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CED370



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# PHILIPS







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# 1 Important

## Safety

- Read and understand all instructions before you use the apparatus. If damage is caused by failure to follow instructions, the warranty does not apply.
- Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.
- This unit is designed for negative ground (earth) 12 V DC operation only.
- To reduce the risk of traffic accident, do not watch video during driving.
- To ensure safe driving, adjust the volume to a safe and comfortable level.
- Improper fuses can cause damage or fire. When you need to change the fuse, consult a professional.
- Use only the supplied mounting hardware for a safe and secure installation.
- To avoid short circuit, do not expose the apparatus, remote control or remote control batteries to rain or water.
- Never insert objects into the ventilation slots or other openings on the apparatus.
- Never place any objects other than discs into the disc tray/slot.
- Visible and invisible laser radiation when open. Avoid exposure to beam.
- Risk of damage to the screen! Never touch, push, rub or strike the screen with any object.
- Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.
- Clean the apparatus with soft, damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the apparatus.

## Notice

 **Be responsible  
Respect copyrights**

The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This equipment should not be used for such purposes.

## Rovi copy right protection statement

This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.  
Official DivX® Certified product. Plays all versions of DivX® video (including DivX® 6) with standard playback of DivX® media files.



**ABOUT DIVX VIDEO:** DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified device that plays DivX video. Visit [www.divx.com](http://www.divx.com) for more information and software tools to convert your files into DivX video.

**ABOUT DIVX VIDEO-ON-DEMAND:** This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to [vod.divx.com](http://vod.divx.com) with this code to complete the registration process and learn more about DivX VOD.

DivX®, DivX Certified® and associated logos are registered trademarks of DivX, Inc. and are used under license.



DivX Certified® to play DivX® video, including premium content



Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. Other trademarks and trade names are those of their respective owners.

This apparatus includes this label:



This product complies with the radio interference requirements of the European Community.

Any changes or modifications made to this device that are not expressly approved by Philips Consumer Lifestyle may void the user's authority to operate the equipment.

**Environmental information**

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet.)

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

**Recycling**



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused. When you see the crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:



Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences on the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste. Please inform yourself about the local rules on separate collection of batteries. The correct disposal of batteries helps prevent potentially negative consequences on the environment and human health.

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#### Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



**FCC Radiation Exposure Statement:** This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.





## 2 Your car audio system

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at [www.philips.com/welcome](http://www.philips.com/welcome).

### Introduction

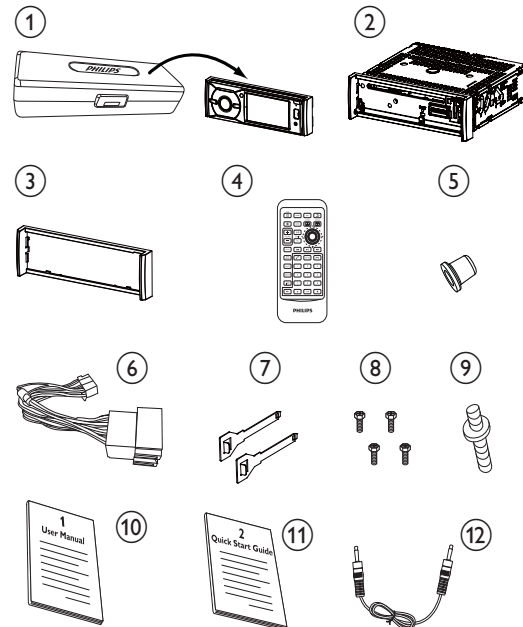
With the car entertainment system, you and your passengers can enjoy:

- Audio/video/JPEG pictures from
  - DVD, VCD or CD
  - USB devices
  - SD/SDHC/MMC cards
  - External devices
- FM or AM (MW) radio
- Audio from Bluetooth-enabled devices

You can also make/receive phone calls with Bluetooth-enabled devices.

### What's in the box

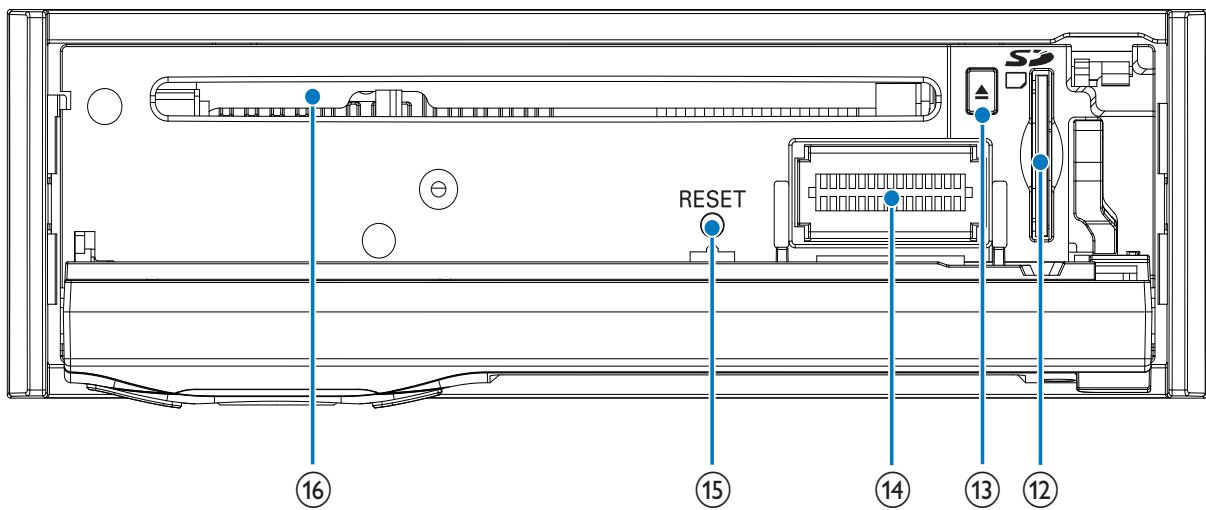
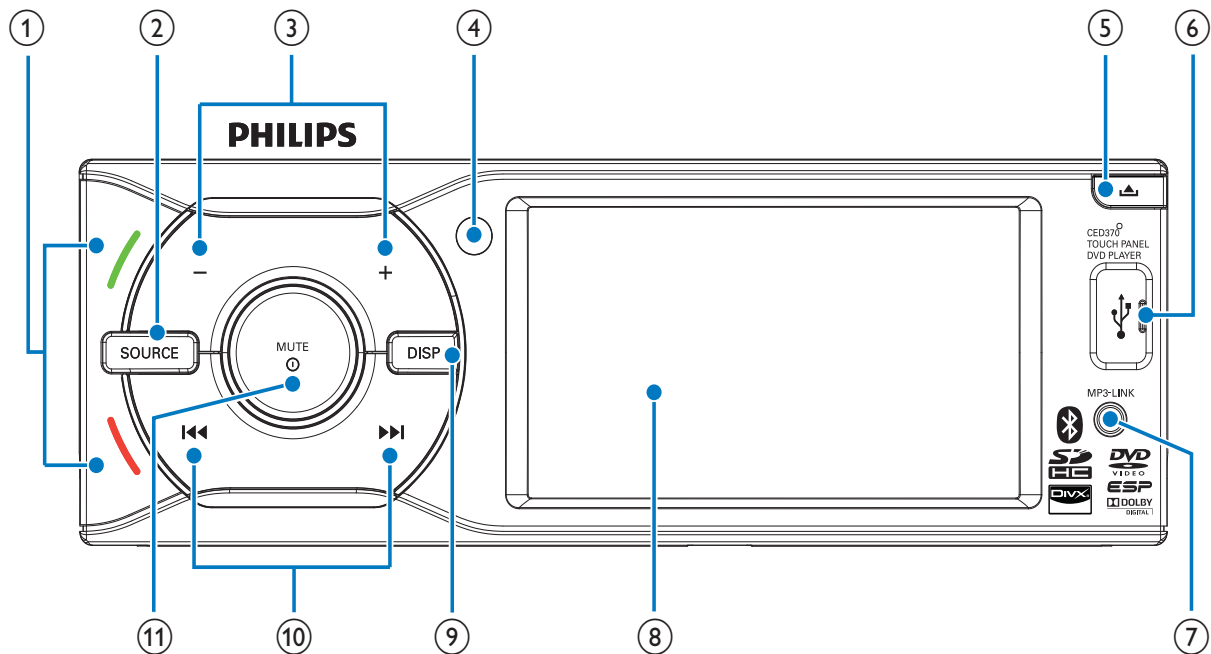
Check and identify the contents of your package:





- ① Front panel carry case (includes front panel)
- ② Main unit
- ③ Trim plate
- ④ Remote control
- ⑤ Rubber cushion
- ⑥ Standard connector
- ⑦ Removal keys x 2 pcs
- ⑧ Screws M5x8 mm x 4 pcs
- ⑨ None standard screw x 1 pc
- ⑩ User manual
- ⑪ Quick start guide
- ⑫ MP3-link cable



## Overview of the main unit



- |  |   |
|--|---|
| <p>① <b>LED indicator (green/red)</b></p> <ul style="list-style-type: none"> <li>• Answer phone (green).</li> <li>• Dial number (green).</li> <li>• Terminate call (red).</li> </ul> <p>② <b>SOURCE</b></p> <ul style="list-style-type: none"> <li>• Select audio/video source.</li> </ul> <p>③ <b>+/-</b></p> <ul style="list-style-type: none"> <li>• Increase/decrease volume.</li> </ul> | <p>④ <b>Remote control sensor</b></p> <p>⑤ </p> <ul style="list-style-type: none"> <li>• Unlock the panel</li> </ul> <p>⑥ </p> <ul style="list-style-type: none"> <li>• USB socket</li> </ul> <p>⑦ <b>MP3 LINK</b></p> <ul style="list-style-type: none"> <li>• External device socket</li> </ul> <p>⑧ <b>Touch panel</b></p> |
|--|---|



