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CID3691



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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.

- The apparatus shall not be exposed to dripping or splashing.
- Do not place any sources of danger on the apparatus (e.g. liquid filled objects, lighted candles).

Notice

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.



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



**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.



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

Official DivX® Certified product. Plays all versions of DivX® video (including DivX® 6) with standard playback of DivX® media files.

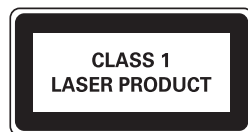


Manufactured under license from Dolby Laboratories.

"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:



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2 Your in-car entertainment 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.

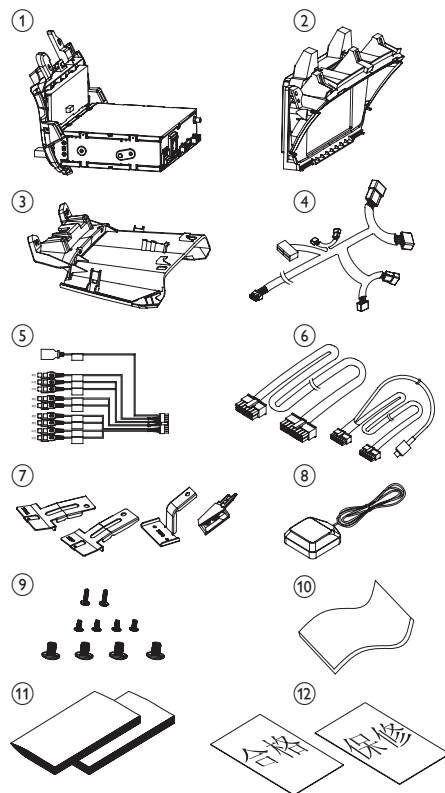
Introduction

With the car entertainment system, you can:

- quickly find routine through the navigation system
- enjoy audio/video/JPEG pictures from
 - DVD, VCD or CD
 - USB devices
 - SD/SDHC/MMC cards
- easily access host car audio system

What's in the box

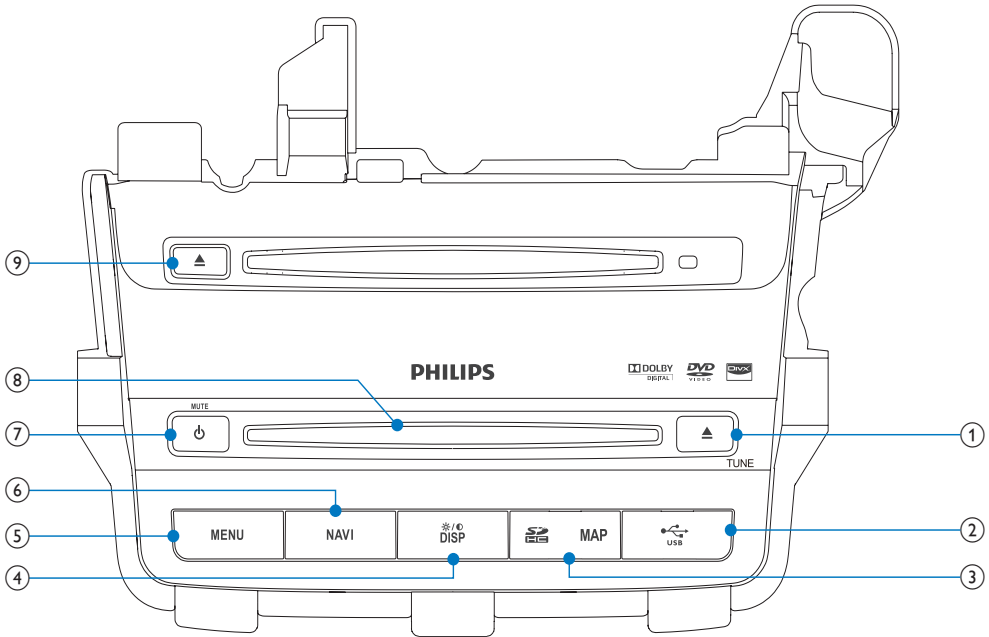
Check and identify the contents of your package:



