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CE150



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EN User manual

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**PHILIPS**

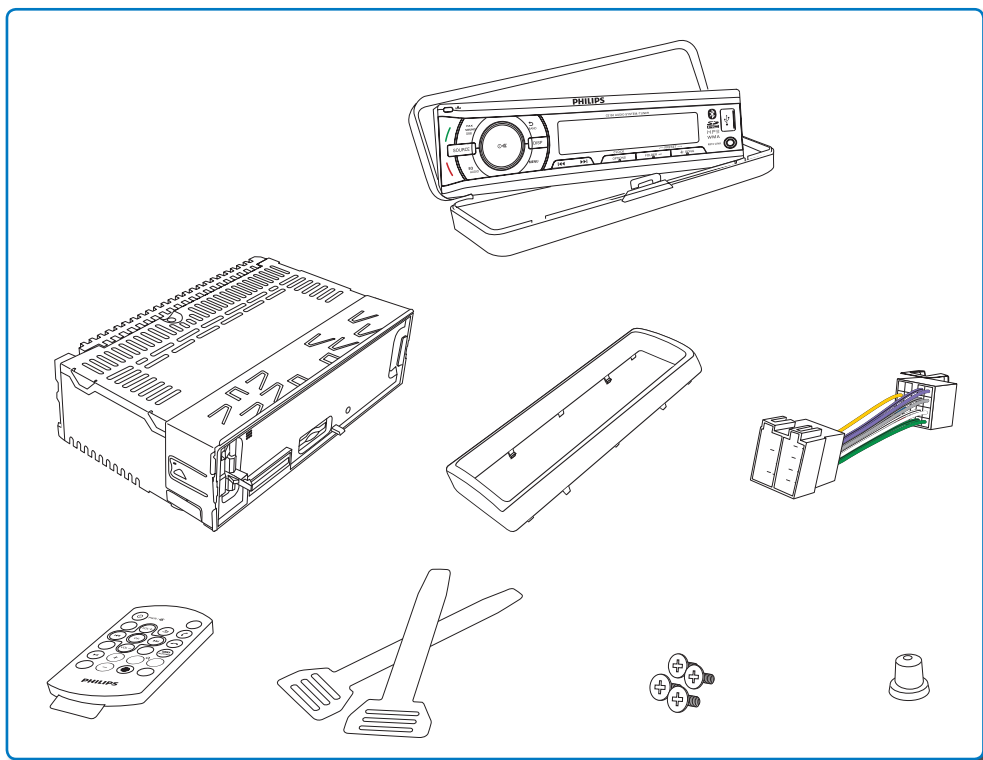
Congratulations on your purchase, and welcome to Philips!

To fully benefit from the support that Philips offers, register your product at [www.Philips.com/welcome](http://www.Philips.com/welcome).  
Read this user manual carefully before you install and use the unit. Save it for future reference.

## Introduction

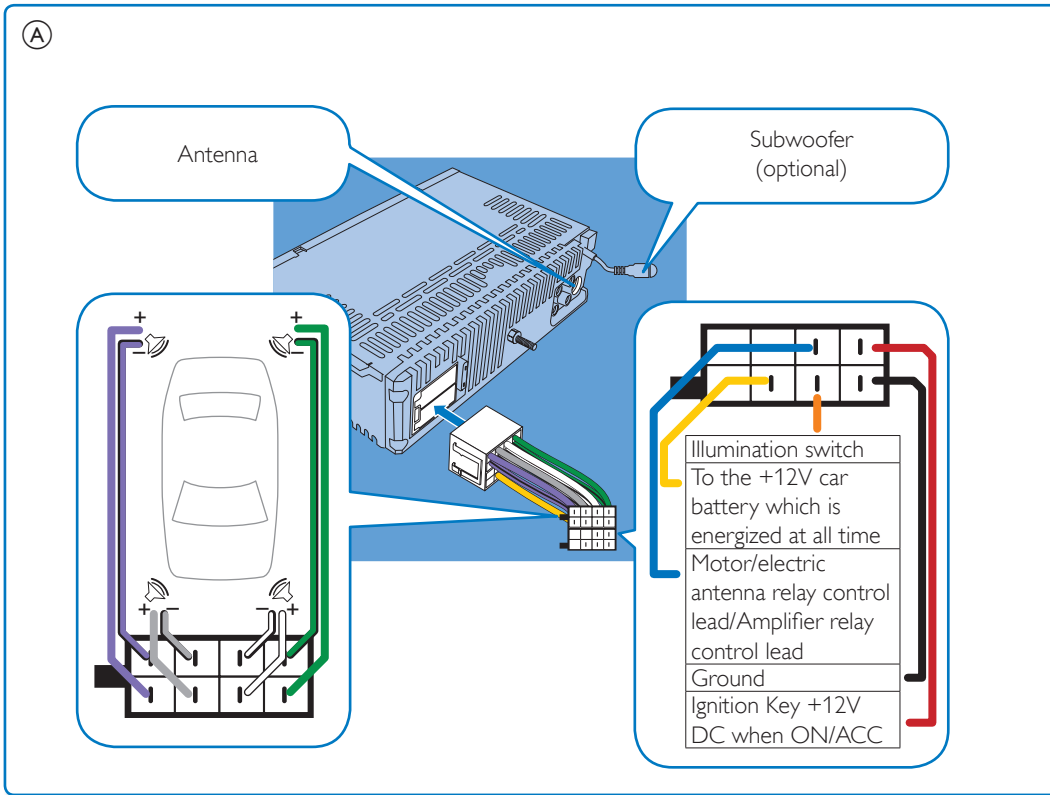
With the in-car audio system, you can enjoy your drive while you listen to:

