www.philips.com/welcome

CID2780



3

User manual

使用手冊

43



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1 Important

 Clean the apparatus with soft, damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the apparatus.

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.
- The device is designed for negative ground (earth) 12 V DC operation only.
- To reduce the risk of traffic accidents, do not watch video when 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 circuits, do not expose the device, remote control or remote control batteries to rain or water.
- 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).
- Never insert objects into the ventilation slots or other openings on the device.
- Never place any objects other than discs into the disc tray/slot.
- To avoid exposure to laser radiation, do not disassemble the device.
- 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.

Notice



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registered in the U.S. and other countries.

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This apparatus includes this label:



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.

Disposal of your old product and batteries

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused. 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 and batteries. The correct disposal of these products helps prevent potentially negative consequences on the environment and human health. Your product contains batteries, 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.

Please visit www.recycle.philips.com for additional information on a recycling center in your area.

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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

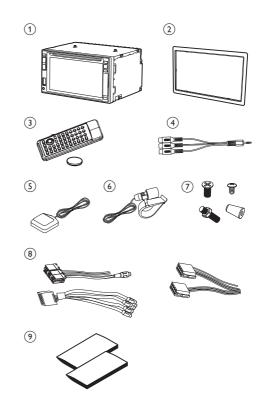
Quickly found routine through the navigation system

And you can also enjoy:

- Audio/video/JPEG pictures from
 - DVD.VCD or CD
 - USB devices
 - SD/SDHC/MMC cards
 - iPod/iPhone
 - External devices
- FM or AM (MW) radio
- Audio from Bluetooth-enabled devices Besides, you can make/receive phone calls with Bluetooth-enabled devices.

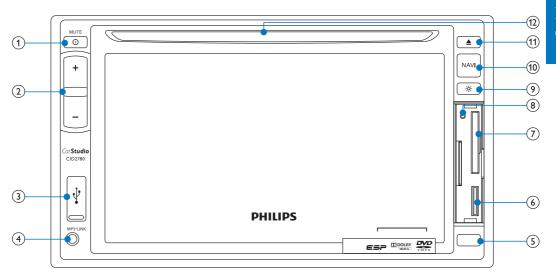
What's in the box

Check and identify the contents of your package:



- 1 Main unit
- (2) Trim plate
- (3) Remote control
- (4) AV out cable
- (5) GPS antenna
- (6) Microphone
- (7) Screws
 - M5×6mm × 8 pcs
 - $M5x7mm \times 8 pcs$
 - $M5 \times 15 \times 1pc$ Screw nut $(4\times25.4)\times1$ pc
- (8) ISO connectors (x4)
- (9) Printed material (including the user manual and the quick start guide)

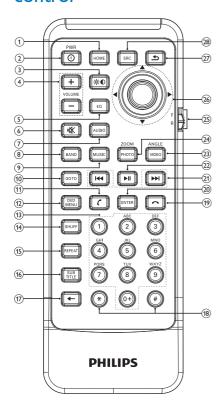
Overview of the main unit



- (1) ① /MUTE
 - Turn the unit on or off.
 - Mute or unmute.
- (2) VOL -/+
 - Adjust volume.
- (3) ↔
 - USB socket
- (4) AV IN
 - External audio/video socket.
- (5) Remote control sensor
 - Detects signals from the remote control. When using the remote control, point it directly at the IR sensor.
- 6 Map card slot
- (7) SD/SDHC/MMC card slot
- (8) RESET
 - Reset the unit when it hangs up.

- 9 🌣
 - Adjust display brightness.
- (10) NAVI
 - Enter the GPS navigation system or exit.
- (11) ▲
 - Eject disc.
- (12) Disc slot

Overview of the remote control



- 1 HOME
 - Toggles the home menu on or off.
- (2) ① PWR
 - Turn the unit on or off.
- (3) Ø **(**
 - Adjust screen brightness.
 - Adjust screen brightness/contrast/ saturation while playing video.
- (4) VOLUME +/-
 - Adjust volume.
- (5) EQ
 - Access audio setting menu.
- (6)
 - Mute or unmute audio.