- ① Main unit
- ② Display screen
- ③ Base bracket
- ④ Wire harness
- ⑤ AV cable
- ⑥ Control cables
- ⑦ Mounting brackets
- ⑧ GPS antenna
- ⑨ Screws
 - M2x6 x 2pc
 - M2.6x5mm x 4 pcs
 - M5x6mm x 4 pcs
- ⑩ Cleaning cloth

- ⑪ Printing materials (include User manual, Quick start guide, Installation guide)
- ⑫ QC card / Guarantee card

Overview of the main unit



- ① ▲
 - Eject disc.
- ② USB
 - Open the cover and connect the AV IN/USB device.
- ③ MAP
 - Open the cover and insert/remove the SDHC/GPS map card.
- ④ DISP/⊙
 - Adjust screen brightness.
 - Turn on/off the screen display.
- ⑤ MENU
 - Return to the home menu.
- ⑥ NAVI
 - Enter the GPS navigation system or exit.
- ⑦ MUTE
 - Turn the unit on or off.
 - Mute or unmute audio.
- ⑧ Disc slot
- ⑨ ▲
 - Eject disc from the disc loader of the host car audio system.

3 Get started



Caution

- Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

Always follow the instructions in this chapter in sequence.

Install the car audio

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 system, 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.

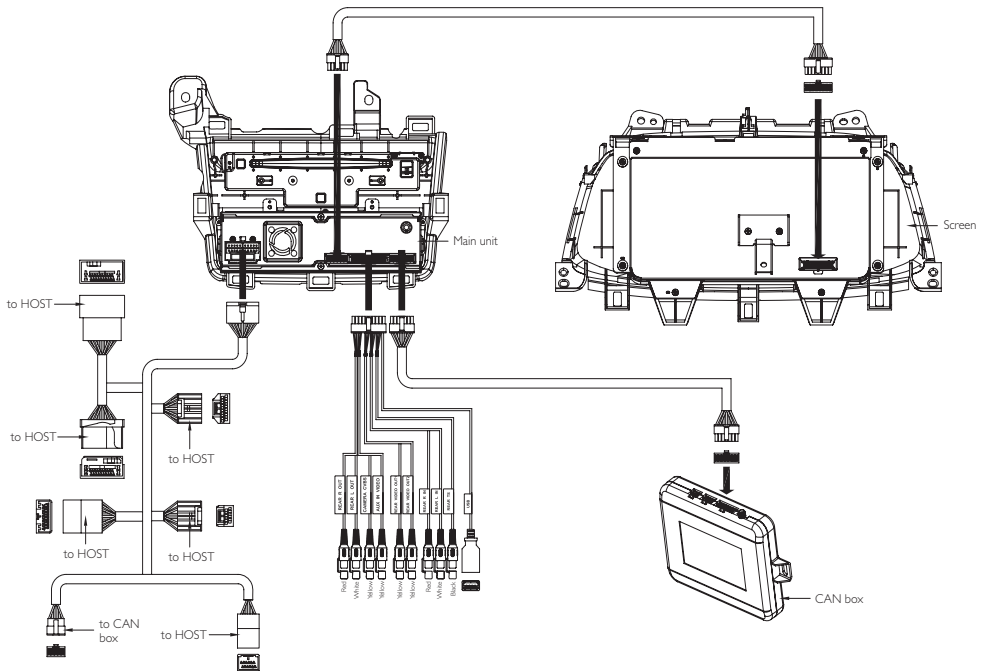
Connect wires



Caution

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

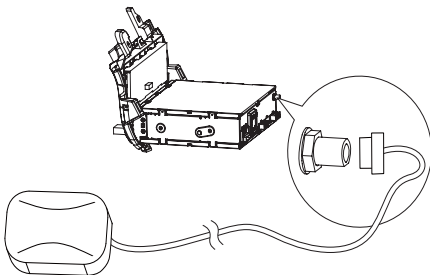
- 1 Check the car's wirings carefully, then make the other connections.