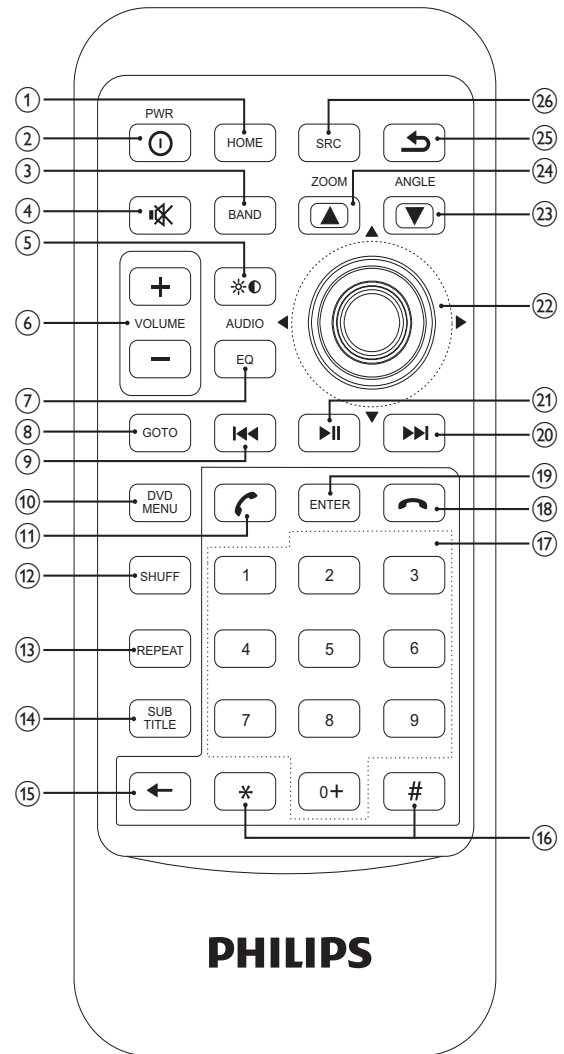




- ⑨ **DISP**
  - Switch back light mode.
  - During video play, press and hold to adjust display contrast.
- ⑩ **⏮⏭**
  - Tune to a radio station.
  - Skip track.
  - Fast backward/forward playback.
- ⑪ **⏻/MUTE/OK**
  - Turn the unit on or off.
  - Turn mute on or off.
  - Confirm selection.
- ⑫ **SD/SDHC/MMC card slot**
- ⑬ **⏏**
  - Eject disc.
- ⑭ **Panel power connection**
- ⑮ **RESET**
  - Reset the unit when it hangs up.
- ⑯ **Disc slot**

## Overview of the remote control

English



- ① **HOME**
  - Access main menu.
- ② **⏻PWR**
  - Turn the unit on or off.
- ③ **BAND**
  - Select radio band.
  - Select video input format under DVD mode.
- ④ **⏻**
  - Mute or unmute audio.



- ⑤
  - Adjust display brightness/contrast.

- ⑥ **VOLUME +/-**
  - Adjust volume.

- ⑦ **EQ/AUDIO**
  - Select equalizer (EQ) settings.
  - Access audio setting menu.

- ⑧ **GOTO**
  - Select track/chapter.

- ⑨
  - Tune for radio station.
  - Skip to previous track/chapter.
  - Search backward.

- ⑩ **DVD MENU**
  - Access DVD disc menu

- ⑪ (green)
  - Answer phone.
  - Dial number.

- ⑫ **SHUFF**
  - Turn random play on or off.

- ⑬ **REPEAT**
  - Select repeat play mode.

- ⑭ **SUB/TITLE**
  - Select DVD or DivX subtitle language.
  - Access DVD or DivX chapter menu.

- ⑮
  - Delete entered numbers.

- ⑯ **#\***
  - # symbol for phone call.
  - \* symbol for phone call.

- ⑰ **Numeric keypad**

- ⑱ (red)
  - Terminate call.

- ⑲ **ENTER**
  - Confirm selection.

- ⑳
  - Tune for radio station.
  - Skip to next track/chapter.
  - Search forward.

- ㉑
  - Start play or pause.

- ㉒ **Navigation buttons**
  - - Skip to the previous/next preset station.
    - Skip to the previous/next folder.
    - Move cursor up/down.
  - - Move cursor to left/right.

- ㉓ /ANGLE
  - Turn to previous page.
  - Select a difference angle/version of the current DVD scene.

- ㉔ /ZOOM
  - Turn to next page.
  - Zoom in or out a picture/video image.

- ㉕
  - Return to previous menu or exit.

- ㉖ **SRC**
  - Select a source.



# 3 Get started

## ! Caution

- Use the controls only as stated in this user manual.

Always follow the instructions in this chapter in sequence.

If you contact Philips, you will be asked for the model and serial number of your apparatus. The model number and serial number are on the bottom of your apparatus. Write the numbers here:

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

## Install the unit

These instructions are for a typical installation. However, if your car has different requirements, make the corresponding adjustment. If you have any questions regarding installation kits, consult your Philips car audio dealer.

## ! Caution

- This unit is designed for negative ground (earth) 12 V DC operation only.
- Always install this unit in the car dashboard. Other locations can be dangerous as the rear of the unit heats up during use.
- To avoid short-circuit: before you connect, ensure that the ignition is off.
- Ensure that you connect the yellow and red power supply leads after all other leads are connected.
- Ensure that all loose leads are insulated with electrical tape.
- Ensure that the leads do not get caught under screws or in parts that will move (e.g. seat rail).
- Ensure that all ground (earth) leads are run to a common ground (earth) point.
- Use only the supplied mounting hardware for a safe and secure installation.
- Improper fuses can cause damage or fire. When you need to change the fuse, consult a professional.

## Note on the power supply lead (yellow)

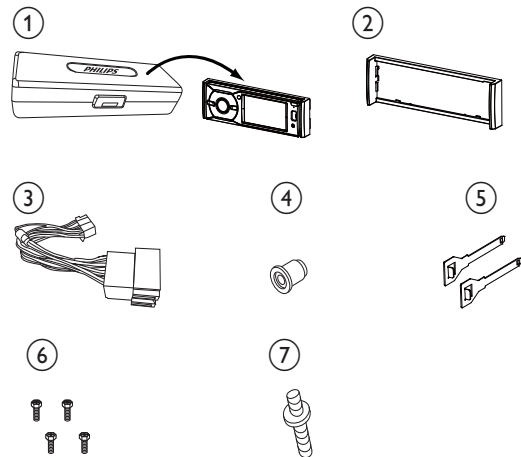
- When you connect other devices to this apparatus, ensure that the rating of the car circuit is higher than the total fuse value of all the connected devices.

## Notes on speaker connection

- Never connect speaker wires to the metal body or chassis of the car.
- Never connect speaker wires with stripes to one another.

## Overview of parts

These are the supplied parts needed to connect and install this unit.



- ① Carry case with front panel stored inside
- ② Trim plate
- ③ Standard connector
- ④ Rubber cushion
- ⑤ Removal keys x 2 pcs
- ⑥ Screws M5x8 mm x 4 pcs
- ⑦ None standard screw x 1 pc

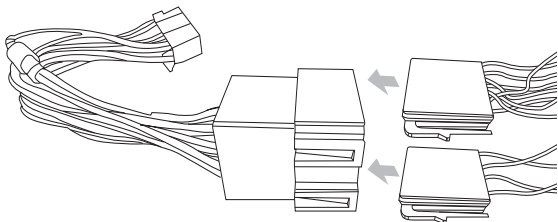


## Connect wires: ISO connectors

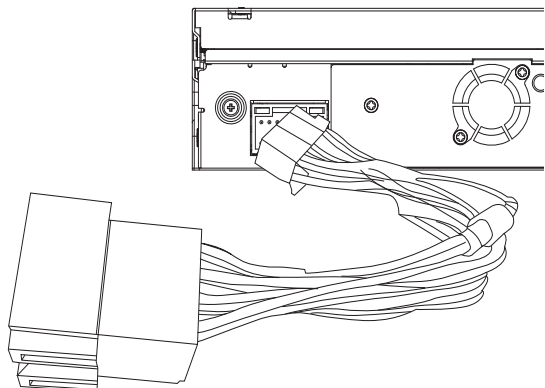
### Caution

- Ensure that all loose leads are insulated with electrical tape.

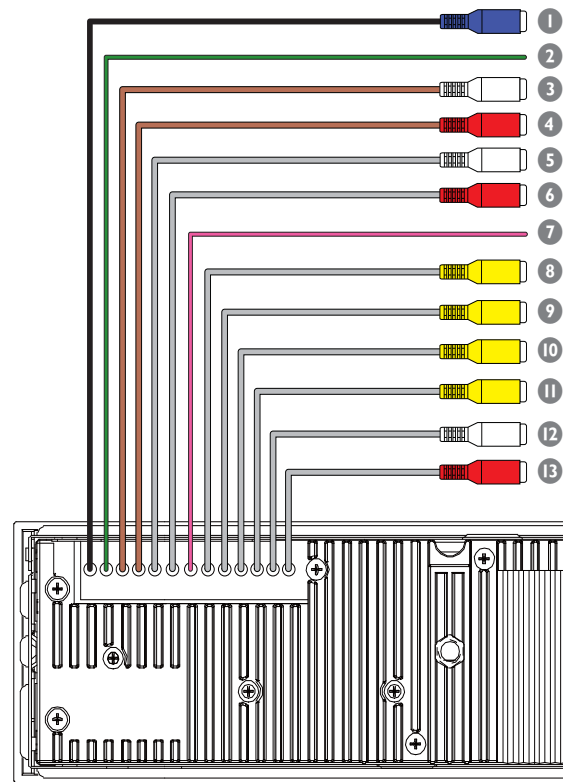
- 1 Pull out the ISO connectors from the car dashboard and connect them to the bigger end of the supplied standard connector.



- 2 Connect the other end of supplied standard connector to the unit.



- If necessary, connect the following:



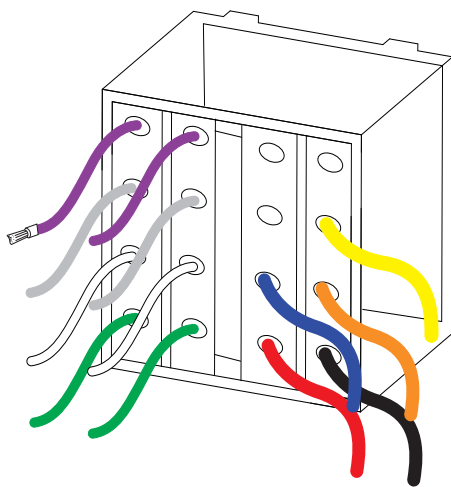
Connector	Connect to/with
1 Blue cable	Sub woofer out
2 Green/white wire	Parking (see 'Connect parking brake wire' on page 16) switch (see 'Connect parking brake wire')
3 White cable	Left front line out
4 Red cable	Right front line out
5 White cable	Left rear line out
6 Red cable	Right rear line out
7 Pink wire	Camera
8 Yellow cable	Camera in
9 Yellow cable	Video in
10 Yellow cable	Video out 2
11 Yellow cable	Video out 1
12 White cable	Left audio in
13 Red cable	Right audio in

## Connect wires: without ISO connectors

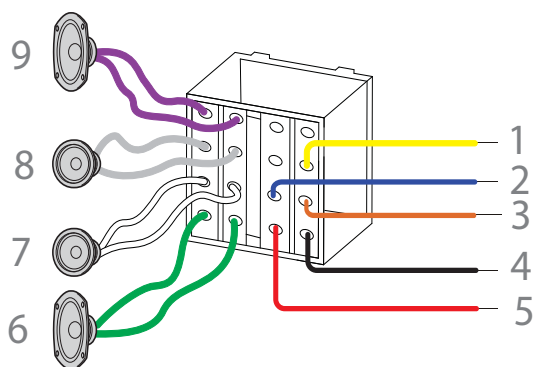
### ! Caution

- Ensure that all loose leads are insulated with electrical tape.