- (7) AUDIO
 - Select audio language or audio channel.
- (8) BAND
 - Select AM or FM band.
- (9) MUSIC
 - Switch to music playing mode.
- (10) GOTO
 - Select track/chapter.
- (11) (green)
 - Answer phone.
 - Dial number.
- (12) DVD MENU
 - Return to DVD main menu.
- (13) Numeric keypad
- (14) SHUFF
 - Turn random play on or off.
- (15) REPEAT
 - Select repeat play mode.
- (16) SUBTITLE
 - Select DVD or DivX subtitle language.
- (17) ←
 - Delete entered numbers/characters.
- (18) #/*
 - Symbols for making phone call.
- (19) **(red)**
 - Terminate call.
- 20) ENTER
 - Confirm the character/number inputs.
- (21) |**44**/ **>>**|
 - Skip to previous/next track/chapter.
 - Tune for radio station.
- (22) **|**
 - Start play or pause.
 - Confirm selection.
- (23) VIDEO/ANGLE
 - Select a difference angle/version of the current DVD scene.

(24) PHOTO/ZOOM

• Zoom in or out a picture/video image.

25) F/R

• Switch to front/rear control mode.

(26) Navigation buttons



- Skip to the previous/next preset station.
- Skip to the previous/next folder.
- Search backward/forward for DVD video.
- Move cursor up/down.



- Skip to the previous/next track.
- Move cursor to left/right.

Press the navigation button down

- Start play or pause.
- Confirm selection.



Return to previous menu or exit.

28) SOURCE

Select source.

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) 12V 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 moving parts (e.g. seat rail).
- Ensure that all ground (earth) leads are connected 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.

Connect wires 外接MIC Navigation antenna 导航天线 0 Red (18) WIC Optional accessory 黄色 Yellow 账色 Black 可选配件 后台触媒屏 MZ-TFT (中置音频输出 CENTER 后左音频输出 REAR L 前右音频输出 FRONTR 無在部 SUB W 0000000000 00000000 出齡發音古台詞 beA 查13 出館获音式台司 JYTUO RABR]oĪ **(** AV系统 Terminal 辅助信号源 人静族音古伽蘚 F A MI XUA To Front 连接至 Panel 前面板 人解聚音志做解 1 J NI XUA 推散报额券 1 OBOIN NI XNA □⊕ □ AV系统 人解除音古提輔 beA 查顶 S R NI XUA 8 8 88 8 8 8 8 8 8 KEA GND Brown/B 器玩遊痒 排汗器 $\overline{\Theta}$ Blue 由 白注器 A人龄驻辖 A Y3X 魯 Green 倒车档位开关 Parking brake Switch 黄色 $\otimes \sharp$ CAMERA 相机

Remark: c Here connect the external AV device to the AV IN socket on the front panel of the car audio system. 备注:

此处AV IN线与前面板AV IN接口相接

ပ

Check the car's wiring carefully, then make the connections as illustrated (see 'Wiring Diagram').

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.

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 rear camera connection

- Check your local driving regulations on whether it is legally required to install a rear view camera. These connections require a professional mechanic to install.
- You can connect a rear view camera to this car audio video system, so as to view the things that happens behind your car through the screen on the system. This helps protecting your bumper and anything it might contact, especially you are driving a big vehicle.

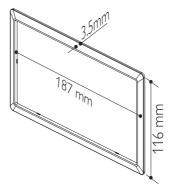
Mount in the dashboard



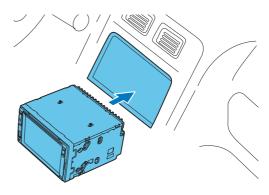
Note

- 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 may lose its memory.
 - If the car battery is not disconnected, to avoid a short-circuit, ensure that bare wires do not touch each other.

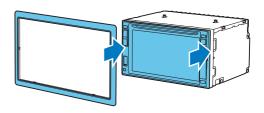
2 Ensure that the car dashboard opening is within these measurements:



- Since the unit cannot be used if the dashboard opening's slant angle is above 20 degrees: ensure that the horizontal slant of the car dashboard opening is between 0 and 20 degrees.
- 3 Slide the unit into the dashboard, until a click sound is heard.



4 Attach the trim plate.



5 Reconnect the negative terminal of the car battery.

Install remote control battery



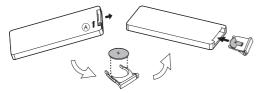
Caution

 Risk of explosion! Keep battery away from heat, sunshine or fire. Never discard battery in fire.



Note

- Remove battery if it is flat or if the remote control will not to be used for a long time.
- Battery contain chemical substances. It should be disposed of properly.
- 1 Open the battery compartment.