Connect GPS antenna

To receive signal from satellites, connect the supplied GPS antenna to your car and the system.

- 1 Connect the supplier GPS antenna to the system first.



- 2 Stick the other end of the GPS antenna to a metal surface of the car.

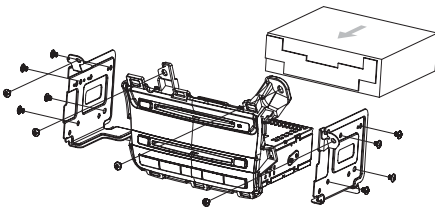
Mount in the dashboard

Note

- Check wire connections before you mount the unit into a car.

- 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 lose 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 the horizontal slant of the car dashboard opening is between 0 and 20 degrees. The unit cannot be used if the dashboard opening's slant angle is above 20 degrees.
 - 3 Install the supplied screen brackets and fix the screen to the car.
 - 4 Remove the disc loader from the host car audio system and then install the disc loader to the unit.
 - 5 Install the mounting brackets to the unit with screws.
 - 6 Slide the unit into the dashboard and fix it to the car with four screws.



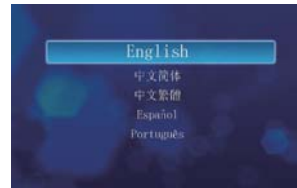
- 7 Reconnect the negative terminal of the car battery.

Turn on

! Caution

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

- 1 Press and hold **MUTE** to turn on the unit.
 - ↳ The available OSD (On-Screen Display) languages are displayed.



- 2 Tap a language to select.
 - ↳ The OSD language is changed to the selected language immediately.
- To turn off the unit, press and hold **MUTE**.

Set date and time

- 1 Tap **HOME** to display main menu.



- 2 Tap **[Settings]**.
- 3 Tap **[Time]**.
 - ↳ The date/time setup menu is displayed.



Set date

- 1 Tap **[Date]**.
- 2 Tap on the displayed date information.
 - ↳ A submenu is displayed.



- 3 Tap \blacktriangle or \blacktriangledown to set year, month and day.

Set clock mode

- 1 Tap [Clock mode].



- 2 Tap on [12Hr] or [24Hr] to select clock mode.

Set time

- 1 Tap [Time].
2 Tap on the displayed time.
↳ A submenu is displayed.



- 3 Tap \blacktriangle or \blacktriangledown to set hour and minute.



Tip

- When date/time is set, tap \rightarrow to return to main menu.

4 Use map



Note

- You may need to upgrade the map (sold separately) before using it (see "Upgrade the map" section)

- 1 Tap the upper left corner to display home menu.
- 2 Tap [Navigation].
↳ The navigation menu is displayed in a few seconds.
- 3 Refer to the map manual to operate the navigation tool.

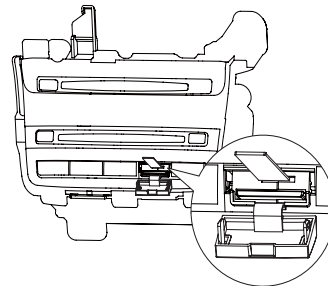


Tip

- You can press **NAVI** to enter/exit the navigation system.

Upgrade the map

- 1 Turn off the car audio system.
- 2 Open the SD/MAP socket cover.
- 3 Press the map card (sold separately) until you hear a click sound.
- 4 Take out the card and bring it to the authorized service center for upgrade.



- 5 Insert the upgraded map card back into the map card slot.
- 6 Turn on the car audio.
 - ↳ The map upgrades in a few minutes.

5 Play

Load discs

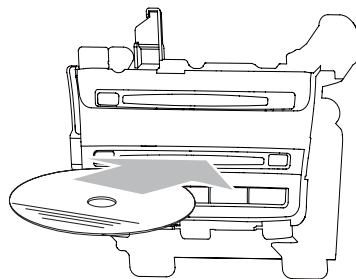
You can play video, audio or images stored on the following discs:

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

Note

- Ensure that the disc contains playable content.