- FM or AM (MW) radio
- Audio from a USB drive
- Audio from a SD/SDHC card
- Audio from external devices



# 1

## Connect

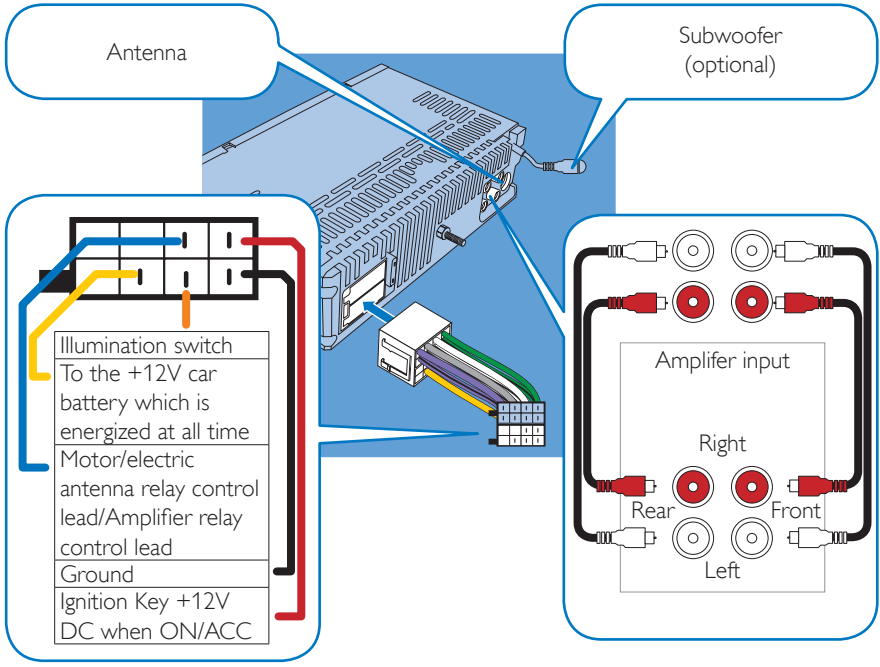


### Caution

Ensure that all leads are insulated with electrical tape.

### Note

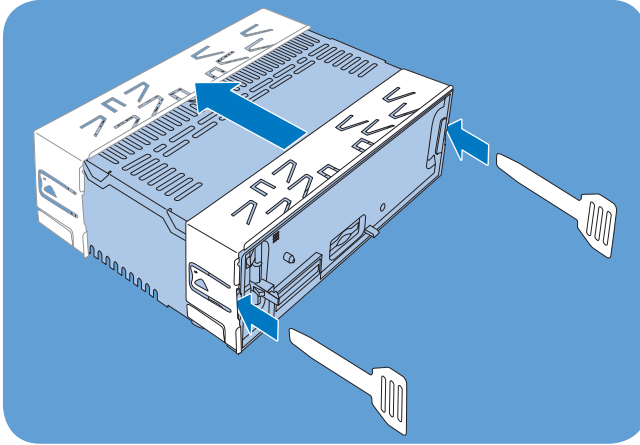
Consult a professional to connect CE150 different from user manual instructions.



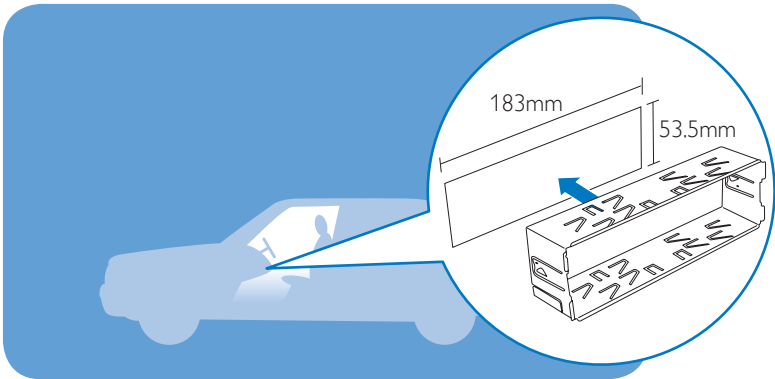
# 2

## Mount into dashboard

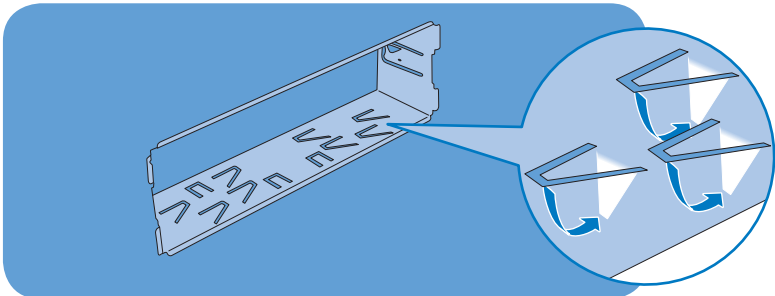
(A)



