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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 no 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 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



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.



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Offical DivX® Certified product. Plays all versions of DivX® video (including DivX® 6) with standard playback of DivX® media files. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Philips is under license.

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"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.

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.

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.

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. 2010 © Koninklijke Philips Electronics N.V. All rights reserved.

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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.

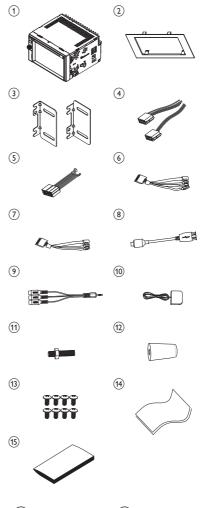
Introduction

With the car entertainment system, you can

- Quickly found routine through the navigation system And you can also enjoy:
- Audio/video/IPEG pictures from
 - DVD, VCD or CD
 - **USB** devices
 - SD/SDHC/MMC cards
 - External devices
- FM or AM (MW) radio
- Audio from Bluetooth-enabled devices Besides, you can make/receive phone calls with Bluetooth-enabled devices.

What's in the box

Check and identify the contents of your package:

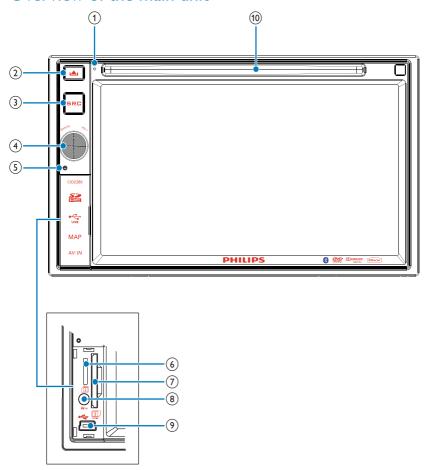


- Main unit
- Trim plate
- Mounting bracket x 2
- (4) ISO cable
- (5) Control wire I/O out cable
- 6 AV out cable
- (8) USB cable
- 9 AV in cable
- (10) GPS antenna
- (11) Bolt

Rubber cushion

- (13) Screw x 8
- (14) Clean cloth
- (15) Printing material

Overview of the main unit



- 1 Built-in microphone
- 2 📤
 - Eject disc.
- 3 SRC
 - Select source.
 - Turn the screen on or off.
- (4) VOL/①/MUTE
 - Adjust volume.
 - Turn the unit on or off.
 - Turn mute on or off.

- (5) RESET
 - Reset when it hangs up.
- 6 Navigation map card slot
- (7) SD card slot
- 8 Audio/video in socket (AV IN)
- 9 USB socket (←)
- ① Disc slot

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 orin 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.

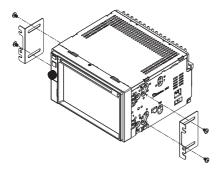
Mount in the dashboard



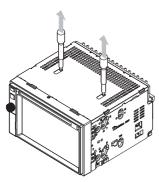
Note

- Check wire connection before you mount the unit into a car.
- If preset radio stations are lost when the ignition key is turned OFF and then back ON, reconnect the red leads crosswise to the yellow ones.
- 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 might lose its memory.
 - If the car battery is not disconnected, to avoid short-circuit, make sure that bare wires do not touch each other.
- 2 Take out the original car audio and keep the screws,
- **3** Connect wires (see "Connect wires" section).

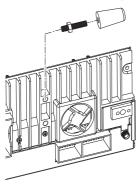
4 Mount the brackets onto the unit with the screws.



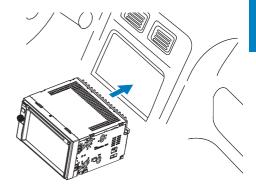
5 Take off the two screws on the top side of the unit.



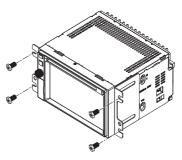
6 Mount on the supplied bolt and rubber cushion, if necessary.



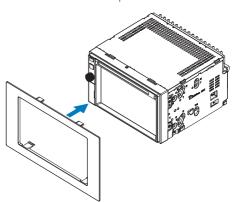
7 Slide the unit into the dashboard until a click sound is heard.