- 1 Insert a disc into the disc slot with the label side facing up.
 - ↳ Play starts automatically.



- ↳ To remove the disc, press ▲
- ↳ When the disc is ejected, the unit switches to the previous source, if connected.

Note

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

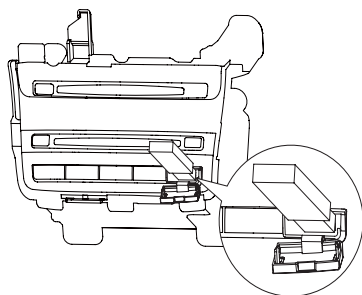
Countries where you bought the unit	Supported DVD region code
China	
Asia Pacific, Taiwan, Korea	
Latin America	
Russia, India	

Connect USB device

Note

- Ensure that the device contains playable content.

- 1 Open the USB socket cover.
- 2 Insert the USB device to the USB socket.
↳ Play starts automatically.



Remove the USB device

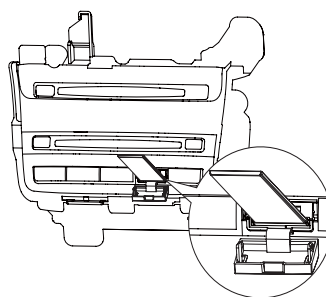
- 1 Switch to another (non-USB) source.
- 2 Remove the USB device.

Insert USB or SD/MMC card

Note

- Ensure that the device contains playable content.
- The unit supports SDHC card.

- 1 Open the USB/SD/MAP socket cover.
- 2 Insert the SD/MMC card into the SD/MMC card slot.
↳ Play starts automatically.



Remove the SD/MMC card

- 1 Switch to another source.
- 2 Press the card until you hear a click sound.
↳ The card is now disengaged.
- 3 Remove the SD or MMC card.

Play options

Play/Pause

- 1 Once a disc, USB or SD/MMC card is inserted, play starts automatically.



For DVD movie, if a menu appears, tap a item to start play.

- 2 To pause, tap **⏸**.
 - To resume play, tap **▶**.

Skip/search

- 1 Tap **↶** to return to playlist menu.
- 2 Tap one of below icons to select folder/file:



- **📁**: To display all available audio folders/track.
- **🖼️**: To display all available picture folders/files.
- **🎬**: To display all available video folders/files

- 3 Tap **▲** or **▼** to select a folder/track.
- 4 Tap **▶** to start play.

Search within a title/folder

Direct search

- 1 Tap anywhere except for the upper left corner to display menu on the screen, if necessary.
- 2 Tap **🔍**.
 - ↳ The search screen is displayed.



↳ For video files, tap **1/2** first, then tap **🔍**.

- 3 Tap the numbers to enter chapter/file number; then tap **✓**.
 - To clear the previous input, tap **↶**.
 - To clear all input, tap **X**.

Repeat

During play, you can select different repeat play modes.

For DVD/VCD movie disc:

- 1 Tap anywhere except for the upper left corner to display menu on the screen, if necessary.




- 2 Tap **1/2** to display the 2nd menu.







- 3 Tap **🔄** to select:
 - **[Repeat chapter]**: play the current chapter repeatedly.
 - **[Repeat title]**: play all chapters in the title repeatedly.
 - **[Repeat off]**: cancel repeat play.

For VCD karaoke:

- 1 Tap  to select:
 - **[Repeat one]**: play the current track repeatedly.
 - **[Repeat all]**: play all tracks repeatedly.
 - **[Repeat off]**: cancel repeat play.

For MP3/WMA files:

- 1 During play, tap  to select:
 - -1: play the current track repeatedly.
 - -Folder: play all the tracks in the current folder repeatedly.
 -  (in grey color): cancel repeat play.




Repeat a section

You can repeat a specific section of video file (repeat A-B).