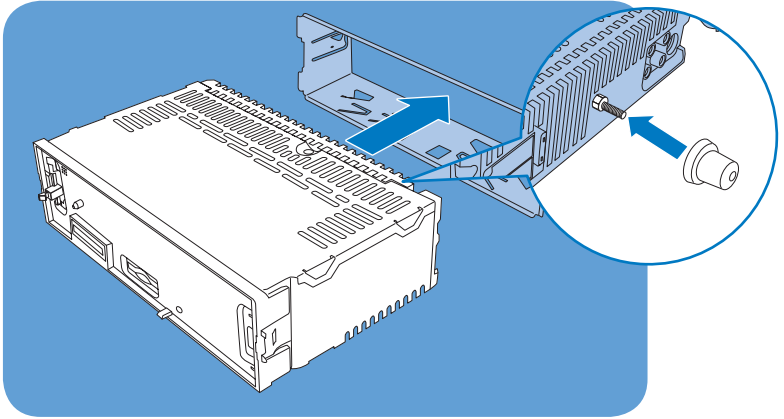
(B)



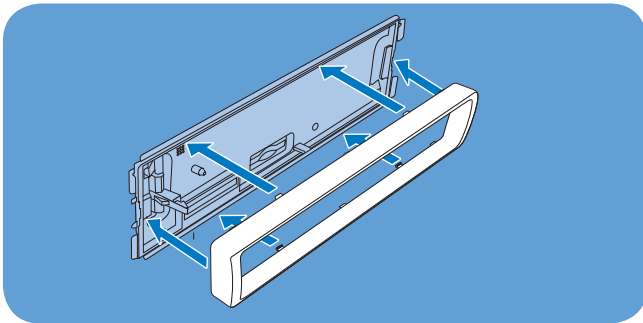
(C)



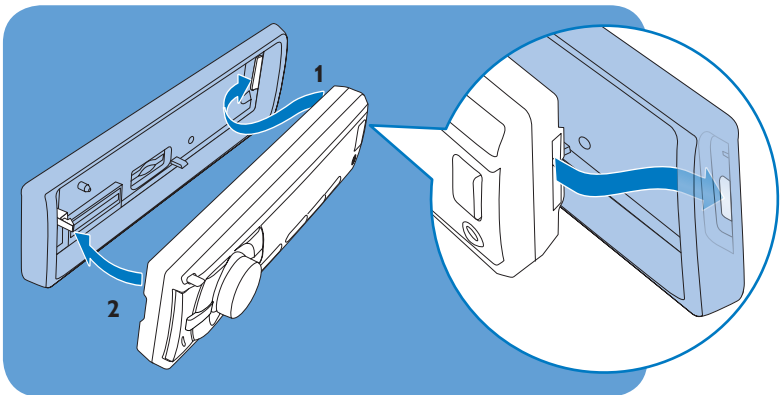
D



D

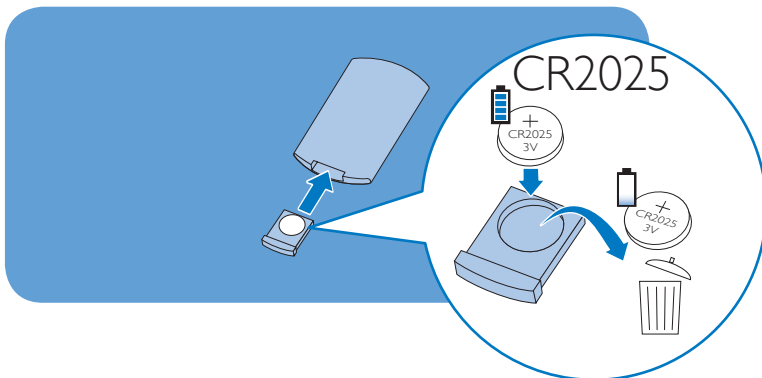
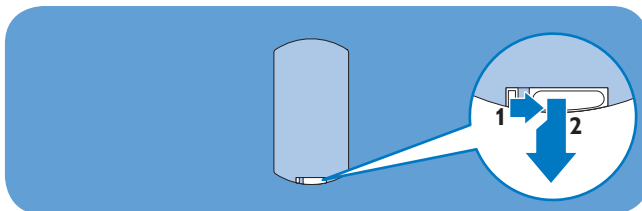
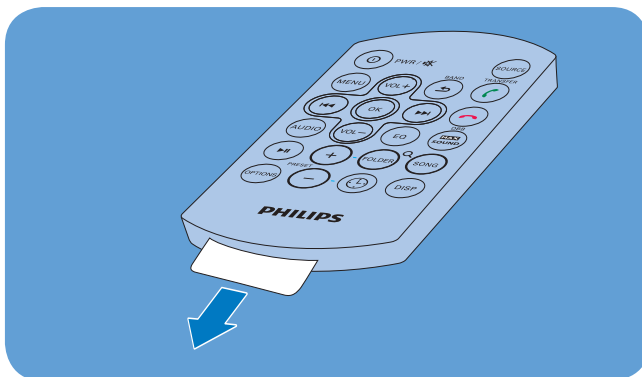


