 → FM3 → AM1 → AM2.
Press and hold down the BAND/TILT button for 2 seconds to set the tilt angle of the monitor: Tilt angle 1 (TILT ANGLE 1) => Tilt angle 2 (TILT ANGLE 2) => Tilt angle 3 (TILT ANGLE 3) => Tilt angle 4 (TILT ANGLE 4).

7. ⏯ button (playback/pause)
In the DISC, USB, SD mode press the ⏯ button to pause/play the content. Press the button again to renew playback.

8. ⏭ button
RADIO: In the RADIO mode press the ⏭ button to start automatic search for stations. Press and hold the ⏭ button for 2 seconds to start manual search. By pressing this button each frequency can be tuned independently incrementally going forward.
DVD/SD/USB: In the DVD/SD/USB mode press the⏮ button to skip to the next track. Press and hold the ⏮ button for 2 seconds to activate fast forward (FF) for searching on a given track.

9. Infra-red sensor
The indicator light for the reception of the infra-red signal from the remote control. Maximum distance is 6-8 m, angle 45º.

10. Disc slot

11. Information display
Information on the LCD display, when the unit is running.

12. AV-in jack (input)
Connect the AV connector into the AV-IN jack (input), which is designated on the front panel.

13. USB slot

14. OPEN button
Press the button to open and close the LCD monitor.
ATTENTION: Do not cover the monitor if it is in the opening or closing mode. The mechanism could be damaged, which in this case is not covered by the warranty.

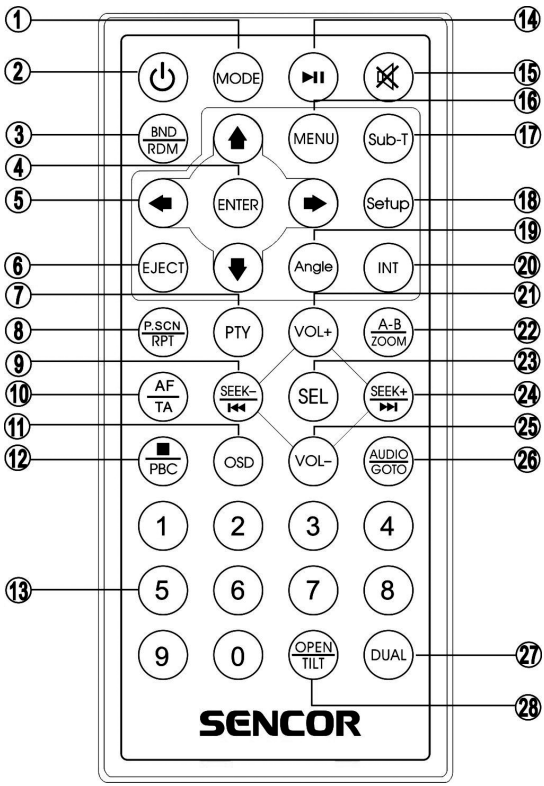
15. EJECT button
Press the EJECT button to eject the disc. If the previous disc is not removed from the slot within 10 seconds, then it is automatically reinserted back into the slot.

16. LCD display

17. RESET button
Press this button with a thin sharp object. The device will return to default factory settings.

18. SD/MMC slot
The SD/MMC slot is used to play only multimedia files. Insert an SD/MMC card into this slot and the device will automatically start reading and playing the card's contents.
* Supported audio file formats: MP3, WMA.

5. REMOTE CONTROL



1. **MODE** button
2. **POWER** button (on/off)
3. **BAND/RANDOM** button (broadcast band/random selection)
4. **ENTER** button (confirm a selection)
5. ⬆/⬇/⬅/➡ buttons
6. **EJECT** button (eject the disc)
7. **PTY** button (program type, RDS function)
8. **P.SCN/RPT** button (SCAN – search for stations/REPEAT – repeat playback)
9. **⏮/SEEK** button – (fast rewind/search in tracks)
10. **AF/TA** button (alternative frequency/ traffic assistance)
11. **OSD** button
12. **PBC/■** button (playback and pause/ end of playback)
13. **Numerical buttons**
14. ⏯ Button (playback/pause)
15. **MUTE** button (mute the sound)
16. **MENU** button
17. **SUB-T** button (subtitles)
18. **SETUP** button (settings)
19. **ANGLE** (**display angle**)
20. **INT** button (playback 10 seconds of each track)
21. **VOL +** button (increase volume)
22. **A-B/ZOOM** button (replay a section of a track/zoom into an image)
23. **SEL** button (select)
24. **⏮/SEEK +** (fast forward/search in tracks)
25. **VOL-** button (decrease volume)
26. **AUDIO/GOTO** button (search for audio language/skip to a position on a recording)
27. **DUAL** button (two different settings)
28. **OPEN/TILT** button (opening and closing the monitor/tilt angle of the monitor)