- 1 During play, tap anywhere except for the upper left corner to display menu on the screen, if necessary.
- 2 Tap **1/2** to display the 2nd menu, if necessary.
- 3 Tap **A-B** repeatedly to mark:
 - **[Repeat A-]**: the start of the section to repeat.
 - **[Repeat A-B]**: the end of the section to repeat.
 - The selected section plays repeatedly.
- 4 To exit A-B repeat mode, tap **A-B** repeatedly until **[Repeat A-B off]** is displayed.


Random play

You can play audio tracks/files in random order.

- 1 During play, tap  repeatedly to turn random play on or off.
 -  is highlighted: start random play.
 -  turns gray: cancel random play.


Select audio language

For video discs that contain two or more audio channels.

- 1 During play, tap anywhere except for the upper left corner to display menu on the screen, if necessary.
- 2 Tap **1/2** to display the 2nd menu.
- 3 Tap  repeatedly.
 - ↳ The audio channel information is displayed on the upper line of the screen.


Select audio mode

When you play VCDs, you can select an audio mode (R/L/Stereo).

- 1 During play, tap anywhere except for the upper left corner to display menu on the screen.
- 2 Tap  repeatedly until the audio mode is selected.

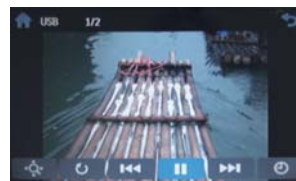
Select subtitle language

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

- 1 During play, tap anywhere except for the upper left corner to display menu on the screen, if necessary.
- 2 Tap **1/2** to display the 2nd menu
- 3 Tap  repeatedly to select a language.
 - ↳ The selected language is displayed.

Rotate pictures


- 1 When you view pictures, tap anywhere except for the upper left corner to display menu on the screen, if necessary.

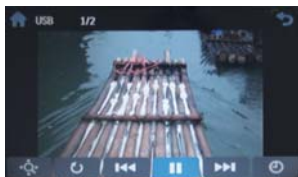






- 2 Tap  repeatedly to rotate the picture.

Zoom


You can zoom in pictures for a close view.

- 1 During picture viewing, tap anywhere except for the upper left corner to display menu on the screen, if necessary.
- 2 Tap  repeatedly to zoom in the picture.



- 3 Tap , ,  or  to pan through the enlarged picture.

Select slide show duration

- 1 Tap anywhere except for the upper left corner to display menu on the screen, if necessary.
- 2 Tap  repeatedly to select:
 - **Fast:** 3 seconds
 - **Normal:** 5 seconds
 - **Slow:** 8 seconds

Listen to other devices

You can listen to the radio and enjoy all other features of the host car audio system.

- 1 Tap  to display main menu.
- 2 Tap **[HOST]** to display host car audio menu.



Tip



- For host car audio operations, refer to the instructions manual of the host car audio system.

6 Adjust sound

Adjust volume


- 1 Use the volume control of the host car audio system to increase/decrease volume.

Mute

- 1 During play, press /MUTE.
 - To restore the sound, press /MUTE again.




Tip

- You can also tap  on the screen to turn off sound.

Select preset equalizer

You can select preset equalizer:

- **[User]**
- **[Techno]**
- **[Rock]**
- **[Classic]**
- **[Jazz]**
- **[Optimal]**
- **[Flat]**
- **[Pop]**

- 1 Tap anywhere except for the upper left corner to display menu on the screen, if necessary.
- 2 Tap .
 - ↳ The current Equalizer setting is displayed.



- 3 Tap ◀ or ▶ to select an EQ.
- 4 Tap ▲ or ▼ to adjust below settings:
 - **[Bass]** bass range: -14 to +14.
 - **[Mid]** middle range: -14 to +14.
 - **[Treb]** 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.
- 5 Tap ⏮ to restore the above settings into default settings.
- 6 Tap ↶ to exit.