E





# Remote control



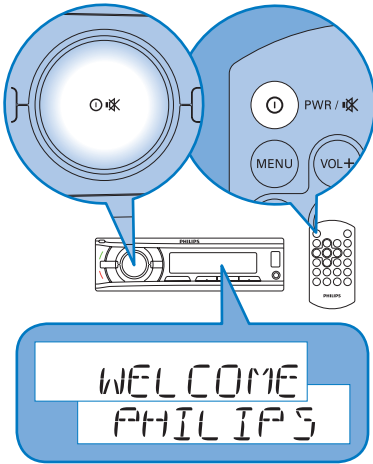
# 3

## Get started



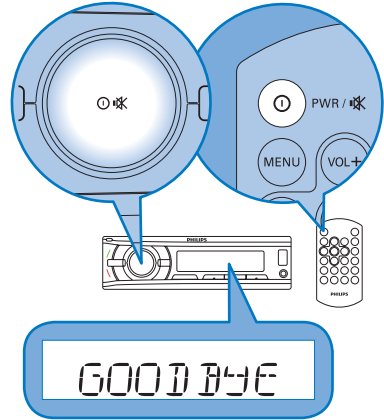
### Turn on / Turn off

Turn on

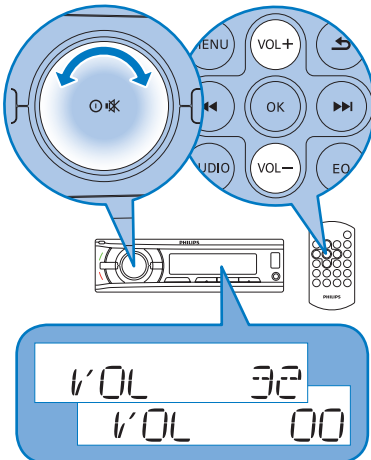


Turn off

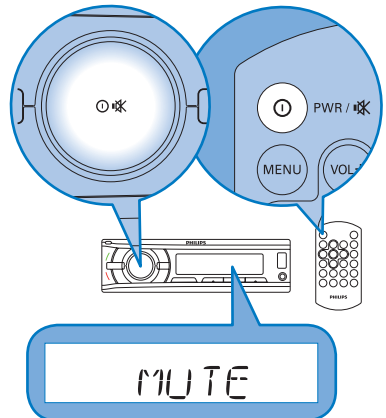
3 seconds



### Adjust volume



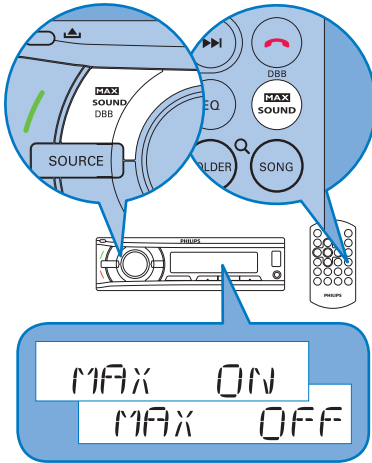
### Mute



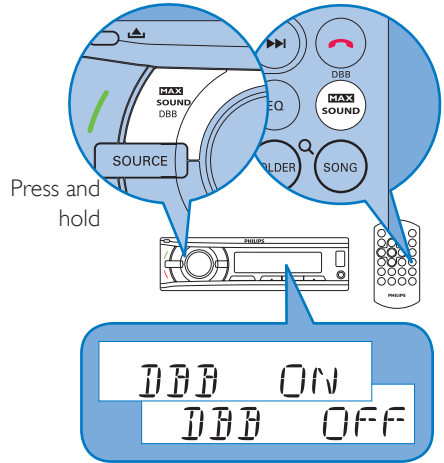




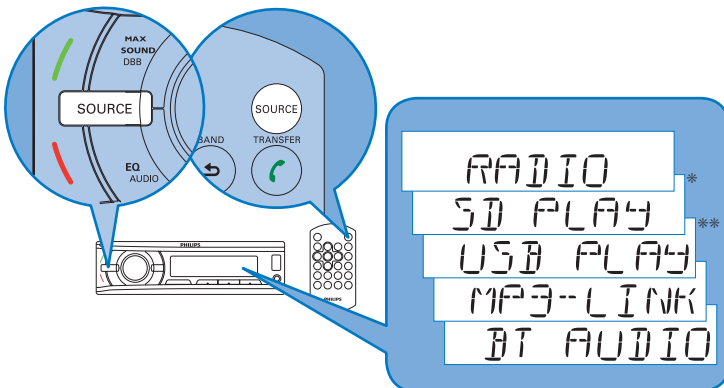
## Maximizing volume



## Dynamic Bass Boost



## Source

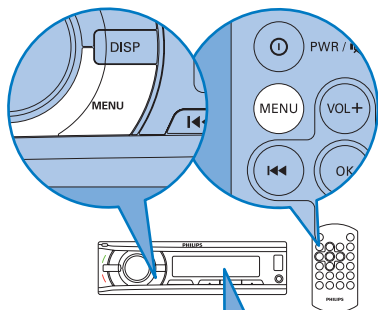


\* if SD card is inserted

\*\* if USB device is inserted



## Adjust system settings



MENU RE--CON --  
DIS--CON--

MENU BT Bluetooth BT ON BT OFF

MENU AREA USA Latin Europe Russia  
AREA USA LAT EUR RUS

MENU CLK SET Area: USA, Latin Area: Europe, Russia  
Set clock CLK 12:00<sup>PM</sup> CLK 00:00  
CLK 12:00<sup>PM</sup> CLK 00:00