1. MODE (mode)
Press the MODE button and select a mode: RADIO, DISC (if a disc is inserted in the unit), USB (if a USB device is in the unit), CARD (if an SD/MMC card is in the unit) and AV IN jack.

2. POWER (On/Off)
Turn the device on or off

3. BAND/RANDOM (broadcast band/random selection)
In the RADIO mode press the BAND/RANDOM button to change the radio broadcast band in the order FM1 → FM2 → FM3→ AM1 → AM2.
In the DVD mode press for random playback.

4. ENTER (confirm selection)
Press button to confirm a selection or setting.

5. Buttons ⬆/⬇/⬅/➡
Use the ⬆/⬇/⬅/➡ buttons to select items in menus, recordings, tracks or to show the next image.

6. EJECT (eject the disc)
Press the EJECT button to eject the disc from the disc slot.

7. PTY (program type, RDS function)
In the RADIO mode press the button to select the program type.

8. P.SCN/RPT (SCAN – search for stations/REPEAT – repeat playback)
In the SD card/USB mode press this button to repeat REP 1 => REP DIR => REP ALL.
In the DVD mode press this button to start repeating REP OFF => REP Chapter => REP Title => REP OFF.
In the RADIO mode:
PS (Preset Scan): Press this button to scan all stations into memory and to playback each stored station for approx. 5 seconds.
AS (Auto Save): Long press to automatically store stations with good reception quality.

9. ⏮/SEEK – (fast rewind/search in tracks)
⏮: In the DVD/mode press the⏮ button to skip to the previous track. Press and hold the button for 2 seconds to activate the fast rewind search (REW) function on a given track.

SEEK –: In the RADIO mode press the ⏭ button to start automatic search for stations. Press and hold the button for 2 seconds to start manual search. The ⏮ button can also be used to change the broadcast band downwards.

10. AF/TA (alternative frequency/traffic assistance)
TA: In the RADIO mode press for a short time to activate traffic assistance (press again to cancel this function).
AF: Hold down to turn on/off the alternative frequency function.

11. OSD
In the DVB mode press this button to enter the OSD menu. Press and hold the button for 2 seconds for video settings (HUE/SATURATION/ERASING COLOURS/BRIGHTNESS/CONTRAST/SHARPNESS/back).

12. PBC/■ (playback and pause/end of playback)
■: Press the ■ button to stop playback at the current position. Press the button again to return to the beginning of the playback. Press the ⏯ button to start playback.
PBC: Press and hold this button for 2 seconds to turn on/off PCB in the VCD mode.

13. Numerical buttons
In the RADIO mode select the desire broadcast band 1-6, in the DVD mode select a track.

14. ►II (play/pause)
In the DVD mode press this button to pause playback, press again to renew the playback.

15. MUTE (mute the sound)
Press this button to mute the sound, press again to renew the volume.

16. MENU
Press the MENU button to display the main menu in the DVD mode.
Hold down this button for a long time to enter the TITLE MENU (if the DVD disc has the required menu).

17. SUB-T (subtitles)
Press this button to select the subtitle language (if the disc contains subtitles).

18. SETUP (settings)
In the DVB mode press this button to enter the settings menu.

19. ANGLE (display angle)
In DVD mode repeatedly press the ANGLE button to change the viewing angle (only with DVD recorded files or DVD discs, which have this function).

20. INT (playback 10 seconds of each track)
Press the INT button to activate the intro function. You can playback the start of each track for 10 seconds.

21. VOL + (increase volume)
Press the button to increase volume.

22. A-B/ZOOM (replay a section of a track/zoom into an image)
A-B: During playback press the button to set the start point of the part which you wish to replay (A). Press this button again at the end point of the part, which you wish to replay (B). Part A-B will start to be replayed. Press again to cancel the A-B replay function.
ZOOM: Press and hold the A-B/ZOOM button for 2 seconds. In DVD mode you can zoom in or out in the order ZOOM 2 -> ZOOM 3 -> 4 ZOOM -> ZOOM 1/2-> ZOOM1/3> ZOOM 1/4.