- 2 Insert one CR2025 battery with correct polarity (+/-) as indicated.
- 3 Close the battery compartment.

Turn on



Caution

- Risk of road accidents! Never watch video or adjust settings while you drive.
- 1 Press \circlearrowleft to turn on the unit.
 - → Calibration requests displayed.



Tap YES and follow the on-screen display (OSD) to complete calibration.

- Tap anywhere on the screen to save.
 - → The available OSD languages are displayed.



- 4 Tap a language.
 - → The OSD language is changed to the selected language immediately.
- To turn off the unit, press 0.

Set date and time

1 Tap **n** to display main menu.



2 Tap **\(\Lambda \)** to display the full menu.



- 3 Tap 🕸
 - → The setup menu is displayed.



4 Tap 3.

→ The date/time setup menu is displayed.



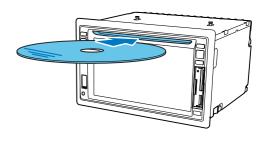
- 5 Tap on [Date], [Clock mode] or [Time].
- 6 Tap ▲ or ▼ to set date/time.
- 7 When date/time is set, tap to return to main menu.

4 Play audio/ video/picture

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 Insert the disc into the disc slot with label side facing up.
 - → The disc starts playing 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.

Region code

This player can play discs with the following region code.

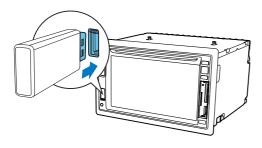
DVD region code	Countries
3	Asia Pacific, Taiwan, Korea

Connect USB device



Note

- Ensure that the device contains playable content.
- For detail information on supported video format, see "Product Information" chapter:
- 1 Pull the USB flap up.
- 2 Insert the USB device into the USB slot .
 - → The files play automatically.



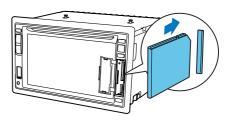
- 3 To remove the USB device, switch the car audio system to other source first, then take off the USB device.
 - → When USB devise is disconnected, it plays the previous source.

Insert SD/MMC card



Note

- This device supports Secure Digital High Capacity (SDHC) card.
- 1 Open the USB/SD/MMC card flap.
- 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.
- 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.



- For DVD movie, if a menu appears, press to start play.
- 2 To pause, tap ■1.
 - To resume play, tap again.
- 3 To skip forward/backward, tap ►► or ►►
- To fast forward/backward, tap and hold ▶▶ or ◄.

Browse

During play from USB device or SD card, you can browse through the listed audio, video or picture files to select preferred file.

1 Tap to return to playlist menu.

- 2 Tap one of the icons below to select folder/file:
 - f: To display all available audio folders/track.
 - Ell: To display all available video folders/files.



- 3 Swipe your finger upward/downward to browse through the list.
- 4 Tap on the name to start play.

Video options

Select audio language

For video discs that contain two or more audio languages.

1 During play, tap anywhere except for the upper left corner to display the menu on the screen.



- 2 Tap repeatedly to select audio language.
 - → The audio channel information is displayed on the upper line of the screen.



 You can also press AUDIO on the remote control repeatedly to change audio language.

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 the menu on the screen.
- 2 Tap to display the 2nd menu



Tap repeatedly to select a language.

→ The selected language is displayed.



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

Skip to a chapter/title/time

- 1 During play, tap anywhere except for the upper left corner to display the menu on the screen.
- 2 Tap •• to display the 2nd menu
- 3 Tap **!!!**.
 - → The search screen is displayed.



- 4 Tap repeatedly to select:
 - [Enter chapter number:]
 - [Enter title number:]
 - [Enter time:]
- 5 Tap the numbers, then tap \checkmark .
 - To clear the previous input, tap ←.
 - To clear all input, tap X.

Repeat a section

You can repeat a specific section of the video file.

- 1 During play, tap anywhere except for the upper left corner to display menu on the screen
- 2 Tap •• to display the 2nd menu.
- 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.

Repeat one/all chapter

For DVD/VCD movie disc:

- 1 Tap anywhere except for the upper left corner to display the menu on the screen.
- 2 Tap to display the second 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:

Tap 🗘 to select:

- [Repeat one]: play the current track repeatedly.
- [Repeat off]: cancel repeat play.



 You can also press REPEAT on the remote control to select repeated play mode.

Change view angle

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

Press **VIDEOANGLE** repeatedly on the remote control.