8 Fix the unit onto the dashboard with screws.



9 Mount on the trim plate.

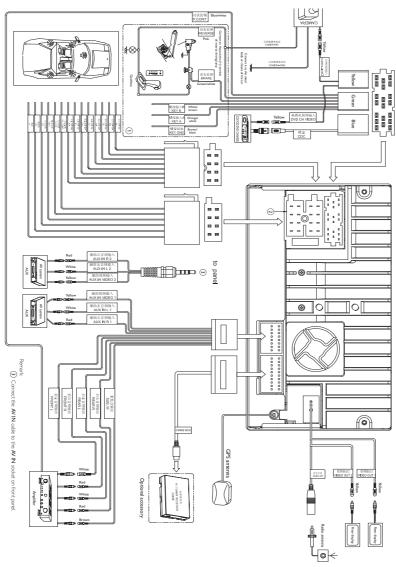


10 Reconnect the negative terminal of the car battery.

Connect wires

Caution

- Ensure that all loose leads are insulated with electrical tape.
- Check the car's wiring carefully, then do the other connections:



Turn on

- Caution
- Risk of road accidents! Never watch video or adjust settings while you drive.
- 1 Press of to turn on the unit.
 - → The available OSD (On-Screen Display) languages are displayed.



- 2 Tap a language.
 - → The OSD language is changed to the selected language immediately.
- To turn off the unit, press of for 3 seconds.

Turn the screen on/off

- 1 Press **SRC** for over 2 seconds
 - → The screen is turned off.
 - → To turn on the screen, press **SRC**.



• To adjust screen brightness, see "Adjust settings" section.

Set date and time

- 1 Tap ♠.
 - → The main menu is displayed.



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



Set date

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



3 Tap ♠ or ♥ to set year, month and day.

Set time mode

1 Tap [Time mode].



2 Tap [12H] or [24H] to select clock mode.

Set time

- **1** Tap [Time].
- 2 Tap the displayed time.
 - → A submenu is displayed.



3 Tap ♠ or ♥ to set hour and minute.



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

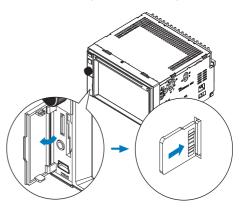
4 Use navigation system

Insert map card



Not

- Navigation map card is not included in the packaging of the car entertainment system.
- 1 Open the card door.
- 2 Insert the map card into the map card slot.



3 Close the card door.

Use map



Note

- You might need to upgrade the navigation map (sold separately) before using it. See "Upgrade the map" section
- 1 Tap the upper left corner to display main menu.
- 2 Tap [Navigation].
 - → The navigation menu is displayed in a few seconds.

Refer to the user manual of the navigation map to operate the navigation tool.

Upgrade the map

- 1 Exit navigation system.
- 2 Open the card cover. press on the map card until you hear a click sound.
- Pull out the map card and bring it to the authorized service center for upgrade.
- 4 Insert the upgraded map card back into the card slot.
- 5 Turn on the car audio.
 - → The map upgrades in a few minutes.

5 Listen to radio

Tune to a radio station

- 1 Tap ♠ to display home menu.
- 2 Tap [Radio].
 - → Band and frequency information is displayed.



- 3 Tap on FM or AM to select band:
 - FM band options: FM1, FM2, FM3
 - AM band options: AM1, AM2
- 4 Briefly tap ◀ or ▶ to tune to a radio station by step.
 - Tap ◀ or ▶ for over 1 seconds to tune to a radio station automatically.

Tune by frequency

- 1 Tap FM or AM to select band.
- 2 Tap **■**.



3 Tap **[Goto]**.

Tap the numbers to enter frequency.



- Tap ← to clear the last entered number.
- Tap X to clear all the entered numbers.
- Tap ✓ to confirm.
 - → The radio station is broadcast.

Select radio range

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

- Tap **I**.
- Tap [Radio range] to toggle tuner sensitivity from normal to high sensitivity.
 - [Distance]: Only stations with strong signals can be broadcast.
 - [Local]: Stations with strong and weak signals can be broadcast.



Store radio stations in memory

You can store up to 6 stations in each band.

Store stations manually

Tune to the station.

- Tap **■**.
- Tap [Save].
- Tap one of the channels 01 to 06 to save the select band.



Store stations automatically

You can search for a station with intro search. which broadcasts a 10-second preview of each detected radio station.