- 1 Cut off the bigger end of the supplied standard connector.



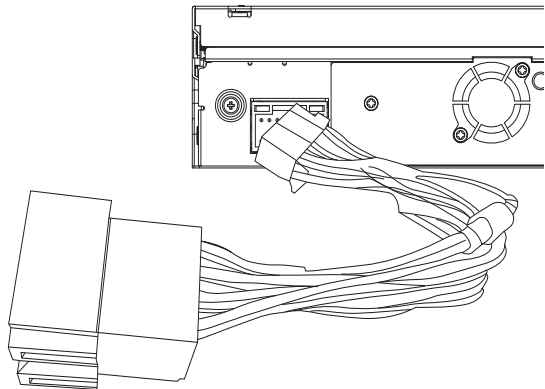
- 2 Check the car's wiring carefully, then connect them to the standard connector.



Connector	Connect to
1 Yellow wire	<b>The +12V car battery which is live at all times.</b>
2 Blue wire	<b>The electric antenna control lead or power supply lead of the antenna booster</b> If there is no electric antenna or antenna booster, or it is manually operated telescopic antenna, it is not necessary to connect this lead.
3 Orange wire	Illumination switch
4 Black wire	<b>A metal surface of the car</b> First connect the black ground (earth) lead, then connect the yellow and red power supply leads.
5 Red wire	<b>The +12V power terminal which is live in the accessory (ACC) position of the ignition switch</b> If there is no accessory position, connect to the +12V car battery terminal that is always live. Be sure to connect the black ground (earth) lead to a metal surface of the car first.
6 Green and green/black wires	<b>Left speaker (Rear)</b>
7 White and white/black wires	<b>Left speaker (Front)</b>
8 Gray and gray/black wires	<b>Right speaker (Front)</b>
9 Purple and purple/black wires	<b>Right speaker (Rear)</b>



- 3 Connect the supplied standard connector to the unit.

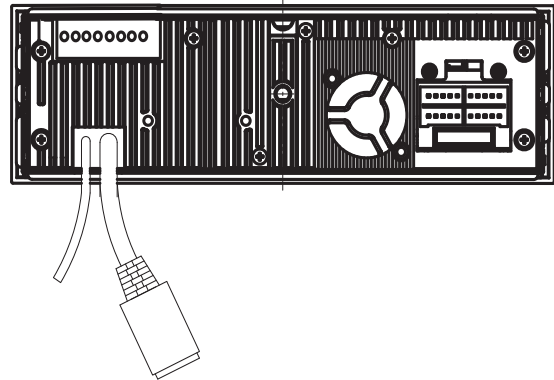


- If necessary, do the other connections. (See the last step in section **Connect wires: ISO connector**)

## Connect Navigation box

To receive signal from satellites, connect the GPS cable on the back of the unit to the navigation box.

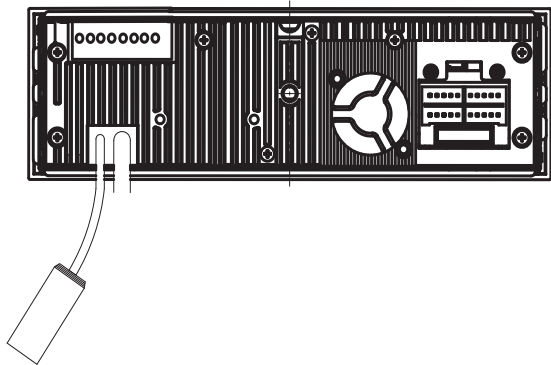
- 1 Insert the plug of the GPS cable to the navigation box.



## Connect radio antenna

If your car has built-in radio antenna, connect it to the radio antenna of the system for better radio signal.

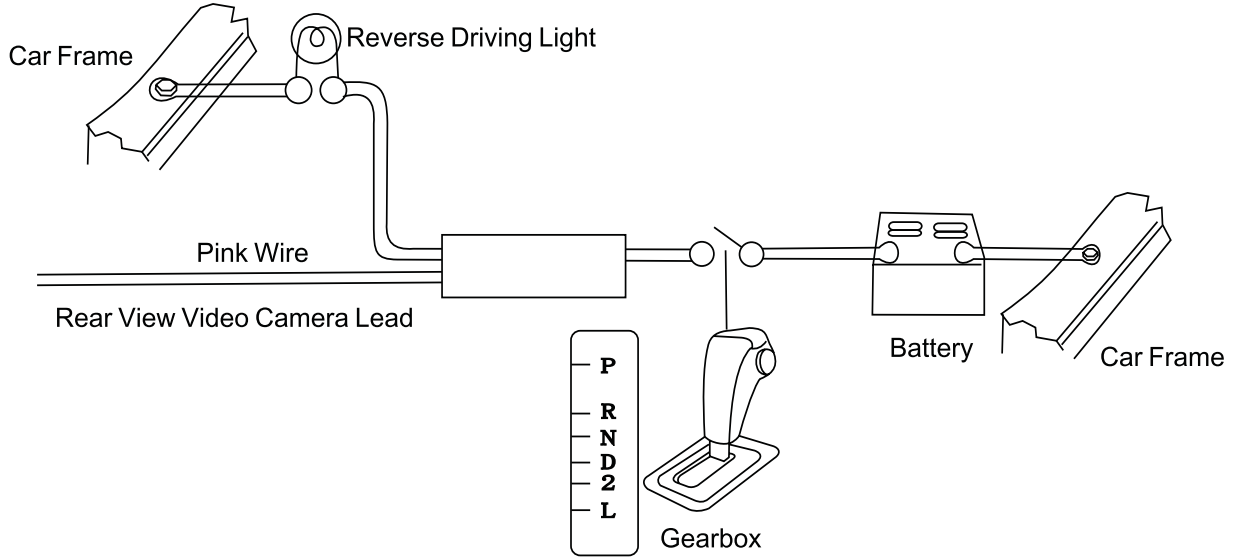
- 1 Connect the radio antenna on the back of the unit to the car antenna.





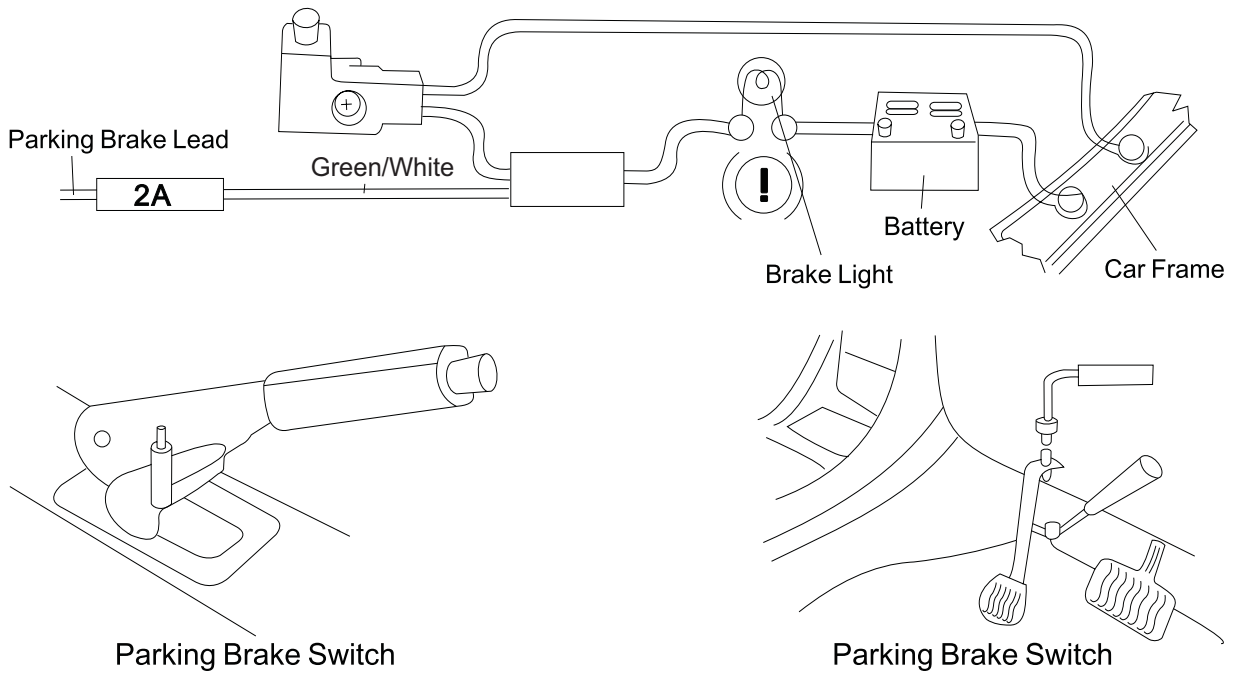
### Connect reverse driving cable

- 1 Refer to the illustration below to connect reverse driving wire.



### Connect parking brake wire

- 1 Refer to the illustration below to connect parking brake wire.



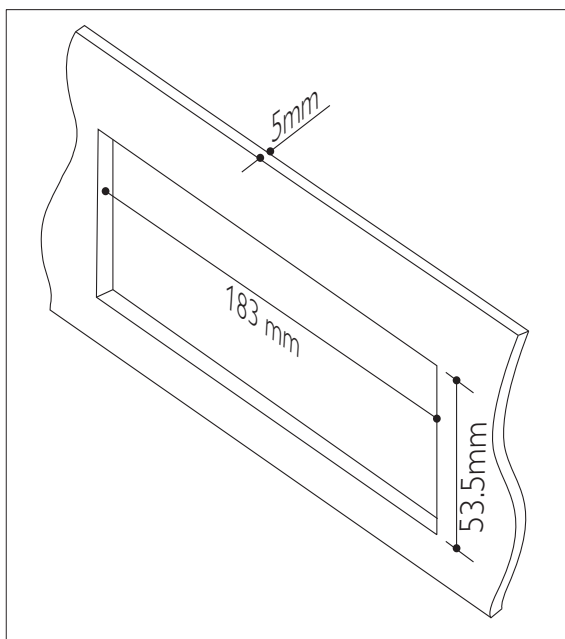


## Mount in the dashboard

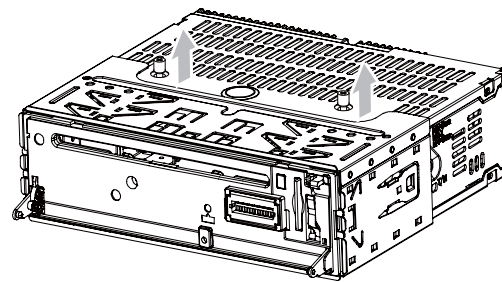
### Note

- For proper operation of the DVD player, the chassis must be mounted within 20 degree horizontal. Ensure that the unit is mounted within this limitation.