→ The view angle is changed.

Use the disc menu

When you load a DVD/(S)VCD disc, a menu is displayed on the screen.

- 1 Tap 'play' to start playback.
- 2 During play, you can tap ● > to display the disc menu.

Select audio mode

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

During play, press **AUDIO** on the remote control repeatedly until preferred audio mode is selected.

Audio options

Select a track

1 Tap **...**.

→ The search screen is displayed.



- 2 Tap the numbers to enter track number, then tap **OK**.
 - To clear the previous input, tap
 - To clear all input, tap X.

Random play

You can play audio tracks/files in random order.

- 1 During play, tap \Longrightarrow repeatedly to turn random play on or off.
 - (red): start random play.
 - gray): cancel random play.



 You can also press SHUFF on the remote control to select random play mode.

Repeat one/all

Tap repeatedly to select:

- (red): play the current track repeatedly.
- (gray) : cancel repeat play.



 You can also press REPEAT on the remote control to select repeated play mode.

View photo

- 1 Tap **₹**.
 - → Thumbnail view of the pictures is displayed.



- 2 Drag the bar downward to view all pictures.
- **3** Tap on a picture to view it in full screen.



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.
- 2 Tap **9** repeatedly to zoom in/out the picture.



 To zoom in/out video image, press PHOTOZOOM on the remote control.

Rotate pictures

- 1 When you view pictures, tap anywhere except for the upper left corner to display menu on the screen.
- 2 Tap * repeatedly to rotate the picture.

5 Listen to radio

Tune to a radio station

- 1 Tap **\underline{\ulderline{\text{to display home menu.}}}**
- 2 Tap **≥**.
 - → Band and frequency information is displayed.



- 3 Tap 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 second to tune to a radio station automatically.

Tune by frequency

- 1 Tap FM or AM to select band.
- 2 Tap **≡**
 - → A menu is displayed.



- **3** Tap **[Goto]**.
 - → A new window is displayed.



- 4 Tap the numbers to enter frequency.
 - Tap to clear the last entered number.
 - Tap X to clear all the entered numbers.
- 5 Tap **OK** to confirm.
 - → The radio station is broadcast.

Select radio range

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

- 1 Tap Loc to toggle tuner sensitivity from normal to high sensitivity.
 - Loc (red): Only stations with strong signals can be broadcast.
 - Loc (gray): Stations with strong and weak signals can be broadcast.

Turn stereo broadcasting on/off

At FM band, if the radio broadcasting is stereo, you can switch it to mono broadcasting.

- 1 Tap preparedly to select.
 - (red): for stereo broadcasting.
 - (gray): for mono broadcasting.

Store radio stations in memory

You can store up to 6 stations in each band.

Store stations manually

- 1 Tune to the station by tapping $\langle \text{ or } \rangle$.
- 2 Tap **≡**
- 3 Swipe finger upward until [Save] is displayed.
- **4** 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.

- 1 Select band.
- 2 Tap ≡
- 3 Swipe finger upward to until [Search] is displayed.
- 4 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

- 1 Select band.
- Tap one of the preset channels (1 to 6) to select a preset station.



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.

Turn on RDS

- In FM radio mode, tap =.
 → The radio option menu is displayed.
- 2 Tap [RDS] to turn on the RDS function.



Activate AF/TA/ EON functions

Tap [AF], [TA], or [EON] to turn on/off the corresponding function.

→ When the icon turns red, the function is turned on.



- [AF] (Alternate Frequency): If the radio signal come from the current station is poor, you can turn AF on to let the system searching for another station with stronger signal but with the same program identification.
- **[TA]** (Traffic Announcement): If you do not want to miss traffic announcement during enjoying music, you can turn on the AF function. When there is traffic announcement, the system switches to tuner mode and begins to broadcast traffic announcement. When the traffic announcement is over, it returns to the previous mode.
- [EON] (Enhanced Other Networks):
 When EON is turned on, local stations
 'break into' a national station's broadcast
 for the duration of a Traffic Announcement.

Adjust TA volume

- **1** Tap **≡**
- 2 Tap [TA VOL].
- Tap or to select volume level: 1 to 10.
 - → When traffic announcement cuts in, the volume increases for the selected level.

Turn RDS clock on

- **1** Tap **≡**
- 2 Tap [CT].
- 3 Tap it again to select on or off.
 - → When RDS clock is turned on, the time on the car audio system synchronize with that from RDS radio station.