23. SEL (select)
Press the SEL button to enter the SOUND settings menu. Press buttons ⬆/⬇ to select an item and press the ⬅/➡ buttons to set the item. Press the SEL button again to exit the menu.

24. I◄◄ /SEEK + (fast forward/search in tracks)
►►I: In the DVD/ mode press the►►I button to skip to the next track. Press and hold the ►►I button for 2 seconds to activate the fast forward search (FF) function on a given track.
SEEK +: In the RADIO mode press the ►►I button to start automatic search for stations. Press and hold the ►►I button for 2 seconds to start manual search. The I◄◄ button can also be used to change the broadcast band upwards.

25. VOL- (decrease volume)
Press the button to decrease volume.

26. AUDIO/GOTO (search for audio language/skip to a position on a recording)
AUDIO: In the DVD mode press the AUDIO/GOTO button to select an audio language. In the VCD mode press the AUDIO/GOTO button to select a sound track in the order MONO L => MONO R => STEREO.
GOTO: In the DVD mode press and hold the AUDIO/GOTO button for 2 seconds to display the menu for TIME SEARCH (time search). Select a number and confirm to go directly to a certain position. After pressing the ⬆ button to enter the TITLE/CHAPTER selection mode, select a number and confirm it to go directly to a certain title or chapter.

27. DUAL (two different settings)
Activating dual zone mode
- In the SETTINGS menu enter GENERAL setup, tap on the DUAL mode icon and select ON.
- Insert a DVD disc or begin playing a film from an SD card or USB.

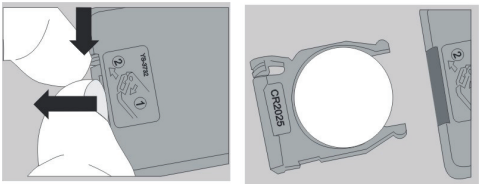
Controlling the front zone (C-DUAL)
- Press and hold the POWER button on the front panel or the DUAL button on the remote control until C-DUAL appears on the screen.
- Press the ARROW button in the top right corner of the screen to return to the main menu. Select the mode you wish to use in the front zone.
- The unit will switch to the selected mode. The film on the DVD disc or SD/USB will continue to be played only on the VIDEO OUT and DUAL OUT audio outputs. The selected audio mode will be played through the front and rear LINE outputs. The controls on the front panel and the remote control will only have an effect on the selected mode activated for the front zone.

Controlling the rear zone (D-DUAL)
- Press and hold the POWER button on the front panel or the DUAL button on the remote control until D-DUAL appears on the screen.
- All control functions on the front panel and on the remote control used for the DVD, USB or SD including volume, will only be activated for the media being played back, for the rear zone.

Press and hold the POWER button on the front panel or the DUAL button on the remote control until D-DUAL disappears to return to the normal operation of the unit (initial). • Press and hold the POWER button on the front panel or the DUAL button on the remote control to activate the Dual Zone mode.

28. OPEN/TILT (opening and closing the monitor/tilt angle of the monitor)
OPEN: Press to open or close the monitor.
TILT: Press for a longer time to set the tilt angle of the monitor.

Changing the batteries



Notes regarding the remote control and batteries:

To control the device using the remote control point the remote control at the device and then press the button with the required function. The effective range of the remote control is up to about 6 - 8 meters with a maximum deviation of +/- 45° from the perpendicular direction to the reception sensor of the remote control on the front side of the device. The falling capacity of the batteries gradually reduces the remote control range.

- There must be no solid obstacles in the area between the remote control and the device when the remote control is being used.
- During standard use the lifetime of batteries in the remote control is about 1 year. When the effective range of the remote control is substantially reduced or when there are problems with its use, change both the batteries in the remote control. If you will not be using the remote control for a longer period of time, take out both batteries - in this way you will prevent potential damage caused by their leakage.
- The batteries must not be exposed to excessive heat, such as sun radiation, fire, etc.