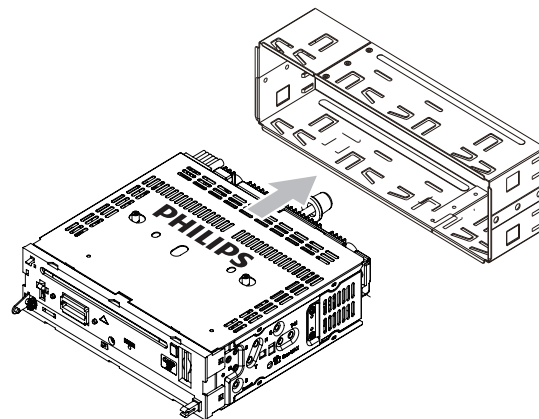
- 1 If the car does not have an on-board drive or navigation computer, disconnect the negative terminal of the car battery.
  - If you disconnect the car battery in a car that has an on-board drive or navigation computer, the computer may lost its memory.
  - If the car battery is not disconnected, to avoid short-circuit, ensure that bare wires do not touch each other.
- 2 Ensure that car dashboard opening is within these measurements:



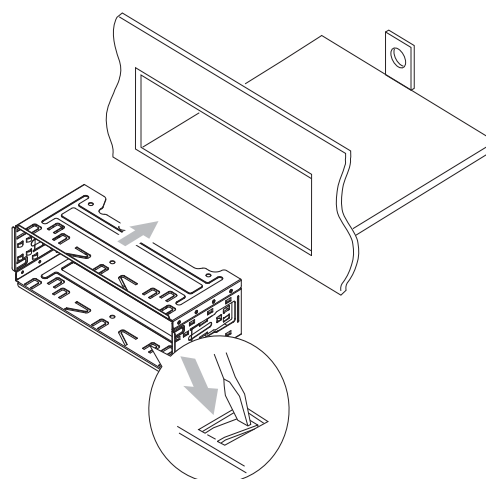
- 3 Remove the two transport screws on the top of the unit.



- 4 Remove the mounting sleeve with the removal keys.



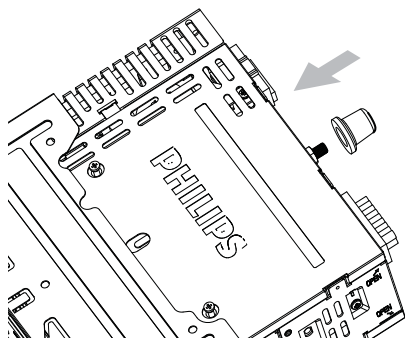
- 5 Install the sleeve into the dashboard and bend the tabs outward to fix the sleeve.
  - If the unit is not fixed by sleeve but by the supplied screws, skip this step.



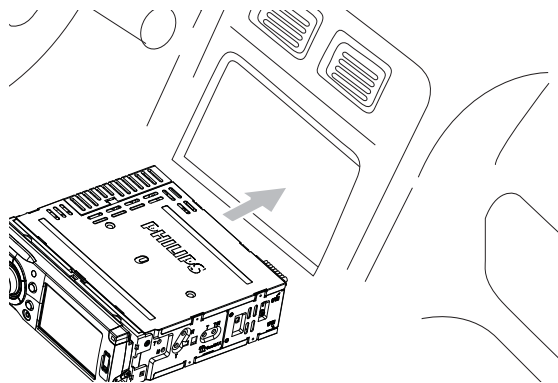




- 6 Place the rubber cushion over the end of the bolt.



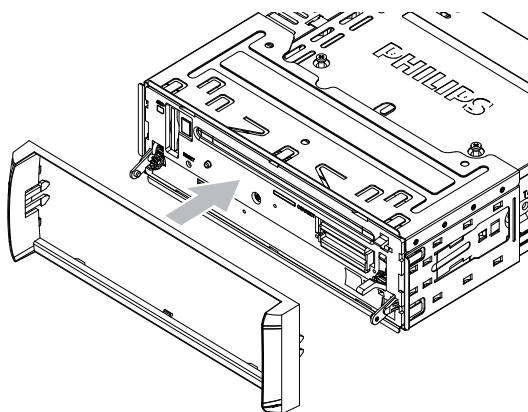
- 7 Slide the unit into the dashboard until a click sound is heard.



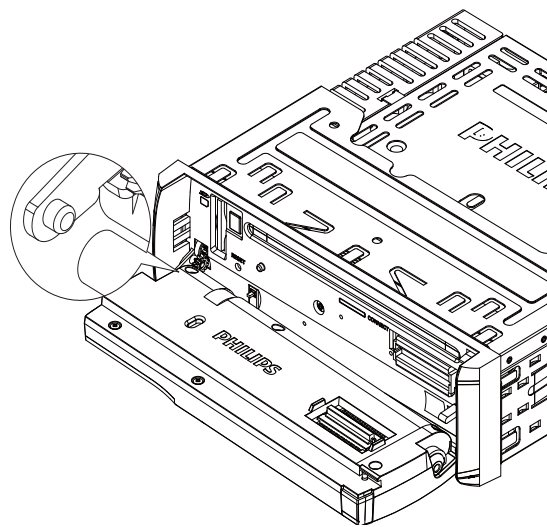
- 8 Reconnect the negative terminal of the car battery.

### Attach the front panel

- 1 Attach the trim plate.



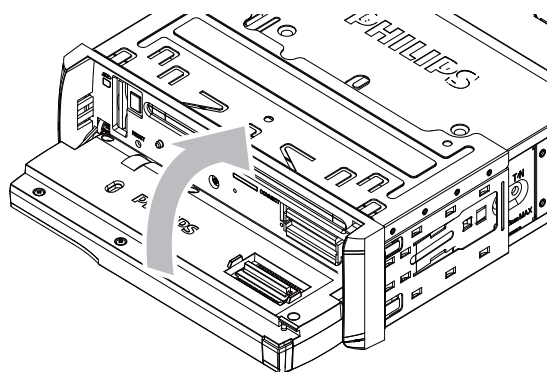
- 2 Insert the left side of the panel in the chassis until it is correctly engaged.



- 3 Press the right side of the panel toward the left and point the hole to the pillar on the right.

- 4 Release the panel to engage the right side.

- 5 Push the front side of the panel backward to the main unit until a "click" is heard.



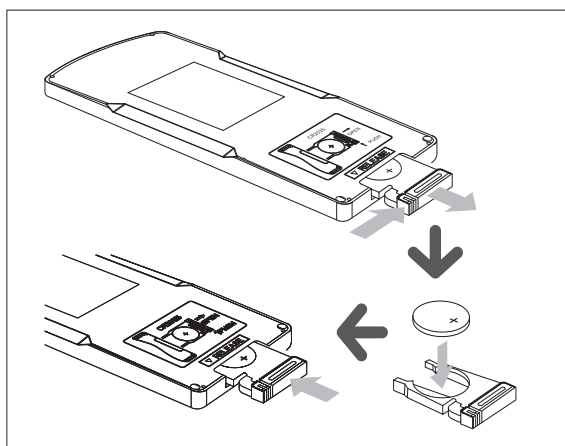
## Install remote control battery

### ! Caution

- Risk of explosion! Keep batteries away from heat, sunshine or fire. Never discard batteries in fire.
- Risk of decreased battery life! Never mix different brands or types of batteries.
- Risk of product damage! When the remote control is not used for long periods, remove the batteries.
- Perchlorate Material - special handling may apply. See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).

### For first-time use:


- 1 Remove the protective tab to activate the remote control battery.
- 2 Open the battery compartment.
- 3 Insert one CR2025 battery with correct polarity (+/-) as indicated.
- 4 Close the battery compartment.



## Turn on

### ! Caution

- Risk of road accidents! Never watch video or adjust settings while you drive.


- 1 Press  to turn on the unit.  
↳ The screen below displays.



- ↳ The available OSD (On-Screen Display) languages display.




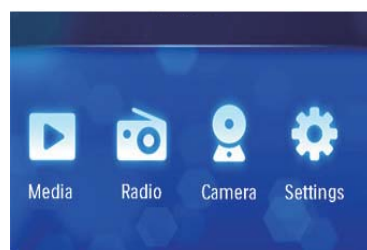
- 2 Touch a language to select.  
↳ The OSD language changes to the selected language immediately.

  - To turn off the unit, press and hold  for more than 2 seconds.

## Select display language

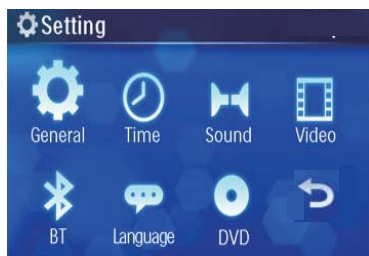
English is the default language for on-screen display. You can change the on-screen display language anytime.

- 1 Touch  on the touch panel to display main menu.





- 2 Touch **[Setting]** to display setting menu.



- 3 Touch **[Language]**.  
↳ The screen below displays.



- 4 Touch **[OSD Language]**.  
↳ Available languages display.

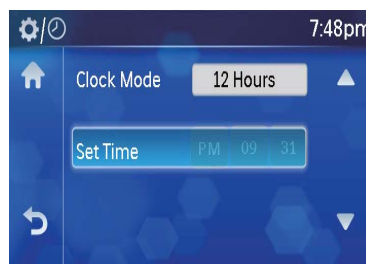


- 5 Touch ▼ to navigate all the available languages.
- 6 Touch and select the preferred language.  
↳ The display language changed to the selected language.

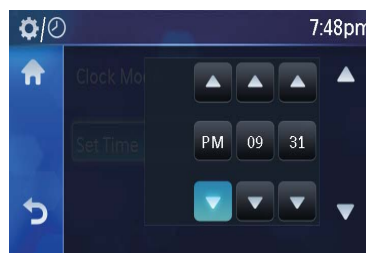
## Set clock

- 1 Touch **⬆** to display main menu.
- 2 Touch **[Setting]** to display setting menu.

- 3 Touch **[Time]**.  
↳ The time setting menu displays.



- 4 Touch **[Clock Mode]** to switch between clock mode options:
  - **[12 Hours]**
  - **[24 Hours]**
- 5 Touch **[Set Time]**.  
↳ Clock setting menu displays.



- 6 Touch ▼/▲ to adjust each setting.
- 7 Touch **⬆** to exit time setting menu.

## Use map

### Note


- You may need to upgrade the map (sold separately) before using it.

- 1 Touch **⬆** to display home menu.
- 2 Touch **[Navigation]**.  
↳ The navigation menu is displayed in a few seconds.
- 3 Refer to the map manual to operate the navigation tool.







# 4 Listen to radio

## Tune to a radio station


- 1 Touch  to display main menu.
- 2 Touch **[Radio]**.  
↳ Radio menu displays.