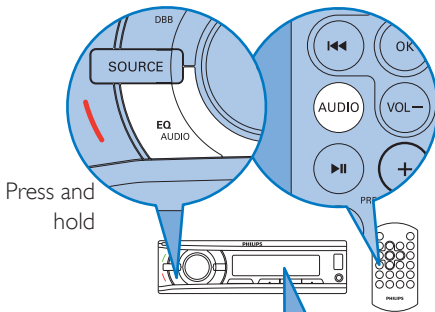
MENU BEEP BEEP ON BEEP OFF

MENU BKO BKO OFF BKO 10 S BKO 20 S

MENU DEMO DEMO ON DEMO OFF



## Adjust sound settings



**AUDIO** **BASS** **BAS +7**

**BAS 0**

**BAS -7**

**AUDIO** **TREBLE** **TRE +7**

**TRE 0**

**TRE -7**

**AUDIO** **BALANCE** **BAL 12R**

**BAL 0**

**BAL 12L**

**AUDIO** **FADER** **FAD 12F**

**FAD 0**

**FAD 12R**

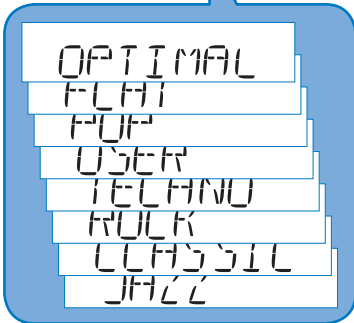
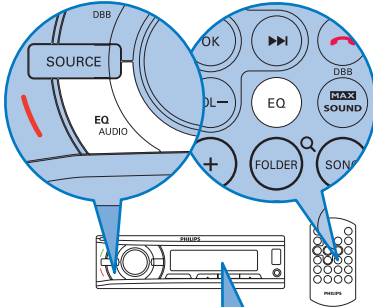
**AUDIO** **SUBWF** **SUBW ON**

Subwoofer

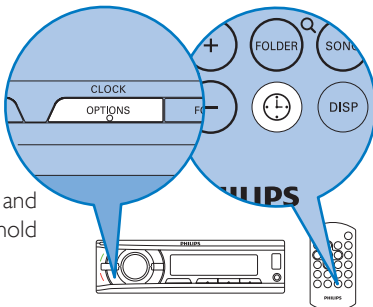
**SUBW OFF**



## Equalizer



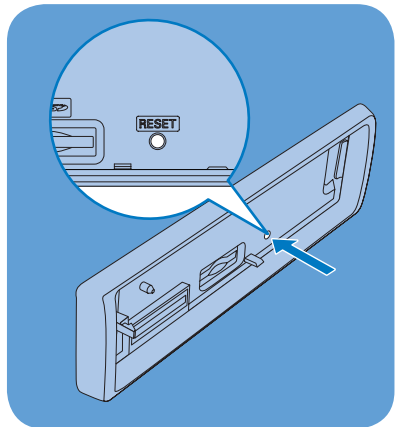
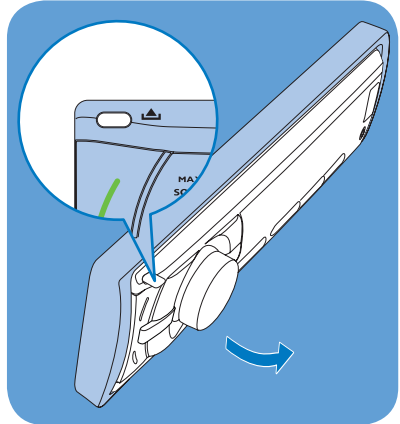
## View clock



Press and hold



## Reset



**Caution**

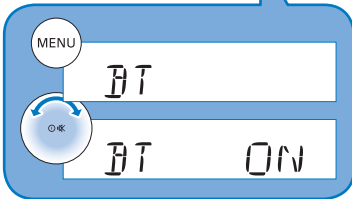
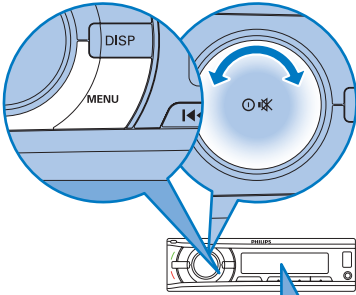
Once it is restore, it cannot be undone.