The incorrect use of batteries may cause the leakage of the electrolyte and corrosion. To ensure that the remote control works correctly, proceed according to the instructions below:

- Only use type CR2025 (3V) lithium batteries.
- Do not insert the battery in the wrong direction.
- Do not recharge, heat, open or short circuit the battery.
- Do not throw the battery into a fire.
- Do not leave a discharged battery in the remote control.
- If you will not be using the remote control for a long period of time, remove the battery to prevent potential damage caused by a subsequent battery leakage.
- If the remote control is not working correctly or its operational range is reduced, change the battery for a new one.
- If electrolyte leaks out from the battery, have the remote control cleaned at an authorised service centre.

6. MAIN MENU

In order to properly operate the device, it is necessary that you understand all details relating to the use of the device. This chapter will guide you through the menus of the device.
The menu system is accessed through the main menu.
After the main menu appears, enter the individual submenus by tapping on the icons displayed on the LCD touch screen.

6.1 Radio player

To enter the RADIO mode tap on the RADIO icon on the main menu screen.

: mute the sound

: decrease volume/current volume/increase volume

: select FM1, FM2, FM3, WM1, WM2.

: short press: the stations in the given broadcast band can be heard for 5 seconds long press: stations are stored automatically

: search for stations

: open manual station selection (backwards)

: open manual station selection (forward)

: search for stations

: turn the AF function on or off

: turn the TA function on or off

: turn the PTY function on or off

: switch between stereo and mono sound reception

: LOCAL: Modification of the signal in locations where the signal is too strong. «Loc» will disappear from the display. DX: modification of the signal in locations where the signal is too weak. «DX» will disappear from the display.

RDS (display name of station)
RDS (Radio Data System) is a digital information system developed by the EBU (European Broadcast Union). The RDS system uses standard FM broadcasting to transmit various information and provides various services, e.g. automatic tuning, which can be used by stereo systems in vehicles supporting RDS.
The availability of the RDS service differs depending on location and the operator of the given radio station.

AF function (alternative frequencies)
Short press the AF button on the remote control to activate the AF function. When the radio signal is weak the AF function enables the device to automatically search for another station with the same PI (Program Identification) as the current station but with a stronger signal.

: The AF indicator will start flashing on the display if the RDS service is available. If the RDS service is not available in your location, turn the AF mode off.

TA (Traffic Alarm) function
Touch the TA button on the screen to activate the TA function. When this function is activated, TA will be shown on the display. If there is no information about TP available, the set mode will automatically search for a TP station. When a station is playing with TA, the volume level - during the activation of TA - is automatically modified. When other playback modes are active (e.g. DVD, AUX), the playback in the TA mode will have priority. After the TA is played the mode will automatically switch to the RDS mode.

Program type (PTY)
Briefly press the PTY button on the remote control to activate the PTY function. When the function is on, use the ⬆/⬇ buttons or the number buttons on the remote control to select the program type to search for a special program. When PTY information is available, press the OSD button on the remote control to display this information. If the PTY function is turned off, searching is stopped.

6.2 DVD Player

To enter the DVD player mode tap on the DVD icon on the main menu screen.

Touch screen menu
No buttons will be displayed when the device is playing a DVD. The buttons will appear when the touch screen is tapped. Tap the screen again to hide the buttons.

Insert a DVD disc

Insert a VCD disc

Note:
- The DVD player will start automatically when a DVD disc, memory card or USB device is inserted.
- If the vehicle is moving a warning will appear. This is for the driver's safety.
- The DVD player not only plays video but also displays photographs and plays music files.

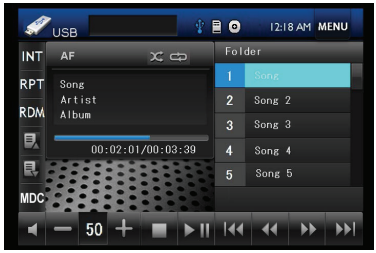
6.2.1 File manager

The DVD plays files in the following modes:
a) DISC
b) USB
c) MEMORY CARD (the main memory card slot is inside the panel)

: pause playback. Press the button again to continue.
: stop playback. Press this button to stop playback at the current position, press it again to return to the beginning of the playback.
/ : start fast rewind or fast forward. Press one of the buttons to change the spooling speed. Press the button to return to normal playback.
: in the DVD mode it is used to select: Repeat chapter (chapter) => Repeat title (title) => Turn off repeat (off). in the VCD mode it is used to select: Repeat REP 1 => REP DIR => REP ALL.
SUBT: select the subtitle language (only if the disc contains subtitles)
AUD: in the DVD mode it is used to select the audio language (if the disc has this function); in the VCD mode it is used to select MONO – L MONO R – STEREO.
PBC: in the VCD mode it is used to turn on/off the PBC function.
MENU: In the DVD mode it is used to enter the TITLE MENU (if the DVD disc has a title menu).
/ : select the previous or next track
/ : select the touch screen viewing angle