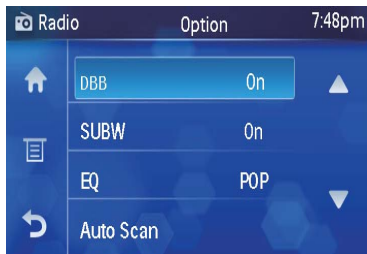



- 3 Touch **[FM]** repeatedly at the right-lower corner to switch among the band options.
  - FM band options: **[FM1]**, **[FM2]**, **[FM3]**
  - AM band options: **[AM1]**, **[AM2]**
- 4 Touch   to tune to a radio station manually.
  - To tune to a radio station automatically, touch and hold   more than 1 second.

## Select stereo/mono broadcasting


For stations with weak signals: to improve the reception, change to monoaural sound.

- 1 Under radio menu, touch .  
↳ Radio option menu displays.




- 2 Touch  to navigate to the second page of the option menu.




- 3 Touch **[Mono/ST]** repeatedly to switch between the options.
  - **[ST]**: stereo broadcast.
  - **[Mono]**: mono broadcast.
- 4 Touch  to exit the menu.

## Select tuner sensitivity

Before you start to search for radio stations, you can select tuner sensitivity.

- 1 Under radio menu, touch .  
↳ Radio option menu displays.



- 2 Touch  to navigate to the second page of the option menu.



- 3 Touch **[Local/Distance]** repeatedly to switch between the options.
  - **[Local]**: Only stations with strong signals can be broadcast.
  - **[Distance]**: Stations with strong and weak signals can be broadcast.

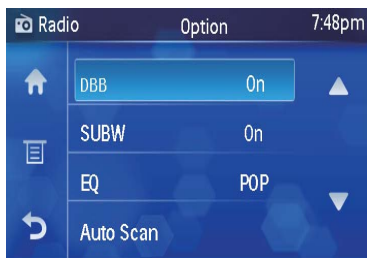


4 Press to exit the menu.

## Select AM tuner step

Before you start to search for AM radio stations, you can select how much hertz per step in AM radio searching.

1 Under radio menu, touch .  
↳ Radio option menu displays.



2 Touch to navigate to the second page of the option menu.



3 Touch **[AM Grip]** repeatedly to switch between the options.

- **[10k]:** 10 kHz per step in AM radio searching.
- **[9k]:** 9 kHz per step in AM radio searching.

4 Press to exit the menu.

## Tune by frequency

1 Touch **[FM]** at the right lower corner of the screen repeatedly to select band.



2 Touch middle of the radio menu.  
↳ The manual tune menu displays.



3 Touch the numbers to enter frequency.

- Touch to clear the last entered number.
- Touch to go back to the previous menu.
- Touch to confirm the entered frequency.
- The radio station on the frequency is broadcast.

## Store radio stations in memory

You can store up to 6 stations in each band.

## Store stations automatically

1 Touch to access radio option menu.





- 2 Touch **[Auto Scan]**.
  - ↳ Auto search starts. The six strongest stations of the selected band are saved in preset channels 1-6 automatically.

### Store stations manually

- 1 Tune to the preferred station.
  - ↳ If the station is not in the preset list, + displays on the lower line of the screen.



- 2 Touch the **+**.
  - ↳ The preset station list displays.
  - ↳ To navigate through all the preset stations, touch ▲/▼.



- 3 Touch one of the preset stations.
  - ↳ The station is preset.

### Play with RDS

The RDS (Radio Data System) function operates only in areas with FM stations broadcasting RDS signals. If you tune to an RDS station, an RDS icon and the station name are displayed.

### Activate AF/TA/REG/CT functions

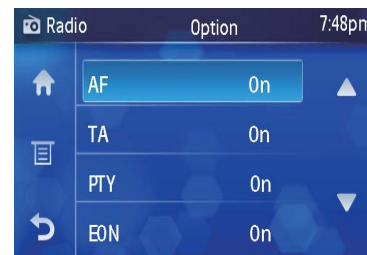
#### Note

- RDS function is default off

- 1 Touch to display radio option menu.
- 2 Touch ▼ to navigate to the second page of the option menu.



- 3 Touch **[RDS]**.
  - ↳ RDS is turned on.
  - ↳ RDS menu displays.



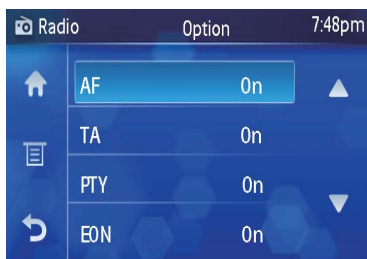
- 4 Touch the options to turn on/off each function.
  - AF (alternate frequency): automatically searches for a different station when the tuner cannot get a good reception.
  - TA (traffic announcement): allows you to receive traffic announcements automatically no matter what source you are listening to.
  - PTY (program type): search for stations broadcasting in the selected category. Help you to find certain type of programs.



- EON (Enhanced Other Networks) local stations 'break into' a national station's broadcast for the duration of a Traffic Announcement.
- CT (clock time): synchronizes the clock of the unit with that on the RDS station.

## Search for an RDS station by PTY information

- 1 Touch [PTY] under RDS menu.



↳ The PTY menu displays.



- 2 Touch ▲/▼ to navigate through all the types.
- 3 Select a program type by touch on it.  
↳ The unit starts to search for the selected type of stations.

## RDS program types

Item	Program type	Description
1	NEWS	News services
2	AFFAIRS	Politics and current affairs
3	INFO	Special information programs
4	SPORT	Sports
5	EDUCATE	Education and advanced training
6	DRAMA	Radio plays and literature
7	CULTURE	Culture, religion and society
8	SCIENCE	Science
9	VARIED	Entertainment programs
10	POP M	Pop music
11	ROCK M	Rock music
12	MOR M	Light music
13	LIGHT M	Light classical music
14	CLASSICS	Classical music
15	OTHER M	Special music programs
16	WEATHER	Weather
17	FINANCE	Finance
18	CHILDREN	Children's programs
19	SOCIAL	Social Affairs
20	RELIGION	Religion
21	PHONE IN	Phone In
22	TRAVEL	Travel
23	LEISURE	Leisure
24	JAZZ	Jazz Music
25	COUNTRY	Country Music
26	NATION M	National Music
27	OLDIES	Oldies Music
28	FOLK M	Folk Music
29	DOCUMENT	Documentary
30	TES	Alarm Test
31	ALARM	Alarm





## Tune to a preset station

- 1 Select the band with preset stations.
- 2 Touch on the left side of the screen.



↳ Preset station list displays.



- 3 Touch / to navigate through all the preset stations.
- 4 Select and touch on a preset station.  
↳ The unit tunes to the selected preset station.

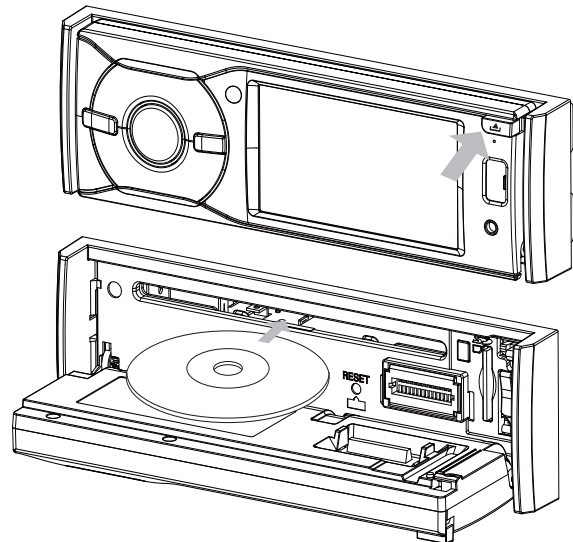
## 5 Play

### Load discs

You can play video, audio or images stored on the following discs:

- DVD video, DVD-R, DVD-RW
- VCD
- Audio CD, CD-R, CD-RW

- 1 Press to open the front panel.
- 2 Insert the disc into the disc slot with label side facing up.  
↳ Play starts automatically.



- 3 Close the front panel.  
↳ After a few seconds, the screen turns on.
- To remove the disc, press the button.  
↳ When the disc is ejected, the unit switches to radio mode automatically.

#### Tip





- If the disc is blocked in the disc compartment, press and hold until the disc comes out.



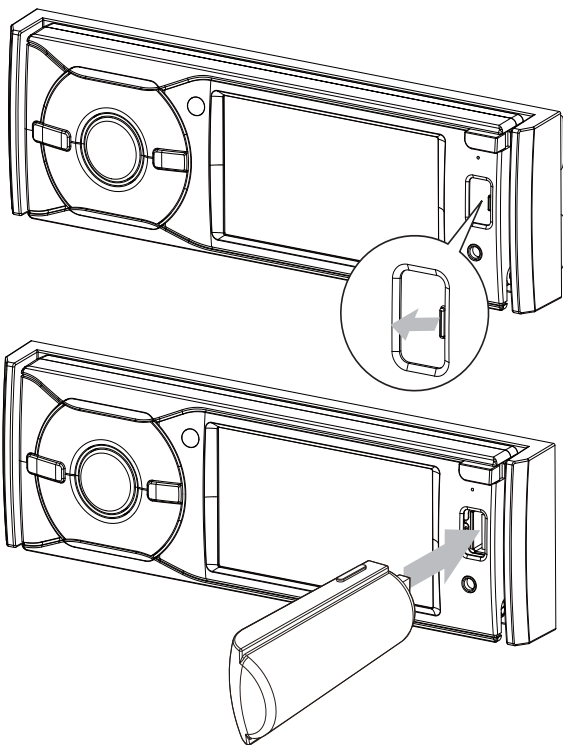


### Note

- Depends on where you bought the unit, you can play DVD discs with one of the following region codes:

Countries where you bought the unit	Supported DVD region code
China	
Asia Pacific, Taiwan, Korea	
Latin America	
Russia, India	


## Insert USB device



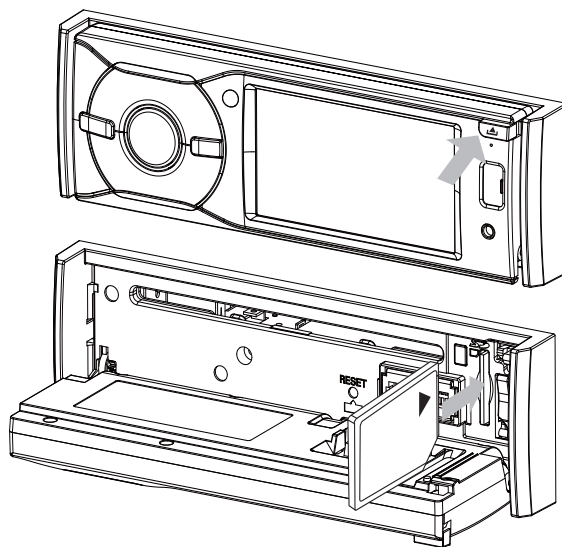
- 1 Slide the USB socket cover to the left.
- 2 Insert the USB device into the USB socket.  
↳ The unit starts playing from the USB device automatically.