 The accuracy of the transmitted time depends on the RDS station that transmits the time signal.

Select program type

Before tuning to RDS stations, you can select program type and let the unit search only for programs of the selected category.

- 1 Under radio mode, tap =
 - → The radio option menu is displayed.
- 2 Tap [PTY list].
 - → The PTY list of available program type is displayed.
- 3 Swipe your finger on screen repeatedly to select an option.
 - → The setting is changed.

RDS program types

Item	Program	Description
	type	
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	TEST	Alarm Test
31	ALARM	Alarm

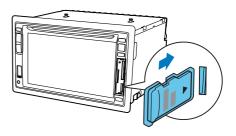
6 Use navigation system

Insert map card



Note

- 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** Тар 🔷.
 - → 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.
- Open the card cover.
- Press on the map card until you hear a click sound.
- 4 Pull out the map card and bring it to the authorized service center for upgrade.
- ${\bf 5}$ Insert the upgraded map card back into the card slot.
- 6 Turn on the car audio.
 - → The map upgrades in a few minutes.

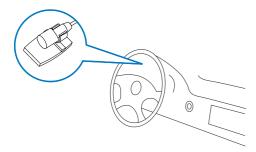
Play with Bluetooth device

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

Adjust microphone position

For better sound quality in make/receive phone call through Bluetooth, place the microphone near the mouth.

- Make sure the supplied microphone is connected to the car audio system. (See "Connect wires" section).
- 2 Place the microphone at a proper location. For example,
 - Stick it onto the dashboard.



Or, clip it on the sun-shield.

Pair the Bluetooth-enabled devices

To connect your Bluetooth device to the car audio system, you need to pair the device to the system. Pairing needs only to be done once. You can pair up to eight devices.



- · The operational range between this unit and a Bluetooth device is approximately 10 meters (30 feet). Turn on the Bluetooth function on the device.
- · 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 the device.
- 2 Search for Bluetooth device with the device.
- Select "CID2780" in the pairing list.
- Enter default password "0000".
 - → il the pairing succeeds. the phone call record is displayed.



Use the car audio for pairing

Beside using your Bluetooth device to search for the car audio system, you can also use the car audio system to search for available Bluetooth devices.

- 1 Turn on the Bluetooth function on your Bluetooth device.
- On the car audio system, tap $\uparrow \uparrow > \emptyset >$
 - → The system starts searching for available Bluetooth devices.

23



- When the names of the available Bluetooth devices are displayed on the screen of the car audio, tap on the preferred one.
 - → A message reminding you to enter password is sent to your Bluetooth device.



- When the message is displayed on your Bluetooth device, enter the default password "0000".
 - → Pairing starts.



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

- Pair the phone with the unit.
- Tap **n** to display the home menu.
- Tap ♥.
 - → List of available Bluetooth devices is displayed.



- Tap on the name of your mobile phone.
 - → The Bluetooth menu is displayed.



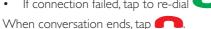
- Tap ⊙, ♥, or to select a phone number.
 - **③**: List of recent contacts including [Missed calls], [Received calls] and [Dialed calls].
 - : Favorite contacts.
 - : Phone book.
- Tap on a phone number from the list. → Phone calling starts.



You can also tap **III** to dial number directly, then tap 🕈 to start calling.



If connection failed, tap to re-dial



Receive call

By default, all incoming calls are received automatically.



- You can select to receive calls manually by set [Auto answer] to [Off] status. For details, refer to "Adjust Bluetooth settings".
- If there is an incoming call, [Incoming call...] flashes on the screen.



- Speak into the microphone.
- When conversation ends, tap on to terminate the call.



 During the conversation, if you do not want your conversation being heard, you can tap ${\cal G}$ to switch the call to the mobile phone.

Adjust Bluetooth settings

In the Bluetooth menu, tap → The option menu is displayed.



- [Bluetooth]: to turn the "Bluetooth" function on or off.
- [Auto connect]: to turn the "Auto connect" function on or off.
- [Auto answer]: to turn the "Auto answer" function on or off.
- [Pairing code]: to set paring code
- [Phone Book Sync]: to synchronize phone book
- Tap an option to change the setting.



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

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 the phone with the unit.
- Tap \uparrow to return to home menu.
- Tap **❸**.
- tap Π .
- Tap II to start play.