6.2.2 Playback of disc directories/USB/SD

When playing files located on a disc, USB or SD card the following interface will appear on the screen:



: mute the sound
50 : decrease volume/current volume/increase volume
: stop playback. Press this button to stop playback at the current position, press it again to return to the beginning of the playback.
(play/pause): to pause a track and to continue in its playback
: restart a track, (frequency) FR × 2 × 4 × 8 × 20 will appear on the display
: to skip to the next track. FR × 2 × 4 × 8 × 20 will appear on the display
: skip to the previous track
: skip to the next track
INT: activate the intro function. You can playback the start of each subsequent track for 10 seconds.
RPT: repeat REP 1 => REP DIR => REP ALL
RDM: random playback of tracks
: go to previous page.

: go to next page
MDC: open and select by touching the desired directory

6.3 AV input

To start the AV-IN mode, tap on the AV-IN button on main menu screen.

Connect an external audio/video signal to this unit. Select the AV-IN mode in the main menu or press the MODE button on the front panel.

Note:
If no external video input is available, the display will show the message "NO SIGNAL".

1. Press the △/▽ button to set the angle of the touch screen.
2. Press the ⇦ to return to the main menu.

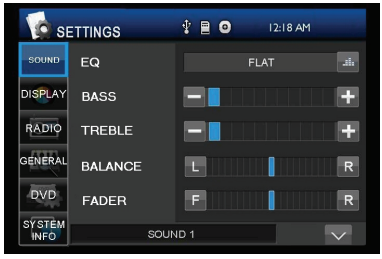
6.4 Setting up the controls

You may adjust the settings so that they meet your personal preferences. After changing the settings, the new settings will not change until further changes are made.

If you wish to start the setup, tap on the button in the main menu or press the SETUP button on the remote control.

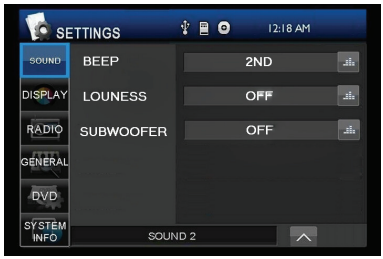
6.4.1 Setting up the sound

Tap on the SOUND button to display the SOUND 1 menu.



EQUALIZER	Select an EQ mode
BASS	Bass up/down
TREBLE	Treble up/down
BALANCE	Left/Right – Balance
FADER	Forward/Back – Fader control

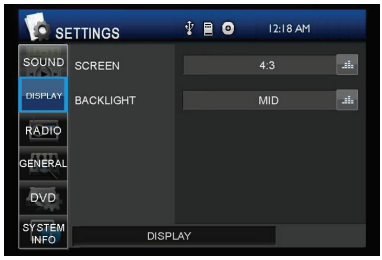
Tap on the button to display the SOUND 2 menu.



BEEP	Set keypad sound
LOUDNESS	Set loudness on/off
SUBWOOFER	Set subwoofer on/off

6.4.2 Setting up the display

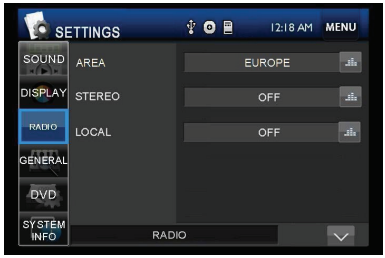
Tap on the OPTION button to display the DISPLAY menu.



SCREEN	Set screen 16:9, 4:3, FULL
BACKLIGHT	Set backlight LOW, MID, HIGH

6.4.3 Setting up the radio

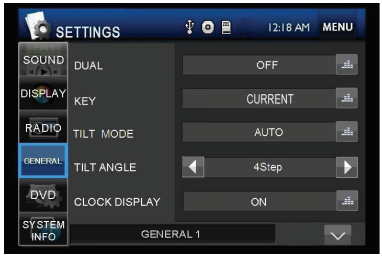
Tap on the RADIO button to display the RADIO menu.