English

## Remove the USB device


- 1 Press  to turn off the unit.
- 2 Remove the USB device.

## Insert SDHC card



- 2 Press  to open the front panel.
- 3 Insert the SDHC card into the card slot.  
↳ The unit starts playing from the SDHC card automatically.

## Remove the SDHC card

- 1 Press  to turn off the unit.
- 2 Press the card until you hear a click sound.  
↳ The card is now disengaged.
- 3 Remove the card.



## Play/Pause

- 1 Once the disc, USB or SDHC card is inserted, play starts automatically.
  - For video discs, if a menu appears: touch ▲/▼ to navigate through the menu, then touch on an item to start play.
  - For disc/USB/SD card that contain MP3s, WMAs, or JPEGs: touch ▲/▼ to navigate through the tracks/pictures, then touch on an item to start play.
- 2 To pause, touch ■■.
  - To resume play, touch ►.

## Search for a folder

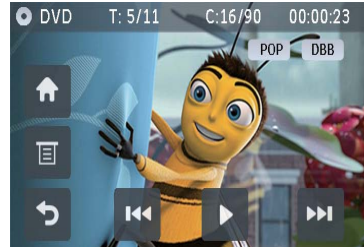
- 1 Touch ↶ to return to playlist menu.
- 2
  - **For video files:** Touch 📺 to display all available video files.
  - **For audio files:** Touch 🎵 to display all available audios.
  - **For picture files:** Touch 🖼️ to display all available pictures.
- 3 Select and touch on a file.
  - ↳ The selected file starts to play.
  - To skip to previous/next chapter/track, touch ⏮️/⏭️.

## Search within a track

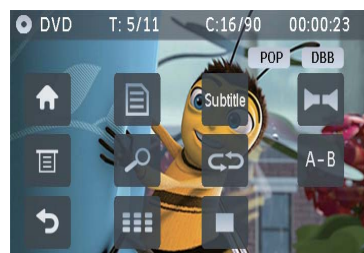
- 1 During play, press and hold ⏮️/⏭️ on the remote control.
  - ↳ Search fast-backward/forward within the track.

## Direct search

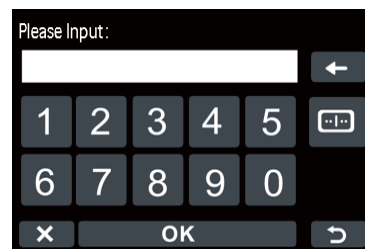
- 1 During play, touch 📄 on the screen.



↳ The option menu displays.



- 2 Touch 📄.
  - ↳ The direct search screen displays.



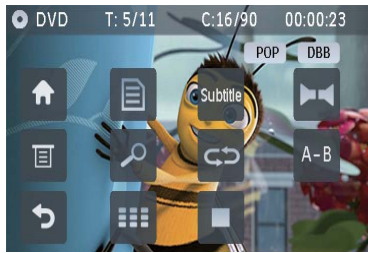
- 3 Touch 📄 repeatedly to choose searching by chapter/title/time.
  - The search options available depends on the media source type.
- 4 Touch the numbers to enter chapter/track number or minute/second digits within one track.
  - To clear the previous input, touch ⬅️.
  - To clear all input, touch ✖️.
- 5 Touch [OK] on the bottom of the screen.
  - ↳ Playback starts from the specified point.




## Repeat

You can play tracks, folders, all files or certain section within one track repeatedly.

- 1 During play, touch  to display option menu.



- 2 Touch:
  -  repeatedly to switch among different repeat modes.
  - **A-B** to repeat play certain section within one track.



## Random play

You can play tracks/files in random order.

- 1 During play, press **SHUFF** on the remote control repeatedly to select different random play modes.


## Select audio language

For video discs that contain two or more audio channels.

- 1 During play, touch  to display option menu.
- 2 Touch  to select audio channel.

## Select subtitle language

For DVD or DivX discs that contain two or more subtitle languages.

- 1 During play, touch  to display option menu.
- 2 Touch **[Subtitle]** to select a language.
  - ↳ The selected language is displayed.



### Tip



- You may also press **SUBTITLE** on the remote control repeatedly to select subtitle language.

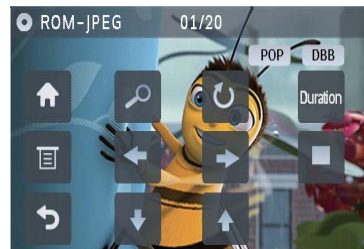
## Change view angle

Some DVDs contain alternate scenes, such as scenes recorded from different camera angles. For such DVDs, you can select from the available alternate scenes.

- 1 During play, press **ANGLE** on the remote control repeatedly to select different view angles.

## Rotate pictures







- 1 During viewing pictures, touch  to display option menu.
- 2 Touch  to rotate the picture.






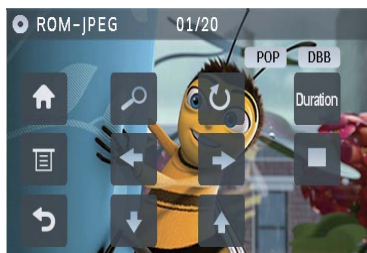
## Zoom

You can zoom in pictures for a close view.

- 1 During video play or picture view, touch  to display option menu.
- 2 Touch  repeatedly to zoom in/out the picture.
- 3 Touch , ,  or  to pan through the enlarged picture.

## Select slide show duration

- 1 During viewing pictures, touch  to display option menu.
- 2 Touch **[Duration]** repeatedly to select:



- **[Duration]: [Fast]**
- **[Duration]: [Normal]**
- **[Duration]: [Slow]**

## 6 Play with Bluetooth device

You can make or receive phone calls with Bluetooth-enabled phones through the unit. You can also listen to music from a Bluetooth-enabled device.

### Pair the Bluetooth-enabled devices

The first time you connect your Bluetooth device to the unit, you need to pair the device to the unit. Pairing needs only to be done once. You can pair up to eight devices.

#### Note

- The operational range between this unit and a Bluetooth device is approximately 10 meters (30 feet).
- Before you connect a Bluetooth device to this unit, familiarize yourself with the Bluetooth capabilities of the device.
- Compatibility with all Bluetooth devices is not guaranteed.
- Any obstacle between this unit and a Bluetooth device can reduce the operational range.
- Keep this unit away from any other electronic device that may cause interference.

- 1 Turn on the Bluetooth function on your device.
- 2 Search for Bluetooth device with your device.
- 3 Select "CED370" in the pairing list.
- 4 Enter default password "0000".
  - ↳ if pairing succeeds, name of the paired device displays on the panel.



## Disconnect Bluetooth devices

- To disconnect one device, touch (red icon).  
↳ (green icon) displays.

### Tip

- The device will also be disconnected when the device is moved beyond the operational range.
- If you want to reconnect the device to the unit, place it within the operational range.
- If you do not want to reconnect the device to the unit automatically, touch > **[Auto Connect]** until **[Off]** displays. For details, see the "Adjust Bluetooth settings" section.

### Tip

- If the paired device is moved beyond the operational range, when it is brought back, please check if the device is still connected with the system:
- If they are connected, (red icon) is displayed.
- If connection is lost, (green icon) is displayed. Follow the instruction above to pair the device with the system again.

## Make a call

- Pair the phone with the unit.
- Touch > **[Media]** > **[BT]** to access phone call menu.



- Touch to navigate through the options under this menu:
  - [Quick dial]**
  - [Dialed calls]**
  - [Received calls]**
  - [Missed calls]**
- Touch on an option to access all the calls or numbers under this option.
- Touch on a call.  
↳ The unit starts to dial the number of the selected call.



Or touch to enter number directly, then touch green to dial.



## Receive call

By default, all incoming calls are received automatically.





- 1 If there is incoming call, **[Incoming call...]** flashes on the screen. Speak into the Bluetooth microphone.



- 2 When conversation ends, touch (red) to terminate the call.



Tip

- You can select to receive calls manually by set **[Auto Answer]** to **[Off]** status.

## Switch phone call to the mobile

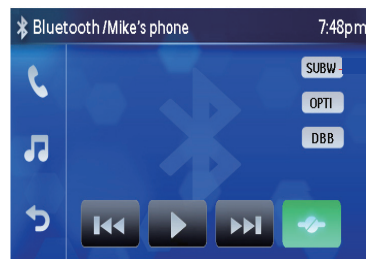
If you do not want your passenger to hear your incoming call, you can switch the call to the mobile.

- 1 During talking, touch .
  - ↳ The voice is transferred from the unit's loudspeaker to the mobile phone.

## Listen to music from Bluetooth device

If the connected Bluetooth device supports Advanced Audio Distribution Profile (A2DP), you can listen to the music stored on the device through the unit. If the device also supports Audio Video Remote Control Profile (AVRCP) profile, you can use the control on the unit or its remote control to play music stored on the device.

- 1 Pair your device with the unit.
- 2 Start play music via your device.
  - If your device support AVRCP.
- 1 Touch > **[Media]** > **[BT]** to access Bluetooth menu.
  - ↳ The Bluetooth menu displays.
- 2 Touch .
  - ↳ Music play menu displays.



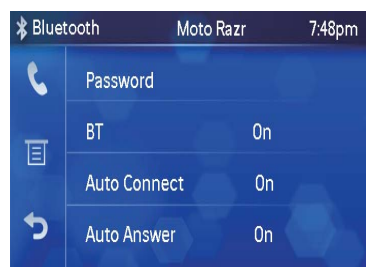
- 3 Touch to start play.

## Adjust Bluetooth settings

You can change below Bluetooth settings:

- **[Password]:** set pairing code
- **[BT]:** turn on or off "Bluetooth" function
- **[Auto Connect]:** turn on or off "Auto connect" function
- **[Auto Answer]:** turn on or off "Auto answer" function

- 1 In Bluetooth menu, touch .
  - ↳ The option menu displays.





- 2 Touch on the option to change the setting.


# 7 Adjust sound


## Adjust volume


- 1 Press +/- on the front panel to increase/decrease volume.


## Mute

- 1 During play, press .
  - To turn the sound back on, press  again.


 **Tip**

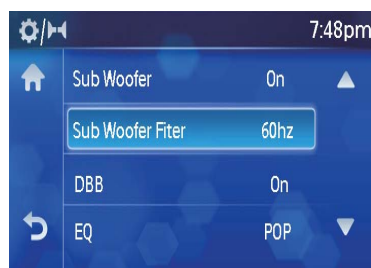
- You can also turn off sound by touching  on the screen.


 **Note**

- During mute mode, some buttons that control playback, like , are disabled.







## Select preset equalizer

- 1 Touch  > [Setting] > [Sound] to access sound setting menu.