Play iPod

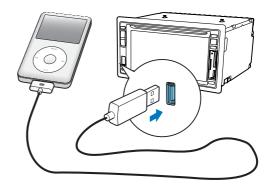
Compatible iPod/iPhone

The car audio system supports below iPod and iPhone models:

Made for

- iPod touch (1st, 2nd, 3rd and 4th generation)
- iPod classic
- iPod nano (1st, 2nd, 3rd, 4th, 5th and 6th generation)
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

Listen to the iPod/iPhone



- Connect your iPod/iPhone to the front USB socket via Apple's own 30pin USB cable.
 - → Music playback starts.



To pause, tap II.

- 3 To skip backward/forward, tap I◀◀ / ▶▶I.
- 4 To search for a track, tap 🗢 .
 - → Tracks sorted by genre is displayed.



5 Select a folder and then swipe finger upward/downward to search for preferred tracks.

Charge the iPod/iPhone

When the iPod/iPhone is connected to the car audio system, the iPod/iPhone begins to charge.



• For certain iPod models, it may take up to a minute before the charging indication is displayed.

9 Adjust sound

Adjust volume

- 1 Press + to increase volume.
- Press to reduce volume.

Mute

- 1 During play, press ①.
- $\mathbf{2}$ To turn the sound back on, press $\mathbf{0}$ again.



• You can tap on the screen to turn sound on/off.

Select preset equalizer

- 1 Tap Juli.
 - → The current equalizer setting is displayed.



- 2 Tap < or > to select an preset EQ:
 - [User]
 - [Techno]
 - [Rock]
 - [Classic]
 - [[azz]
 - [Optimal]

- [Flat]
- [Pop]
- **3** Adjust EQ settings by tapping on the screen.
- 4 If you are not satisfied with the adjusted sound settings, tap **t** to restore default settings.
- 5 Tap ★ to exit.

Turn FullSound on/off

Philips FullSound restores the audio details that is lost in music compression. It enriches the music signal, so what you hear is the full sound with every nuance of emotion and every detail of musical genius. Philips FullSound can:

- Bring CD listening experience to MP3
- Achieve fuller bass with greater depth and impact
- Restore sense of spaciousness that is lacking in compressed audio
- Enhance sound precision and detail
- 1 During play, tap .
 - The FullSound icon changes to red (
).
 - → FullSound is activated.
- 2 To turn FullSound off, tap the icon until it changes to gray ().

Turn DBB on/off

When DBB (Dynamic Bass Boost) is activated, low tones will be enhanced electronically. Tap OBB to toggle between the settings.

- [DBB] on: the icon turns red ().
- [DBB] off: the icon turns gray ().

10 Adjust settings

Display system setup menu



- 2 Tap **☆**
 - → The settings menu is displayed.

Adjust general settings

1 Tap ♥.



- 2 Tap ♠ or ♥ to highlight a setting.
- 3 Tap on it repeatedly or tap ▲ or ▼ to select an option.
 - → The setting is changed.

General	Options	Description
settings	F1 10 4 7	0.1
[Radio	[USA],	Select one that
region]	[China],	matches your loca-
	[Japan],	tion.
	[Europe],	
	[Europe]	
	(LW), [OIR	T]

[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.
	[Dark]	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.
[WallPa- per]	[WallPaper] 1/2/3	Select a wall paper
[Calibra- tion]		Calibrate the touch screen.

Adjust sound settings

1 Tap ▶◀.



- 2 Swipe finger upward/downward to highlight a setting.
- **3** Tap on it repeatedly to change setting.

Sound settings	Options	Description
[Sub woofer]	[On]	Turn the subwoofer on.
	[Off]	Turn the subwoofer off.
[Sub woofer filter]	[80Hz] / [120Hz] /[160Hz]	Select subwoofer filter criteria.
[DBB] (Dynamic Bass Boost)	[On]	Turn on DBB to enhance low tones.
	[Off]	The DBB function is off.
[DRC] (Dynamic Range Control)	[On]	Make 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.
[Listening Zone]	[On]	Select listening areas.

Select listening zone

Philips' innovative Zone technology enables driver or passengers to enjoy music with the best speakers balance and experience more vivid spacial effect as the artist is intended to create. You can switch the music listening zone from driver to passengers for the best speaker sound settings in car.

- 1 Tap ❖ (Settings) > ▶ (Sound).
- 2 Swipe finger upward to find [Listening Zone] and tap on it.
 - → The listening zone screen is displayed.