AREA	Set area: (EUROPE-U.S.A-SOUTH AMERICA-RUSSIA)
STEREO	Set STEREO on/off
LOCAL	Set LOCAL on/off

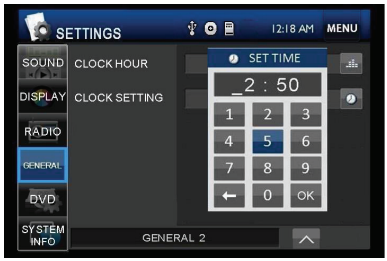
6.5 General settings

Tap on the GENERAL button to display the GENERAL 1 menu



DUAL	Set DUAL on/off
KEY	Set KEYS – CURRENT
TILT MODE	Set the tilt angle of the monitor – automatically or manually
TILT ANGLE	Adjust the tilt angle of the monitor
CLOCK DISPLAY	Set the clock on the display on/off

Tap on the button to display the GENERAL2 menu.



CLOCK HOUR	Set time to 24-hour or 12-hour format
CLOCK SETTINGS	Set the time

6.6 Setting up the DVD menu

While playing a DVD press the SETUP button to enter the system settings. Tap on the up or down arrow button to move to the highlighted menu item and select one of the page settings.

6.6.1 Setting the subtitle language

Use this option to select the preferred subtitle language. If the selected language is recorded on the disc, then this language will automatically be displayed. If not, then the first language recorded on the disc will be displayed.

6.6.2 Setting the audio language

Use this option to select the preferred audio output language. If the selected language is recorded on the disc (not all discs have a multiple languages recorded), then this language will be played automatically. If not, then the first language recorded on the disc will be used.

6.6.3 Setting the DVD menu language

Use this option to select the preferred disc menu language. If the selected language is recorded on the disc, then this language will be selected automatically. If not, then the first language recorded on the disc will be displayed.

6.6.4 Password

The default password for this unit is factory set to 0000. If you wish to change this password you need to enter the old password and confirm it. Then enter the new password and confirm it.
Attention: If you forget the password it is not possible to create a new password. Do not forget your password and be sure to make a copy or store the password in a safe place.

6.6.5 Rating/parental settings

On DVD discs which support the USA rating system the rating control can prevent children from watching content, which may not be suitable for their age. You will be asked to enter a password when you change the rating setting. The default password is 0000.

Code	Description
1. NONE	Safe for children.
2.G	For general audiences - suitable for all age categories.
3.PG	Parental guidance recommended – certain material may not be suitable for children.
4.PG-13	Parents strongly cautioned - certain material may be inappropriate for children under 13.
5.PG-R	Restricted, viewers under 17 years of age must be under parental or adult supervision.
6.R	Restricted, viewers under 17 years of age must be under parental or adult supervision.
7.NC-17	Not suitable for children under 17 years of age.
8. Adult	Suitable for viewers above 17 years of age.

6.6.6 TV screen format

Set the TV screen format to the correct aspect ratio.
There are three screen aspect ratios available: Normal/PS (4:3 Pan Scan), Normal/LB (4:3 Letterbox) and Widescreen (16:9). Various disc formats display pictures according to this setting and the screen aspect ratio.

6.6.7 PAL/NTSC

Select this item to set the preferred video output format. PAL is commonly used in Europe, NTSC is commonly used in the USA and Japan. The automatic setting is also commonly used.

6.6.8 Factory settings

Factory reset. Resets all values to factory default values including memory and preset stations.

6.7 System information

Press the SYSTEM button to display information about the system. You can see detailed information about the system including software serial numbers.

6.8 Calibration

The calibration of the screen is useful when the touch screen malfunctions or other modifications are necessary.
The touch screen CALIBRATION procedure is described below. When the target moves to another position, tap and hold the centre of the new target. Repeat each time to complete the calibration. When the calibration is complete, the device will return to the previous operating mode retaining the previous settings. If you press the Reset button, the settings will return to factory settings.

6.9 Additional functions

6.9.1 Subwoofer

Connect the subwoofer to the device using the Sub output (see electrical diagram). Tap the MENU icon on the screen to enter the main settings menu. Select SOUND and set the subwoofer in the ON position.

6.9.2 Parking

When the car stops and after the hand brake is engaged, it is possible to view the picture on the screen. Otherwise it is not possible to display the video image.

6.9.3 Rear view camera

This device is equipped with a rear camera output. The camera is used for observing the situation behind the vehicle while reversing.
Connect the rear view camera to the vehicle's rear video output. Connect the cable with the vehicle's rear brake light. The image from the rear view camera will be available while reversing the car.