- Select band.
- Tap **■**.
- Tap [Search].
 - → Auto search starts. The six strongest stations of the selected band are saved in preset channels 1-6 automatically.

Tune to a preset station

- Tap [Radio].
- Select band.
- Tap one of the preset channels (01 to 06) to select a preset station.



6 Play

Load discs

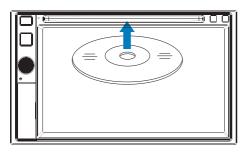
You can play video, audio or images stored on the following discs:

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



Note

- Ensure that the disc contains playable content.
- 1 Insert the disc into the disc slot with label side facing up.
 - → Play starts automatically.



- → To remove the disc, press the **≜** button.
- When the disc is ejected, the unit switches to the previous source, if connected. Otherwise, the unit switches to [Radio] mode automatically.

You can play DVD discs with the following region codes:

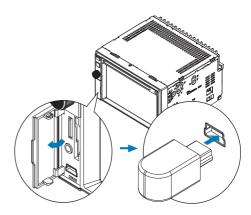
DVD region code	Country
6	China

Connect USB device



Note

- Ensure that the device contains playable content.
- 1 Open the USB door.
- 2 Insert the USB device to the USB socket.
 - → Play starts automatically.





Note

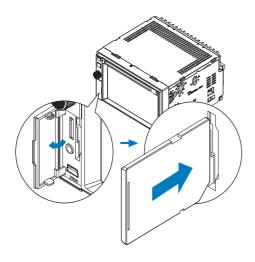
• To remove the USB device, switch to disc, radio or other source first.

Insert SD/MMC card



Note

- Ensure that the device contains playable content.
- The unit supports SDHC card.
- 1 Open the USB/SD card door.
- 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/Pause

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



- 2 To pause, tap 💵 .
 - To resume play, tap again.

Skip/search

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



- \$\mathcal{I}\$: 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.

Direct select

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



- 2 Tap **...**
 - → The search screen is displayed.



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

Repeat one/all

During playing, you can select different repeat mode.

For DVD/VCD movie disc:

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 all]: play the disc 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 audio files:

- 1 Tap 🗘 to select:
 - [�-1]: play the current track repeatedly.
 - [❖-Folder]: play all the tracks in the current folder repeatedly.

 - [�-OFF]: 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.
 - start random play.

Select audio language

For video discs that contain two or more audio channels.

- 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).

- 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
- Tap **p** 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 view pictures, 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

7 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 Bluetoothenabled device.

Pair Bluetooth devices

You can connect up to eight Bluetooth devices to the car entertainment system.



Note

- The effective operation range between the car entertainment system and the paired Bluetooth device is approximately 10 meters (30 feet). Any obstacle between the system and the Bluetooth device can decrease the operational range.
- Compatibility with all Bluetooth devices is not guaranteed.

On the Bluetooth device:

- 1 Turn on the Bluetooth function.
- 2 Search for Bluetooth device.
- 3 Select "CID2280" in the pairing list.
- 4 Enter default password "0000".
 - → if pairing succeeds, phone call record is displayed on the screen of the car entertainment system.



Disconnect Bluetooth devices



- 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, tap
 = [Auto connect], then select [Off]. For details, see the "Adjust Bluetooth settings" section.

Make a call

- 1 Pair the phone with the unit.
- 2 Tap 🖈 to display the home menu.
- 3 Tap [Bluetooth].
 - ightharpoonup The Bluetooth menu is displayed.



- 4 Tap ♠ or ♥ to select the paired phone, then tap ♣.
- Tap ♠ or ♥ to search for phone number from the following list:



- [Missed calls]
- [Received calls]
- [Dialed calls]
- [Phone book]

- [Sim phone book]
- [Local phone book]

Or tap III to dial number directly, then tap to dial.

Receive call

By default, all incoming calls are received automatically.

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



When conversation ends, tap ___ (red) to terminate the call.



· 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.

- During talking, tap 2.
 - → 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 to play music stored on the device.

- Pair the phone with the unit.
- Tap ♠ to return to home menu.
- Tap [Bluetooth].
 - → The Bluetooth menu is displayed.
- Start play music via device.
- If your device support AVRCP,
- Тар л.



Tap ▶ to start play.