- 3 Tap on the seat to select an area.
 - → Sound effect changed.
- 4 Tap to exit.

Adjust video settings

1 Tap **□**



2 Tap on a setting repeatedly or tap ▲ or ▼ to change setting.

Video	Options	Description
settings		
[Aspect ratio]	[Full]	For wide screen display.
	[Normal]	For normal display.

[Video	[Auto]	The correct format is
input]		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]	[On]	Disable video view
		when driving.
	[Off]	Enable video view
		during drive.
[DivX(R)	[Enter]	To deactivate the device
VOD]		for DivX playback.

Adjust Bluetooth settings

1 Tap ❸.



2 Tap on a setting repeatedly to change setting.

Bluetooth	Options	Description
settings		
[Bluetooth]	[On]	Turn the Bluetooth
		function on.
	[Off]	Turn the Bluetooth
		function off.

[Auto connect]	[On]	If the pre-paired device is within effective range, the system re-connects to pre-paired device automatically.
	[Off]	Need to re-connect manually.
[Auto answer]	[On]	Answer paired 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.

Adjust volume settings

You can set different volume for different modes.

1 Tap **◄»**.

→ The volume submenu is displayed.



- 2 Swipe finger upward/downward to highlight an option.
- 3 Tap on a source, then tap ▲ or ▼ to assign value: 0 to 12.
 - → When switches to the source, the volume increases automatically.

Adjust language settings

1 Tap **P**.



2 Tap on a setting, then tap ▲ or ▼ to select an option.

Language settings	Options	Description
[OSD]	[English]	Select on-screen-display language.
	[简体 中文]	
	[繁体 中文]	
[DVD audio]	[English]	Select DVD audio language. Options available depends on the DVD.
	[简体 中文]	
	[繁体 中文]	
[DVD subtitle]	[English]	Select DVD subtitle language. Options available depends on the DVD.
	[简体 中文]	
	 [繁体中 文]	
	[Off]	Turn off subtitle language display.

[Disc menu]	[English]	Select DVD menu language. Options available depends on the DVD.
	[简体 中文]	
	[繁体 中文]	

Adjust DVD rating

Тар 👺.



Tap a a setting to make an adjustment.

DVD rating	Options	Description
[Set password]		Set password to restrict access. 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]	Parental guidance is advised for children under 17.

	[R]	Restricted. Shouldn't be viewed by children under 17 without parental consent.
	[NC-17]	Unsuitable for children under age 17.
	[Adult]	Acceptable for adults only.
[DVD 5.1 Channel]	[On]	Turn on DVD 5.1 channel.
	[Off]	Disable DVD 5.1 channel.
[Load factory]		Restore to default settings.

Restrict access

You can restrict disc access to children or play alternate scenes. Once you selected an access level, discs with higher levels cannot be played.

- Tap ♥ > •
- Tap [Rating level] and ▲ or ▼ to select level.
- Tap [Set password].
 - → Password setup menu is displayed.
- Enter your password and tap [OK] → A lock symbol is displayed.

Once password is set, the rating level can't be changed.

To change rating level:

Tap [Set password] and enter correct password.

> → The lock symbol disappear. Now you can change rating level.



Note

- The ratings are country-dependent. To allow all discs to play, select '8'.
- Some discs have ratings printed on them but are not recorded with ratings. This function has no effect on such discs.

11 Others

Adjust brightness

To adjust screen brightness, press 🔅 button repeatedly.



• You can also use the ♥ / ① button and ¶ or button on the remote control to adjust screen brightness.

Set rear view camera

If you connected a rear view camera, you can see from the screen of the car audio system what the camera takes when the back lamp lights up.

- 1 Tap **♠**.
- **2** Tap **◎**.
 - → Picture from rear camera is displayed.

Allocate Steering Wheel Control

To activate the control buttons on the steering wheel, you need to complete the following settings:

- Tap ♠.
- **2** Tap **⊕**.
 - → A new window is displayed.



- 3 Tap on a key and then tap ▲ or ▼ to allocate key function.
- **4** Tap **⊕**.
 - → You are requested to press the matching button on the steering wheel for one second.
- 5 Follow the instructions as shown on the screen.
- **6** Repeat steps above to allocate other buttons.

Play from rear displays

If there is a display installed for passengers on rear seat, you can select a source for rear display. That is, passengers are not necessarily to watch or listen to same source.