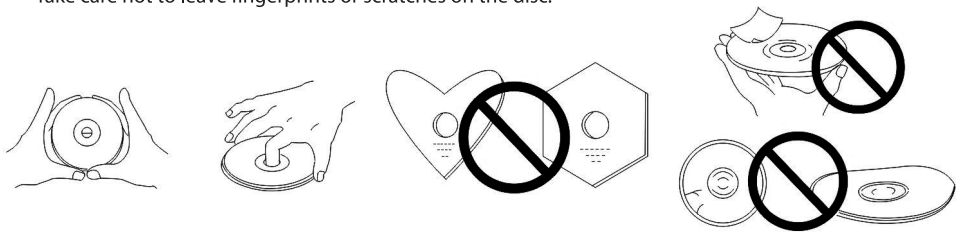
7. NOTES ABOUT DISCS

- Only use loudspeakers without grounding.
- Only use loudspeakers with a minimum power performance of 40 W, using loudspeakers with a lower performance may damage the loudspeakers when the volume is turned to a higher level.
- Only use loudspeakers with an impedance of 4 to 8 Ω (ohm). The use of a higher or lower impedance may damage the device.
- Do not use a triple-core cable to connect the loudspeakers and do not connect the negative lead (-) to the car body.
- GND – grounding using a BTL circuit. Each loudspeaker must be connected using insulated cables according to the diagram.
- The loudspeaker cables and/or an external amplifier must always be at least 30 cm from the antenna and/or the extended part of the antenna.
- If you wish to view video on the 7" display, the parking lead must be grounded.

Storing and handling discs:

Handling discs

- Use discs that have a regular shape. If an irregular-shaped disc is used it will not be possible to play the recording.
- Do not touch the surface of the disc where there is no label and where the recording is stored. When handling the disc, hold it by its edges or by the edge and the centre disc opening.
- Do not stick any papers or adhesive tape on the disc.
- If you will not be using the device for an extended period of time, remove the batteries and pack it for storage.
- Take care not to leave fingerprints or scratches on the disc.



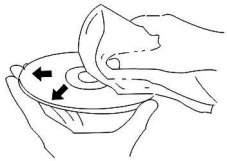
Notes:

- Do not write on the printed side of the disc with a ballpoint pen or pencil. For labelling discs use soft felt tip markers made specially for this purpose.
- Do not use scratch-resistant protection or covers.
- Do not use discs with labels made using label printers available on the market.
- Do not insert warped or cracked discs.

Cleaning discs

Fingerprints and dust affect the quality of the image while playing the recording from the disc. Prior to use, wipe the disc from the centre outwards using a clean lint-free cloth.

- Do not use any solvents such as thinners, benzol (benzene), standard cleaning agents or anti-static sprays.



Storing discs

Take care not to damage the disc because data stored on it is very sensitive to the surrounding environment.

- Do not leave discs in direct sunlight or near sources of heat. Do not leave discs in closed motor vehicles parked in direct sunlight. There is a risk that the disc may warp.
- Store in a cool ventilated place.
- Store in a vertical position.
- Store in a clean protective cover.

8. TROUBLESHOOTING

	Symptom	Cause	Solution
GENERAL INFORMATION	**The device's power supply cannot be turned on. (No sound)**	The fuse has burnt.	Replace the fuse with another of the same current value. If the fuse burns again, please contact your vendor.
		Incorrect connection	Contact your vendor.
	No sound even when operating the unit together with an amplifier or with the antenna power supply connected.	The antenna power supply is shorted to ground. Excessive current offtake for the amplifier or antenna power.	1. Turn off the device. 2. Disconnect all cables connected to the antenna power supply. Check each cable for possible shorting to ground using an ohm meter. 3. Turn on the device. 4. Connect each amplifier lead to the antenna power supply separately. If the amplifier turns of before all the cables are connected, use an external power supply for external playback. (requires an external power supply).
	Nothing happens when buttons are pressed. The display is not accurate.	The microprocessor is faulty due to noise, etc...	Turn off the power supply, then press the button [not for opening] and remove the DCP. Use a thin rod to press the RESET button for about 2 seconds.
		The panel or connectors on the main unit are dirty.	Wipe away the dirt using a cloth dipped in clean alcohol.
CD	**Bad sound quality after the device is turned on.**	The compact disc is dirty.	Clean the disc without scratching it.
		The compact disc is scratched or warped.	Replace with a new, undamaged disc.
	Bad sound quality after the device is turned on.	Water droplets are forming on the inside lens when the car is parked in a damp environment.	Dry it approximately 1 hour after turning on the device.
LCD	**Error messages on the small LCD display.**	If the error is in the disc slot, ERROR 1 will appear.	Reset the device.
		If the error is in the disc or the servo, ERROR 2 will appear.	Replace the disc or reset the device.
		If the error is in the USB, ERROR 3 will appear.	1. Remove the USB/SD and reinsert it. 2. file error, please check the file. 3. Reset the device.
		If the error is in the SD, ERROR 4 will appear.	