Adjust Bluetooth settings

You can change below Bluetooth settings:

- [Bluetooth]: to turn on or off "Bluetooth" function
- [Auto connect]: to turn on or off "Auto connect" function
- [Auto answer]: to turn on or off "Auto answer" function
- [Pairing code]: to set paring code
- [Phone Book Sync]: to synchronize phone book

1 In Bluetooth menu, tap **I**.

→ The option menu is displayed.



2 Tap an option to change the setting.



• You can also adjust Bluetooth settings in the "Settings" menu.

8 Adjust sound

Adjust volume

- 1 Turn **VOL** clockwise to increase volume.
- Turn **VOL** anti-clockwise to reduce volume.

Mute

- **1** During play, press Φ.
 - To turn the sound back on, press \circlearrowleft again.



Tip

• You can also turn off sound by tapping **◄** on the screen.

Select preset equalizer

You can select preset equalizer:

- [User]
- [Techno]
- [Rock]
- [Classic]
- [Jazz]
- [Optimal]
- [Flat]
- [Pop]
- Tap anywhere except for the upper left corner to display menu on the screen, if necessary.
- 2 Tap .lili.
 - → 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 **0** to restore the above settings into default settings.
- 6 Tap **⇒** to exit.

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 .lii.
- 3 Tap ▶◀
 - → Below options are displayed:



- 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.

9 Adjust settings

Display system setup menu

1 Tap ♠ to display main menu.



2 Tap [Settings].

→ The settings menu is displayed.



Гір

• When the setup adjustment is completed, tap • to return to main menu.

Adjust general settings

1 Tap [General], if necessary.



2 Tap ♠ or ♥ to highlight a setting.

3 Tap an option to display/select the option.

General	Options	Description
[Radio region]	[USA], [S. Amer-1], [Arabia], [China], [S. Amer-2], [Europe], [Korea], [OIRT]	Select one that matches your location.
[Radio range]	[Local]	Only stations with strong signals can be broadcast.
	[Distance]	Stations with strong and weak signals can be broadcast.
[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.
	[Dusk]	Select this mode at dusk.
	[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.

Set wallpaper

You can change the screen background by using one built-in picture or your picture.

- 1 To use your picture as wallpaper, convert the picture into .bmp format and make sure it is in 800 x 480 pixel resolution first, then save the picture onto map card, and then insert the map card into MAP slot.
- 2 Tap [Settings] > [General].
- Tap ♠ or ♥ to highlight [WallPaper].
- 4 Tap ♠ or ♥ to select an option.
 - [Blue]: Turn background color to blue.
 - [Black]: Turn background color to black.
 - [F1]: Select the F1 picture as background.
 - **[User]**: Choose a picture as wallpaper.
 - If [User] is selected, a new window is displayed.

Tap or select a picture from the list.
Or

Tap [Scan SD] > to select a picture from the map card.

• The background picture is changed.



Note

 Only picture saved in 800 x 480 pixel (resolution) and in .bmp format can be used as wallpaper.

Adjust sound settings

1 Tap [Sound].



2 Tap an option repeatedly to select:

Sound	Ontions	Description
	Options	Description
settings		
[Sub	[On]	Turn on the subwoofer.
woofer]		
	[Off]	Turn off the subwoofer.
[Sub	[80Hz]	Select subwoofer filter
woofer		criteria.
filter]		
	[120Hz]	
	[160Hz]	
[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	Options	Description
Settings [Aspect	[Full]	For widescreen
ratio]	[Full]	display.
	[Normal]	For normal display.
[Video input]	[Auto]	The correct format is set automatically. Select this option if you are not sure which format
	[NTSC]	Should be selected. 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.
[Rear camera]	[Normal]	When you drive in reverse, the rear view is displayed normally.

	[Mirror]	When you drive in
		reverse, the rear
		view is displayed in
		mirror.
[Parking]	[On]	Disable video view
		during drive.
	[Off]	Enable video view
		during drive.
[DivX		View code for DivX
registration		registration.
code]		

Adjust Bluetooth settings

1 Tap [Bluetooth].



2 Tap an option repeatedly to select:

Bluetooth	Options	Description
settings		
[Bluetooth]	[On]	Turn on the
_		Bluetooth function.
	[Off]	Turn off the
		Bluetooth function.
[Auto	[On]	If the pre-paired
connect]		device is within the
		effective range, the
		unit re-connects to
		pre-paired device
		automatically.
	[Off]	Need to re-connect
		manually.
[Auto	[On]	Answer paired
answer]		phone call
		automatically.