- 2 Touch  to access the second page of the menu.
- 3 Touch on [EQ].
  - ↳ The current Equalizer setting displays.

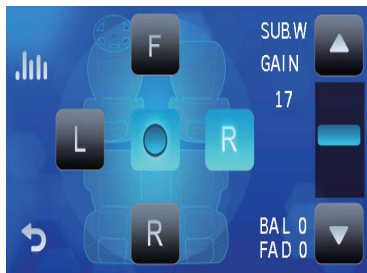


- 4 Touch  or  to switch among equalizer options.
  - [USER]
  - [Techno]
  - [Rock]
  - [Classic]
  - [Jazz]
  - [Optimal]
  - [FLAT]
  - [Pop]
- 1 Touch  or  to adjust below settings:
  - [Bass] bass range: -14 to +14.
  - [MID] middle range: -14 to +14.
  - [TRE] treble range: -14 to +14.
  - [LPH] low pass filter range: 60, 80, 100, 200.
  - [MPF] middle pass filter range: 500, 1K, 1.5K, 2.5K.
  - [HPF] high pass filter range: 10K, 12.5K, 15K, 17.5K.
- 2 Touch  to restore the above settings into default settings.
- 3 Press  to exit the menu.

## Adjust fader/balance

You can also adjust the front and rear speaker balance, the left and right speaker balance, and subwoofer settings.

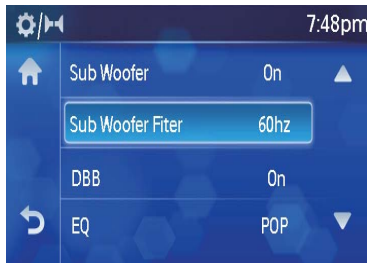
- 1 Under Equalizer setting menu, touch .
  - ↳ Balance options display:



- 2 Touch ▲ or ▼ to select subwoofer volume.
  - [Subwoofer] subwoofer volume: 0 to 24.
- 3 Touch F, R, L, or R to adjust fader/balance value.
  - [Fad] fader range: +24 to -24. (F = front speaker, R = rear speaker)
  - [Bal] balance range: -24 to +24. (L = left speaker, R = right speaker)
- 4 Touch ↶ to exit the menu.

## Set Dynamic Bass Boost (DBB)

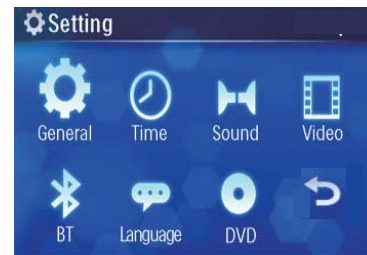
- 1 Under sound setting menu, touch [DBB] to turn on/off the setting.



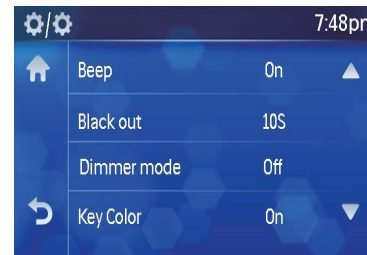
## 8 Adjust settings

### Adjust general system settings

- 1 Touch ⬆️>[Setting] to display setting menu.



- 2 Touch [General]
  - ↳ The general settings menu is displayed.



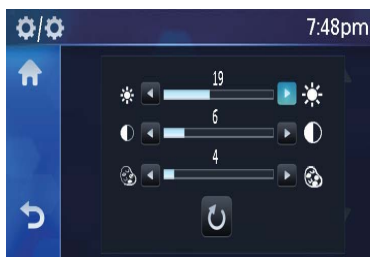
- 3 Touch an option repeatedly to select:

System settings	Options	Description
[Beep]	[On]	Turn on the beep sound. Each time you press a button, the unit beeps.
	[Off]	Turn off the beep sound.
[Blackout]	[Off]	Never turn on the screen saver.
	[10s]/[20s]	Turn on the screen saver automatically 10/20 seconds after last operation.





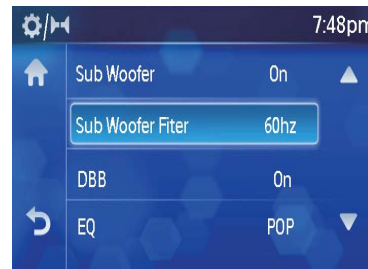
System settings	Options	Description
[Dimmer mode]	[Off]	Never turn on the screen dim.
	[On]	Turn on the screen dim automatically 5 seconds after last operation.
[Key color]	[Red]/ [Blue]	Button backlight turns red/blue.
[Background image]	[Blue]/ [Black]	Change the background color to blue/black.
[Display adjust]	brightness/ contrast/ saturation	Touch the option to display the screen below, then adjust each setting by touching on ◀▶.
[Screen calibration]		Calibrate the touch screen.
[Factory reset]		Reset all the settings to factory settings.
[TFT version]		Version of the display screen.



4 Press ↵ to exit.

## Adjust sound settings

1 Touch **⬆**>[Setting]>[Sound] to display sound setting menu.



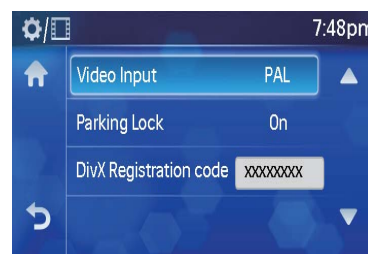
2 Touch an option repeatedly to select:

Sound settings	Options	Description
[Sub Woofer]	[On]/[Off]	The subwoofer is on/off.
[Sub Woofer Filter]	[60HZ]/ [80 Hz]/ [100HZ]/ [120 Hz]	Select subwoofer filter criteria.
[DBB]	[On]/[Off]	The Dynamic Bass Boost (DBB) function is on/off.
[EQ]		Select and adjust equalizer settings. Please see details under "Select preset equalizer".

3 Press ↵ to exit.

## Adjust video settings

1 Touch **⬆**>[Setting]>[Video] to display video setting menu.





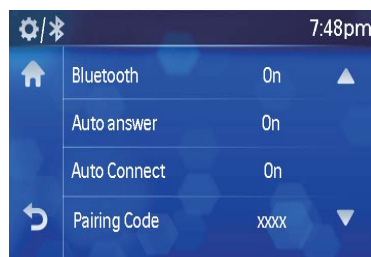
2 Touch an option repeatedly to select:

Video settings	Options	Description
[Video Input]	[Auto]	The correct format is set automatically. Select this option if you are not sure which format should be selected.
	[NTSC]	Used in the United States, Canada, Japan, Mexico, the Philippines, South Korea, Taiwan, and some other countries.
	[PAL]	Used in China, India, Singapore, the western European countries (except France), Australia, and some other countries.
[Parking Lock]	[On]/[Off]	Enable/disable video view when you drive.
[Divx Registration code]		View code for DivX registration.

3 Press to exit.

## Adjust Bluetooth settings

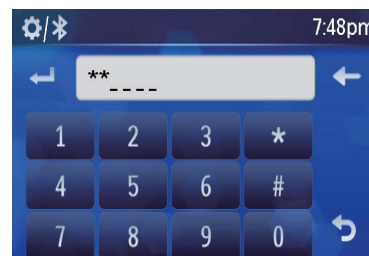
1 Touch > [Setting] > [BT] to display Bluetooth setting menu.



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2 Touch an option repeatedly to select:

Bluetooth settings	Options	Description
[BT]	[On]/[Off]	The Bluetooth function is on/off.
[Auto Answer]	[On]	Answer paired phone call automatically.
	[Off]	Answer phone call manually.
[Auto Connect]	[On]	If the pre-paired device is within the effective range, the unit re-connects to pre-paired device automatically.
	[Off]	Need to re-connect manually.
[Pairing code]		View code for pairing the unit with other Bluetooth devices. To enter new code: Touch on this option to display the code enter screen as below. Touch the numbers to enter new code. Touch  to clear the last entered number. Touch  to confirm the entered frequency. Touch  to go back to the previous menu.



3 Press to exit.



## Adjust language settings

- 1 Touch **⬆**>[Setting]>[Language] to display language setting menu.



- 2 Touch an option repeatedly to select:

Language settings	Options	Description
[OSD Language]	[English]/ [Español]/ [Português]/ [简体中文]/ [繁体中文]	Select on-screen-display language.
[DVD Audio]		Select DVD audio language. Options available depend on DVD disc.
[DVD subtitle]		Select DVD subtitle language. Options available depend on DVD disc.
	[Off]	Turn off subtitle language display.
[Disc menu]		Select DVD menu language. Options available are depends on DVD disc.

- 3 Press **⬅** to exit.

## Adjust DVD rating

- 1 Touch **⬆**>[Setting]>[DVD] to display DVD setting menu.
- 2 Touch an option repeatedly to select:

DVD rating	Options	Description
[Passcode]		Set password to restrict the play of discs. The default password is 0000.
[Rating Level]	[Kid Safe]	Acceptable for children.
	[PG]	Parental guidance suggested.
	[G]	Acceptable for general viewers.
	[PG13]	Parental guidance suggested for children under 13.
	[PG-R]	Recommend parents to restrict children under 17 to view.
	[R]	Restricted. Recommend parent to guide children under 17 to view.
	[NC-17]	Unsuitable for children under age 17.
	[Adult]	Acceptable for adults only.
[DVD Factory Set]		Restore to default settings.

- 3 Press **⬅** to exit.

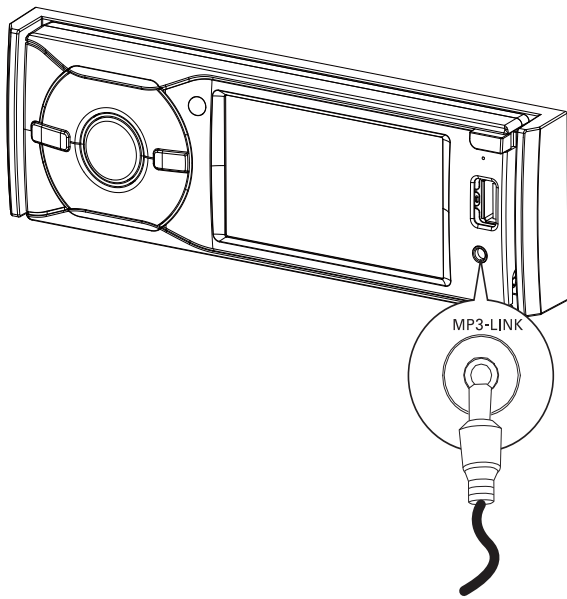


## 9 Others

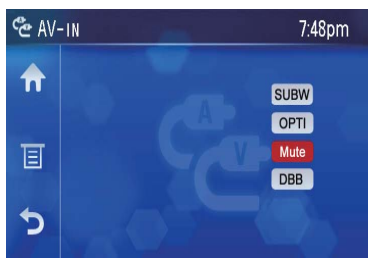
### Listen to other devices

You can connect an external audio/video device to the unit.