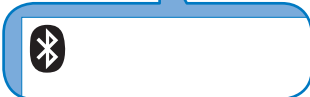
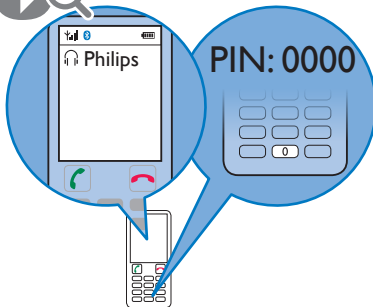
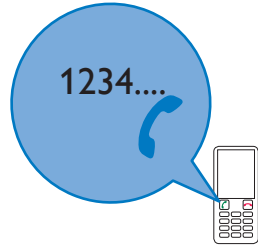
# Connect Bluetooth



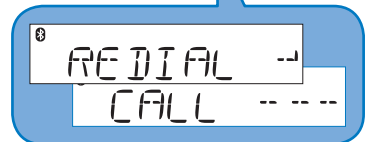
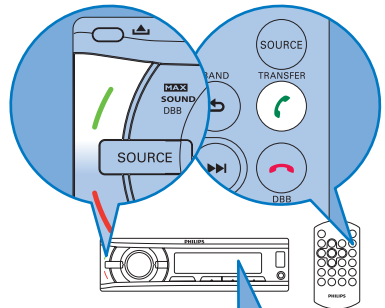
## Pairing



## Make a call

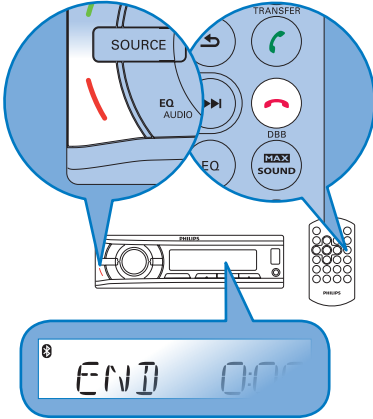


## Redial

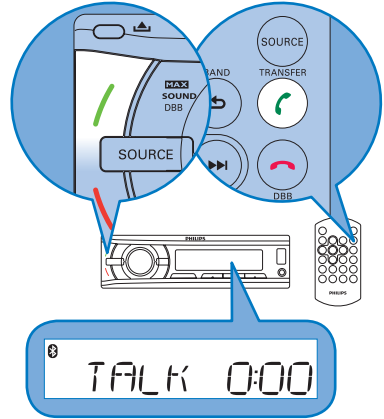




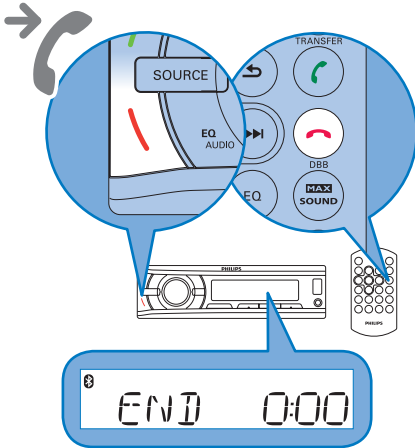
## End a call



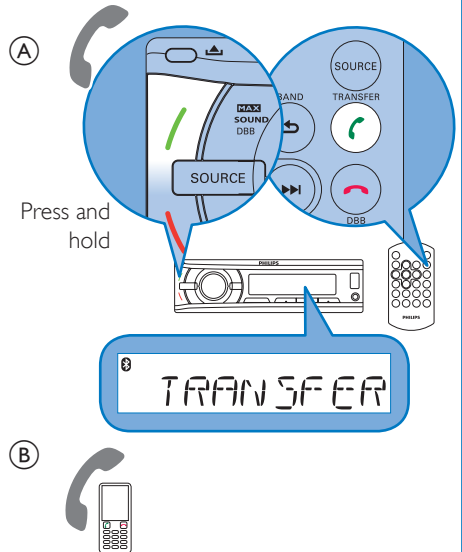
## Answer a call



## Reject a call

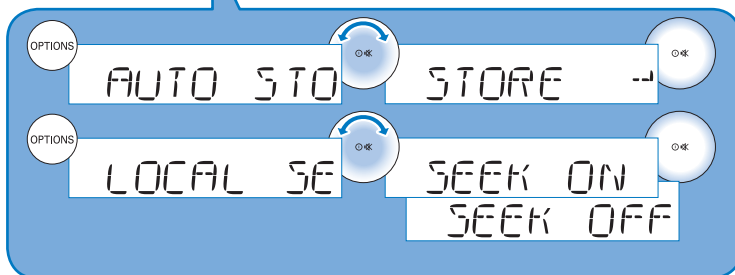
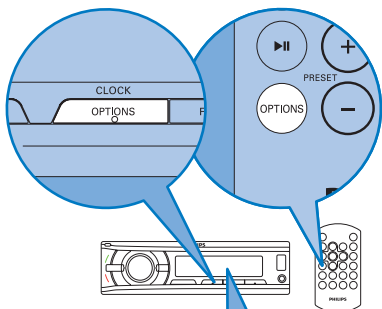