- 4 Tap ▲ or ▼ to select subwoofer volume.
 - **[Sub]** subwoofer volume: 0 to 24.
- 5 Tap **F**, **R**, **L**, or **R** to adjust fader/balance value.
 - **[Fade]** fader range: +24 to -24.
(F = front speaker, R = rear speaker)
 - **[Balance]** balance range: -24 to +24.
(L = left speaker, R = right speaker)
- 6 Tap ↶ to exit.

Set Dynamic Bass Boost (DBB)

- 1 Tap to toggle between the settings.
 - **[DBB]** on: The icon is illuminated.
 - **[DBB]** off (default): The icon is gray.

Adjust fader/balance

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

- 1 Tap anywhere except for the upper left corner to display menu on the screen, if necessary.
- 2 Tap .
- 3 Tap .
 - ↳ Below options are displayed:



7 Adjust settings

Display system setup menu


- 1 Tap  to display main menu.



- 2 Tap [Settings].
↳ The settings menu is displayed.

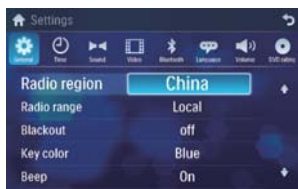




Tip

- When the setup is complete, tap  to return to main menu.

Adjust general settings

- 1 Tap [General], if necessary.



- 2 Tap  or  to highlight a setting.
- 3 Tap on the option to display/select an option.

General settings	Options	Description
[Blackout]	[off]	Never turn on the screen saver.
	[10s]	Turn on the screen saver automatically 10 seconds after last operation.
	[20s]	Turn on the screen saver automatically 20 seconds after last operation.
[Dimmer Mode]	[Night]	Select this mode at night.
	[Dark]	Select this mode in dark environment.
	[Normal]	Set screen dimmer to normal mode.
	[Bright]	Select this mode in bright environment.
[Key color]	[Red]	Button backlight turns red.
	[Blue]	Button backlight turns blue.
[Beep]	[On]	Turn on the beep sound. Each time you press a button, the unit beeps.
	[Off]	Turn off the beep sound.
[WallPaper]	[Blue]	Turn background color to blue.
	[Black]	Turn background color to black.
	[Red]	Turn background color to red.
	[F1]	Select F1 picture as wall paper.
[Calibration]		Calibrate the touch screen.

- 4 Tap  to exit.

Adjust sound settings

1 Tap [Sound].



2 Tap an option repeatedly to select:

Sound settings	Options	Description
[DBB]	[On]	The Dynamic Bass Boost (DBB) function is on.
	[Off]	The DBB function is off.
[DRC]	[On]	Makes loud sound level softer and soft sound level louder so that you can watch the DVD movies at a low volume, without disturbing others
	[Off]	The DRC function is off.

3 Tap ↩ to exit.

Adjust video settings

1 Tap [Video].



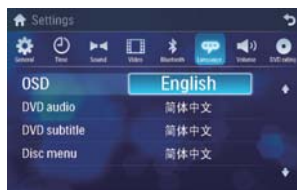
2 Tap an option repeatedly to select:

Video settings	Options	Description
[Aspect ratio]	[Full]	For widescreen display.
	[Normal]	For normal display.
[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.
	[Secam]	Used in France, Russia and other countries.
[Parking]	[On]	Disable video view during drive.
	[Off]	Enable video view during drive.
[DivX registration code]		View code for DivX registration.

3 Tap ↩ to exit.

Adjust language settings

1 Tap [Language].



2 Tap an option repeatedly to select:

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

[Disc menu]	[English]	Select DVD menu language. Options available depend on DVD disc.
	[简体中文]	
	[繁体中文]	
	Español	
	Português	

3 Tap ↩ to exit.

Adjust volume settings

You can set different volume for different modes.

1 Tap [Volume].

↳ The volume setting sub-menu is displayed.



2 Tap on a source.

- [DVD]
- [USB]
- [SDHC]
- [AV-IN1]
- [AV-IN2]
- [Navigation]

3 Tap ▲ or ▼ to assign a value: 0 to 12.

↳ When you switch to the source, the volume increases automatically.