	[Off]	Answer phone call manually.
[Pairing code]		Set code for pairing the car entertainment system with other Bluetooth devices. The default code is 0000.

3 Tap → to exit.

Adjust language settings

1 Tap [Language].



2 Tap an option repeatedly to select:

Language	Options	Description
settings		
[OSD]	[English]	Select on-screen-
		display language.
	[简体中文]	
	[繁体中文]	
[DVD	[English]	Select DVD audio
audio]		language. Options
		available are
		depends on DVD
		disc.
	[简体中文]	
	[繁体中文]	

Language	Options	Description
settings		
	FF 1: 1.3	C L + D\/D L :: I
[DVD	[English]	Select DVD subtitle
subtitle]		language. Options
		available are
		depends on DVD
		disc.
	[简体中文]	
	[繁体中文]	
	[Off]	Turn off subtitle
		language display.
[Disc	[English]	Select DVD menu
menu]		language. Options
-		available are
		depends on DVD
		disc.
	- k-k- / \ -	uisc.
	[简体中文]	
	[繁体中文]	

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]/[SD]
 - [CMMB]
 - [Radio]
 - [Bluetooth]
 - [AV-IN1]
 - [AV-IN2]
- 3 Tap ♠ or ♥ to assign value: 0 to 12.
 - → When switches to the source, the volume increases automatically.
- 4 Press **⇒** 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.

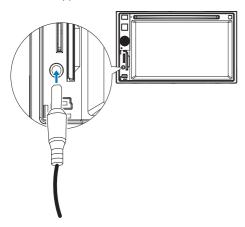
3 Tap **⇒** to exit.

10 Others

Listen to other devices

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

1 Connect the car audio to the device with the supplied AV cable.



- Tap ♠ to display the main menu.
- 3 Tap [AV-IN1].
- 4 Operated the connected the device (see the instructions manual of the device).

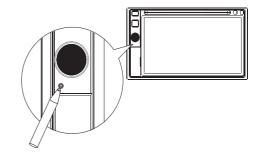


• If you connected the system to other audio device through the REAR OUT L/R connector (see "Connect wires" section), tap [AV-IN2] to listen to that device.

Reset

When the car entertainment system hangs up, you can reset it.

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



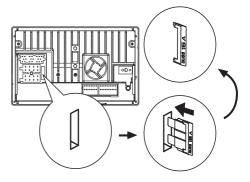


• When the unit is reset, all the settings remain unchanged.

Replace fuse

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

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

11 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	4 - 8 Ω
impedance	
Continuous power	24 W x 4 channels
output	(4Ω 10% T.H.D.)
Line output voltage	2.0 V (CD play mode;
	1 kHz, 0 dB, 10 k Ω
	load)
Subwoofer output	2.0 V (CD play mode,
voltage	61 Hz, 0 dB, 10 k Ω
	1 18
	load)
Aux-in level	load) ≥500 mV
Aux-in level Dimensions	
Dimensions	≥500 mV
Dimensions $(W \times H \times D)$	≥500 mV
Dimensions (W x H x D) (main unit)	≥500 mV 178 × 101 × 165 mm
Dimensions (W × H × D) (main unit) Weight (main unit)	≥500 mV 178 × 101 × 165 mm 2.5 kg

Disc player

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

Radio

Frequency range - FM	87.5 - 108.0 MHz
Frequency range - AM(MW)	522 - 1620 KHz
Usable sensitivity - FM	8 uV
Usable sensitivity - AM	30 uV
(MW)	

LCD

Screen size	6.2 inches (16:9)
Display resolution	800RGB x 480
Contrast ratio	600
Brightness	400 cd/m2

Bluetooth

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

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,
- 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 to V2.4
- 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, 44.1kHz. 48 kHz
- Supported Bit-rates: 32-320 Kbps and variable bit rate

Supported video formats:

- DVD
- Divx Home theater
- Xvid



Note

- To ensure a better playback, it is recommended that:
 - the image size is not larger than 640 X 480 pixels.
 - the frame rate is 20 fps.
 - the data rate is not higher than 500 kbps.

12 Troubleshooting

A

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.
- · Connection is incorrect.
- Fuse has been damaged. Replace fuse.

No sound

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

Disc does not play

- Disc is upside down. Ensure that 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 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.

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.

13 Glossary

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.



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.



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.



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.