## Transfer a call





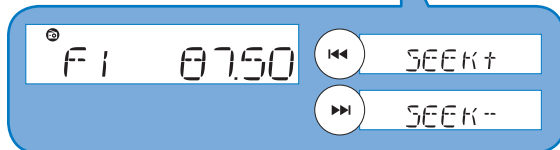
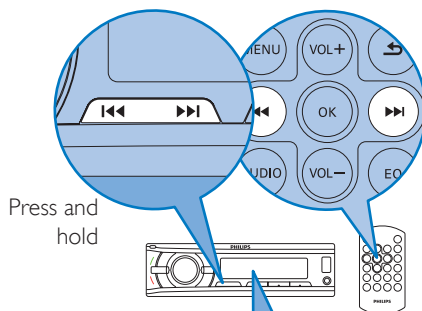
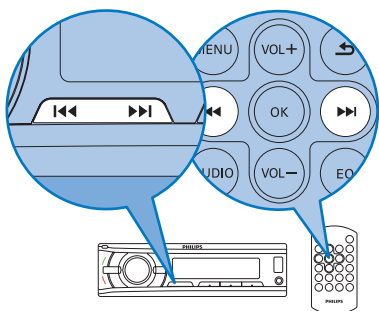
# Radio



## Manual tune

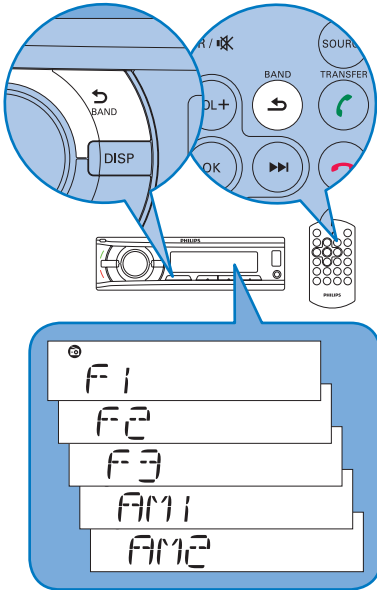


## Auto tune

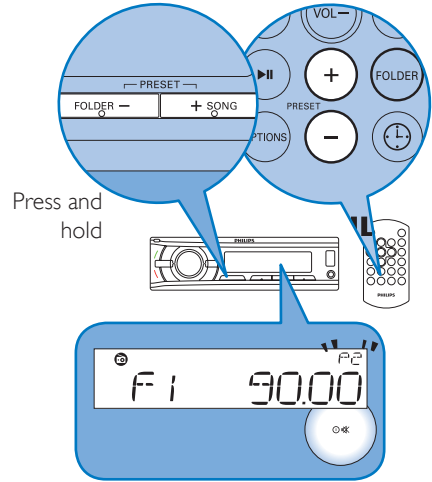


FM  
AM

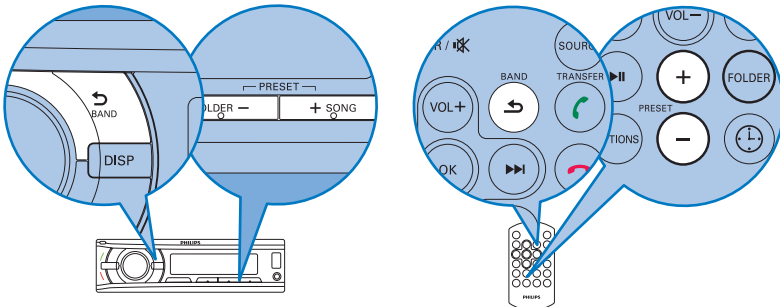
## Select band



## Preset station



## Play preset station



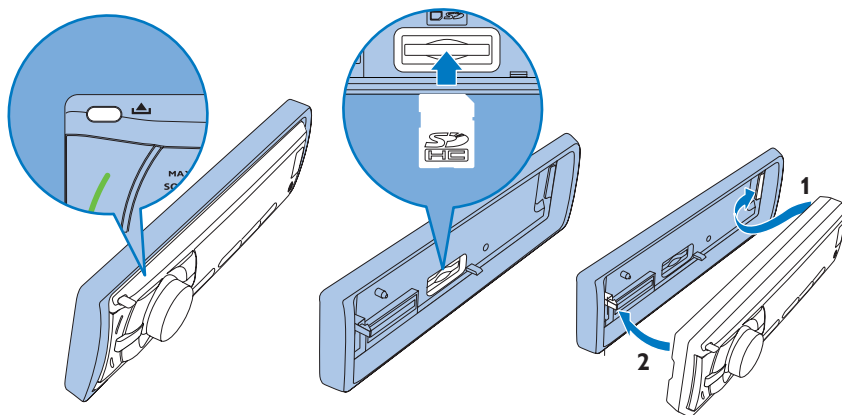




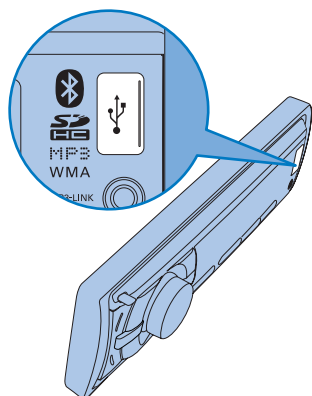
## SD card / USB



### Insert SD card

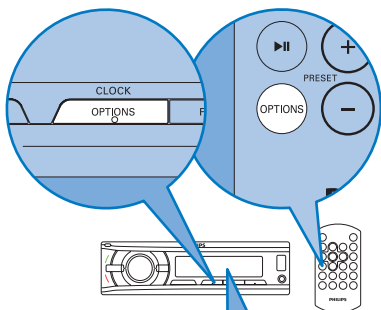


### Insert USB device





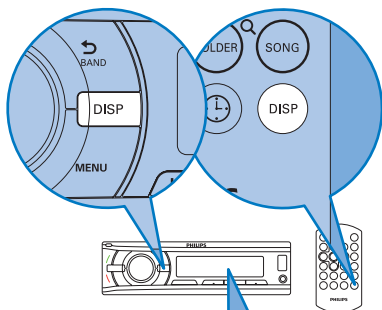
## Play option



OPTIONS	REPEAT	RPT ALL RPT TRK RPT FLI
OPTIONS	RANDOM	RIM ALL RIM OFF RIM FLI
OPTIONS	INTRO	INT ALL INT OFF INT FLI



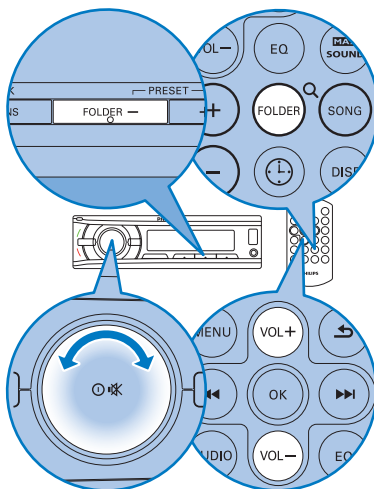
## Song information



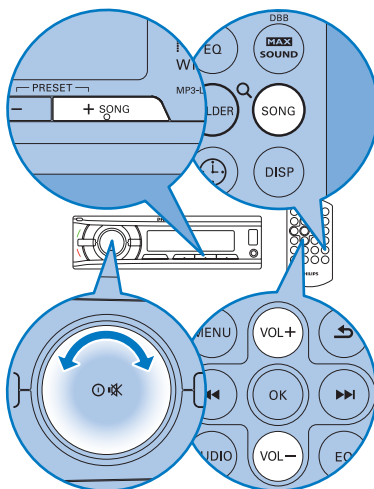
- DISP Track number and elapsed play time
- DISP Folder
- DISP File
- DISP Album
- DISP Title
- DISP Artist



## Search folder



## Search track

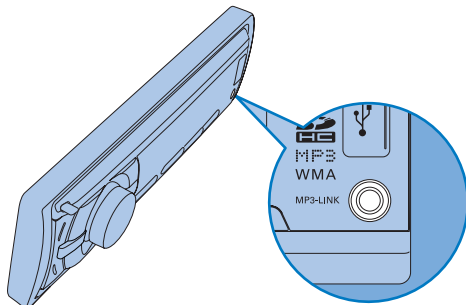




## MP3-Link



Listen to other source



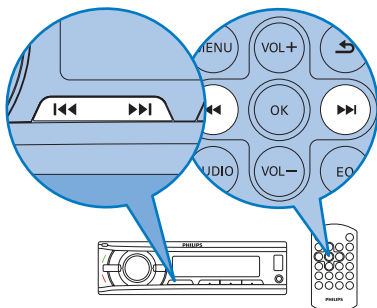