4 Tap ↩ to exit.

Adjust DVD rating

- 1 Tap [DVD rating].



- 2 Tap an option repeatedly to select:

DVD rating	Options	Description
[Set password]		Set password to restrict the play of discs. The default password is 0000.
[Rating level]	[Kid safe]	Acceptable for children.
	[G]	Acceptable for general viewers.
	[PG]	Parental guidance suggested.
	[PG-13]	Unsuitable for children under age 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.
[Load factory]		Restore to default settings.

- 3 Tap ↩ to exit.

8 Others

Listen to other devices

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

- 1 Ensure that the car AUX device is connected to the unit.
- 2 Tap to display the main menu.
- 3 Tap [CAR AUX] to play the device.



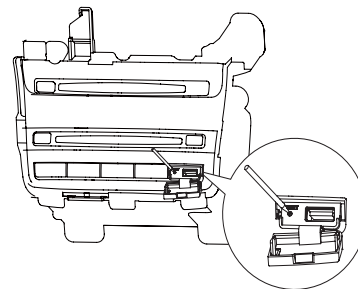
Tip

- If you connect the system to other audio device through the **REAR OUT L/R** connector (see the "Connect wires" section), tap [AV-IN2] to listen to that device.

Reset

When the unit hangs up, you can reset it.

- 1 Open the USB socket cover.
- 2 Press the RESET button with a ball-point pen or similar tool.



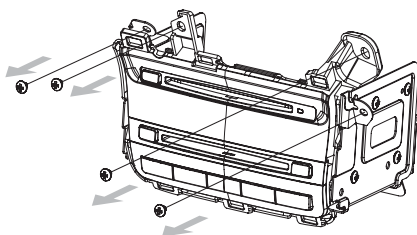
Tip

- When the unit is reset, all the settings remain unchanged.

Remove the unit

To repair, replace fuse, or replace the unit, remove it from the dashboard.

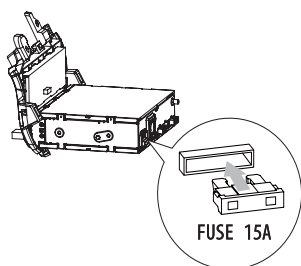
- 1 Screw off the four (4) screws on the left/right side of the unit.
- 2 Pull the unit out from the dashboard.



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.



Note

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

9 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 Ω
Maximum power output	50 W \times 4 channels
Continuous power output	24 W \times 4 channels (4 Ω 10% T.H.D.)
Pre-Amp output voltage	2.0 V (CD play mode; 1 kHz, 0 dB, 10 k Ω load)
Subwoofer output voltage	2.0 V (CD play mode, 61 Hz, 0 dB, 10 k Ω load)
Aux-in level	\geq 500 mV
Dimensions (W \times H \times D)	248 \times 182 \times 220 mm
Weight (main unit)	3.1 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

LCD

Screen size	8 inches (16:9)
Display resolution	800 x 480 dots
Contrast ratio	300
Brightness	350 cd/m2

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)

Supported MP3 disc 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: 32-320 Kbps and variable bit rate

Supported video formats:

- DVD
- Divx Home theater
- MP4
- Xvid

**Note**

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

10 Troubleshooting

**Warning**

- 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/welcome). When you contact Philips, ensure that the 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.

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/SD/MMC data error. Check the USB device or SD/MMC card.

11 Glossary

B

Bite rate

The max data transfer through the USB port.

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

RDS (Radio Data System)

RDS tuners can automatically tune in stations according to the types of music (or talk) they broadcast. RDS also enables a receiver to display text messages and even graphics (usually call letters and format information) that many FM stations include on a sub-carrier signal within their normal broadcast signal. Some RDS equipped tuners can even override with traffic alerts or emergency broadcasts, during playback of other media - CD MD, or cassette. There are other useful features too, many of which are offered by the growing number of RDS stations.

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.

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.



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