- 1 Connect the device to the unit with the supplied MP3-Link cable.



- 2 Touch **▲**>[Media]>[MP3-LINK].  
↳ MP3-Link screen displays.

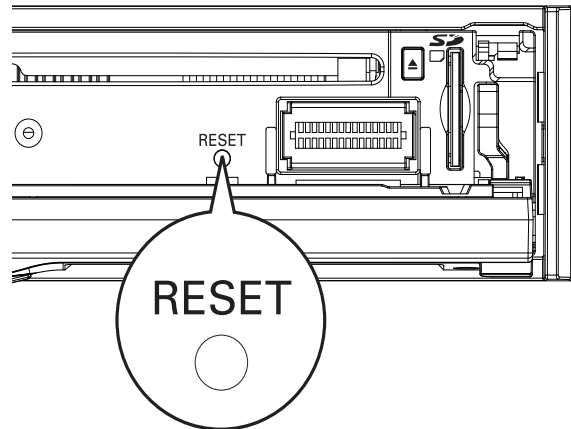


- 3 Begin play on the device (see the device instructions).

### Reset

When the unit hangs up, you can reset it.

- 1 Press **RESET** with a ball-point pen or similar tool.



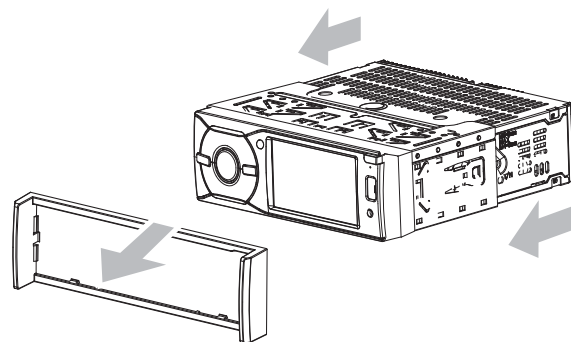
#### Tip

- When the unit is reset, all the settings restore to the factory settings.

### Remove the unit

To repair, replace fuse, or replace the unit with another car audio, remove it from the dashboard.

- 1 Take off the trim plate.
- 2 Screw off the four (4) screws on the left/right side of the unit.
- 3 Pull the unit out from the dashboard.

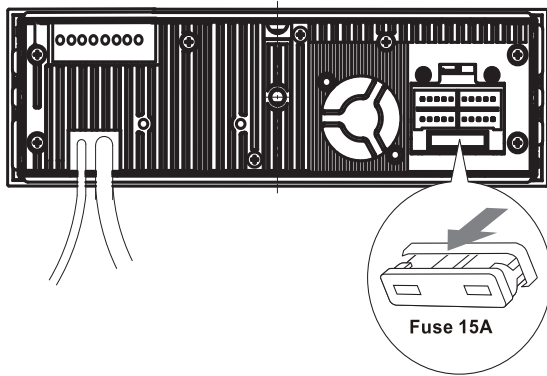




## Replace fuse

If there is no power, the fuse may be damaged and need to be replaced.

- 1 Take out the unit from dashboard.
- 2 Check the electric connection.
- 3 Buy a fuse that matches the voltage of the damaged fuse (15A)
- 4 Replace the fuse.



If the fuse gets damaged immediately after it has been replaced, there may be an internal malfunction. In such case, consult your Philips dealer.

# 10 Product information

## Note

- Product information is subject to change without prior notice.

## General

Power supply	12 V DC (11 V - 16 V), negative ground
Fuse	15 A
Suitable speaker impedance	4 - 8 $\Omega$
Maximum power output	40 W $\times$ 4 channels
Continuous power output	22 W $\times$ 4 channels (4 $\Omega$ 10% T.H.D.)
Pre-Amp output voltage	2.0 V ( CD play mode; 1 kHz, 0 dB, 10 k $\Omega$ load)
Subwoofer output voltage	2.0 V (CD play mode, 61 Hz, 0 dB, 10 k $\Omega$ load)
Aux-in level	$\geq$ 500 mV
Dimensions (W $\times$ H $\times$ D)	178 $\times$ 100 $\times$ 160 mm
Weight (main unit)	2.5 kg

## Disc player

System	DVD / CD audio / MP3 system
Frequency response	20 Hz - 20k Hz
Signal/noise ratio	>75dB
Total harmonic distortion	Less than 1%
Channel separation	>55dB
Video signal format	NTSC only
Video output	1 +/- 0.2V



### Tuner

Frequency range - FM	87.5 - 108.0 MHz (Europe)
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Frequency range - AM (MW)	522 - 1620 KHz (Europe)
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Usable sensitivity - FM	5 uV
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Usable sensitivity - AM (MW)	50 uV
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### LCD

Screen size	3.5 inches (16:9)
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Display resolution	320 x 240 dots
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Contrast ratio	300
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Brightness	350 cd/m2
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### Bluetooth

Communication system	Bluetooth Standard version 2.0
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Output	Bluetooth Standard Power Class 2
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Maximum communication range	Line of sight approx. 8m
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Frequency band	2.4 GHz band (2.4000 GHz - 2.4835 GHz)
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Compatible Bluetooth profiles	Hands-Free Profile (HFP) Handset Profile (HSP) Advanced Audio Distribution Profile (A2DP) Audio Video Remote Control Profile (AVRCP)
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Supported codecs	
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Receive	SBC (Sub Band Codec)
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Transmit	SBC (Sub Band Codec)
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### Compatible USB devices:

- USB flash memory (USB 2.0 or USB1.1)
- USB flash players (USB 2.0 or USB1.1)
- memory cards (SD / MMC / SDHC)

### Supported formats:

- USB or memory file format: FAT16, FAT32
- MP3 bit rate (data rate): 32-320 Kbps and variable bit rate
- WMA v9 or earlier
- Directory nesting up to a maximum of 8 levels
- Number of albums/ folders: maximum 99
- Number of tracks/titles: maximum 999
- ID3 tag v2.0 or later
- File name in Unicode UTF8 (maximum length: 128 bytes)

### Unsupported formats:

- Empty albums: an empty album is an album that does not contain MP3/WMA files, and is not be shown in the display.
- Unsupported file formats are skipped. For example, Word documents (.doc) or MP3 files with extension .dlf are ignored and not played.
- AAC, WAV, PCM audio files
- DRM protected WMA files (.wav, .m4a, .m4p, .mp4, .aac)
- WMA files in Lossless format
- ISO9660, Joliet
- Maximum title number: 512 (depending on file name length)
- Maximum album number: 255
- Supported sampling frequencies: 32 kHz, 44.1 kHz, 48 kHz
- Supported Bit-rates: 32~256 (kbps), variable bit rates

### Supported video formats:

- DVD
- Divx Home theater
- MP4
- Xvid

### Note

- To ensure a better playback, bit rate of 4.5 Mbps is recommended.



# 11 Troubleshooting



## Caution

- Never remove the casing of this apparatus.

To keep the warranty valid, never try to repair the system yourself.

If you encounter problems when using this apparatus, check the following points before requesting service. If the problem remains unsolved, go to the Philips web site ([www.philips.com/support](http://www.philips.com/support)). When you contact Philips, ensure that your apparatus is nearby and the model number and serial number are available.

### No power

- Car engine has not been started. Start the car engine.
- Connections is incorrect.
- Fuse has been damaged. Replace fuse.

### No sound

- Volume is too low. Adjust volume.
- Speaker connections is incorrect.

### Disc does not play

- Disc is upside down. Ensure the printed side is upwards.
- Disc is dirty. Clean the disc with a clean, soft, lint-free cloth. Wipe the disc outwards from the center.
- Disc is defective. Try another disc.
- incompatible disc is used. Try another disc.
- Disc rating exceeds the restrict setting. Change the rating settings to lower one.
- Disc region code is not compatible with the unit. Use disc with proper region code.

### No image

- Parking brake wire connection is incorrect. Check the parking wiring.

### Image flashes or distorted

- Video DVD settings do not match with the DVD. Adjust video DVD settings.

- Video connection is improper. Check the connections.

### Noise in broadcasts.

- Signals are too weak. Select other stations with stronger signals.
- Check the connection of the car antenna.
- Change broadcast from stereo to mono.

### Preset stations lost.

- Battery cable is not correctly connected. Connect the battery cable to the terminal that is always live.

### Fuse is broken

- The Fuse type is incorrect. Replace it with a 15A fuse.
- Speaker wire or power wire is grounded. Check the connections.

### Display show ERR-12

- USB data error. Check the USB device.

## About Bluetooth device

### Music playback is unavailable on the system even after successful Bluetooth connection.

- The device cannot be used with the system to play music.

### The audio quality is poor after connection with a Bluetooth-enabled device.

- The Bluetooth reception is poor. Move the device closer to the system or remove any obstacle between the device and the system.

### Cannot connect with the system.

- The device does not support the profiles required for the system.
- The Bluetooth function of the device is not enabled. Refer to the user manual of the device for how to enable the function.
- The system is not in the pairing mode.
- The system is already connected with another Bluetooth-enabled device. Disconnect that device or all other connected devices and then try again.



**The paired mobile phone connects and disconnects constantly.**

- The Bluetooth reception is poor. Move the mobile phone closer to the system or remove any obstacle between the mobile phone and the system.
- Some mobile phones may connect and disconnect constantly when you make or end calls. This does not indicate any malfunction of the system.
- For some mobile phones, the Bluetooth connection may be deactivated automatically as a power-saving feature. This does not indicate any malfunction of the system.

## 12 Glossary

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### B

#### **Bite rate**

The max data transfer through the USB port.

#### **Bluetooth**

Bluetooth® is a short-rang wireless protocol that is meant to allow mobile devices to share information and applications without the worry of cables or interface incompatibilities. The name refers to a Viking King who unified Denmark. Operate at 2.4GHz. For more information, see [www.bluetooth.com](http://www.bluetooth.com).

### M

#### **MMC**

MultimediaCard. A type of memory card with a flash memory.

#### **MP3**

A file format with a sound data compression system. MP3 is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. With the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD.

### R

#### **Region code**

A system that allows discs to be played only in the region designated. This unit only plays discs that have compatible region codes. You can find the region code of your unit on the product label. Some discs are compatible with more than one region (or ALL regions.)

### S

#### **SD**

Secure Digital. A type of memory card with a flash memory.





## SDHC

Secure Digital High Capacity (SDHC) is a type of flash memory card based on the SDA 2.00 specification. The SDA 2.00 specification enables SD cards to reach higher capacities from 4GB to 32GB, and growing.

English

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## W

### WMA (Windows Media Audio)

An audio format owned by Microsoft, is a part of Microsoft Windows Media technology. Includes Microsoft Digital Rights Management tools, Windows Media Video encoding technology, and Windows Media Audio encoding technology.