- 1 Make sure that your in-car system is connected to rear display correctly.
- 2 While playing, tap ♠ > ▲ to display full menu.



- 3 Tap [Rear zone].
 - → The rear zone options are displayed.

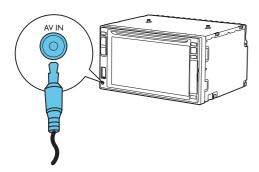


- 4 Tap on a source.
 - The selected source plays after a few seconds. The passengers can use headphones for listening.

Listen to other devices

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

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



- Tap **f** to display the main menu.
- Tap **= [AV-IN1]**.
- Operate the connected the device (see the device's instructions manual).

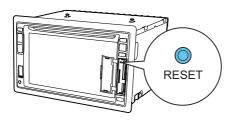


• If you connect the system to other audio devices through the REAR OUT L/R connector (see "Wiring Diagram" section), tap [AV-IN2] to listen to that device.

Reset

When the unit hangs up, you can reset it.

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



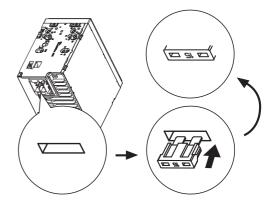


When the unit is reset, all the settings remain unchanged.

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 breaks immediately after it has been replaced, there may be an internal malfunction. In this case, consult your Philips dealer.

12 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 × 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	≥ 500 mV
Dimensions (W x H x D)	178 × 101 × 160 mm
Weight (main unit)	2.5 kg
Operating temperature range	-20°C to 70 °C

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

Radio	
Frequency range - FM	87.5 - 108.0 MHz
	(50kHz per step)
Frequency range -	522 - 1620 KHz
AM(MW)	(9kHz per step)
Usable sensitivity - FM	5 uV
Usable sensitivity - AM	25 uV
(MW)	

6.2 inches

LCD

Screen size

Display resolution	800 × 480 dots
Contrast ratio	300
Brightness	350 cd/m2
Bluetooth	
Communication system	Bluetooth Standard version 2.0
Output	Bluetooth Standard Power Class 2
Maximum	Line of sight approx. 8m
communication	
range	
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	SBC (Sub Band Codec)
Transmit	SBC (Sub Band Codec)

Supported video formats

File extension: .avi, .mp4

Compatible Video Codec:

- .avi: MPEG-4 SP/ASP; H.263, H.264; XVID , DIVX 4/5/6
- .mp4: MPEG-4 SP/ASP; H.263, H.264;

Compatible Audio Codec:

- .avi: MPEG-1 Layer 1, 2, 3; AC-3 (Downmix), WMA Pro (stereo); WMA 9
- .mp4: MPEG-4 AAC LC; MPEG-4 AAC HE V1/V2

Recommended Video Specification:

- MPEG-4 SP/ASP: ISO/IEC 14496-2 simple/ advanced simple profile 640X480@30fps
- H.263: ISO/IEC 14496-2 simple profile 640X480@30fps
- H.264: ITU-T Rec. H.264 baseline profile, main profile, high profile 640X480@30fps
- XVID, DIVX 4/5/6: ISO/IEC 14496-2 simple/advanced simple profile 640X480@30fps

Maximum Bit rate (Only video play):

- MPEG-4 SP/ASP: 4Mbps
- H.263: 1.5Mbps
- H.264: 4Mbps
- XVID, DIVX 4/5/6: 2Mbps

USB playability information

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 USB 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
- 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

13 Troubleshooting

A

Warning

• Never remove the casing of this device.

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

If you encounter problems when using this device, 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 device is nearby and the model number and serial number are available.

No power

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

No sound

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

No response to the remote control

- Ensure that the path between the remote control and the unit is clear from obstacles.
- From a close distance, point the remote control directly at the unit.
- Switch F/R to correct position (F for front control and R for rear control).
- The function does not work. See the instruction manual.
- Replace the remote control battery.

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 restriction setting.
 Change the rating settings to lower one.
- Disc region code is not compatible with the unit. Use disc with proper region code.

Can't play DivX file from SD or USB

 This device doesn't support DivX playback in SD or USB mode.

No image

 Parking wire connection is incorrect. Check the wiring.

No image on rear display

 Check if you are playing DivX video. If yes, it's normal, for this device does not support video out in DivX playing mode.

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

About the 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 to find out 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.



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