Symptom	Cause	Solution
Power supply missing.	The vehicle's ignition is not turned on.	If the power voltage is connected into the vehicle's ignition, turn the ignition key to position "ACC".
	The fuse has burnt.	Replace the fuse.
Cannot insert the disc.	There is another disc in the disc slot.	Take the disc out of the player and insert another.
Cannot read the disc.	The disc is inserted upside down into the disc slot.	Insert the compact disc with the label facing upwards.
	The disc is very dirty or damaged.	Clean the disc or replace it with another.
	The temperature inside the vehicle is too high.	Cool the inside of the vehicle until the ambient temperature returns to normal.
No audio.	Minimum volume.	Adjust volume to the required level.
	Incorrect connection.	Check the connection.
The control keys do not work.	The built-in micro-computer is not working correctly because of noise.	Press the POWER button for approximately 10 seconds to reset the device.
	The front panel is not installed in its place.	
Sound skips.	The installation angle is greater than 30°.	Change the installation angle to less than 30°.
	The disc is extremely dirty or damaged.	Clean the disc or replace it with another.
The radio is not playing. Automatic station selection does not work.	The antenna cable is not connected. Weak signal.	Firmly attach the antenna cable. Manually select the stations.

9. TECHNICAL SPECIFICATIONS

GENERAL INFORMATION

Power source	11 – 16V DC
Power consumption	max. 10 A
Maximum power output	41W x 4 channels (max)
Compatible formats	DVD/SVCD/VCD/HDCD/MP3/MP4/VIDEO/CDDA/ Video CDCD-R/-RW/DVD±R/±RW playback
Dimensions (W x D x H)/weight	165 x 178 x 50 mm/2 kg
Operating temperature range	-10°C - +60°C
ESP function	10 seconds for audio CDs, 120 seconds for MP3

TFT display

Screen size	7 inches (17.78 cm)
Resolution	480 x 243 pixels
Aspect ratio	4:3/16:9
Brightness	400 cd/m^2

FM Stereo Radio

Frequency (EUROPE):	87.5 – 108 MHz (50 KHz increments)
Preset radio station memory:	18 positions

AM/MW Radio

Frequency (EUROPE):	522kHz - 1620 kHz (9 KHz increments)
Preset radio station memory:	12 positions

Audio specifications

Frequency range:	20 Hz-20 KHz

These specifications are subject to change without prior notice.

INSTRUCTIONS AND INFORMATION REGARDING THE DISPOSAL OF USED PACKAGING MATERIALS

Dispose of packaging material at a public waste disposal site.

DISPOSAL OF USED ELECTRICAL AND ELECTRONIC APPLIANCES

The meaning of the symbol on the product, its accessory or packaging indicates that this product shall not be treated as household waste. Please, dispose of this product at your applicable collection point for the recycling of electrical & electronic equipment waste. Alternatively in some states of the European Union or other European states you may return your products to your local retailer when buying an equivalent new product. The correct disposal of this product will help save valuable natural resources and help in preventing the potential negative impact on the environment and human health, which could be caused as a result of improper liquidation of waste. Please ask your local authorities or the nearest waste collection centre for further details. The improper disposal of this type of waste may fall subject to national regulations for fines.

For business entities in the European Union
If you wish to dispose of an electrical or electronic device, request the necessary information from your seller or supplier.

Disposal in other countries outside the European Union
If you wish to dispose of this product, request the necessary information about the correct disposal method from local government departments or from your seller.

CE This product meets all the basic EU regulation requirements that relate to it.

Changes to the text, design and technical specifications may occur without prior notice and we reserve the right to make these changes.

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