SD card / USB



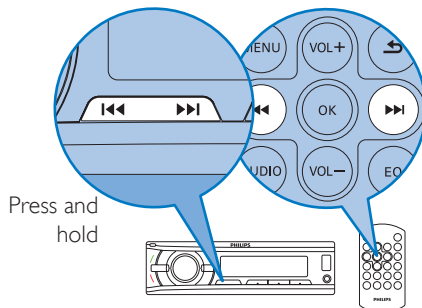
Bluetooth audio



Skip track



Search within a track





# Product information

## Note

Product information is subject to change without prior notice.

Power supply	12VDC (11V-16V), negative ground
Fuse	15A
Suitable speaker impedance	4 - 8 $\Omega$
Maximum power output	45 W $\times$ 4 channels
Continuous power output	22 W $\times$ 4 RMS (4 $\Omega$ 10% T.H.D.)
Pre-Amp output voltage	2.5 V
Aux-in level	$\geq$ 500 mV
Dimensions (W $\times$ H $\times$ D)	188 $\times$ 58 $\times$ 140 mm
Weight	0.8 kg

## Radio

Frequency range - FM	87.5 - 108.0 MHz (100kHz per step in auto search and 50kHz per step in manual search)
Frequency range - AM(MW)	522 - 1620 KHz (9 kHz) 530 - 1710 kHz (10 kHz)
Usable sensitivity - FM	8 $\mu$ V
Usable sensitivity - AM(MW) (S/N= 20 dB)	30 $\mu$ V

## Bluetooth

Output power	0 dBm (Class 2)
Frequency band	2.4000 GHz - 2.4835 GHz ISM Band
Range	3 meters(free space)
Standard	Bluetooth 2.0 specification

## Compatible USB devices

- USB flash memory: USB 1.1 host with interface reading all speed support (1.1, 2.0)
- USB flash players: USB 1.1 host with interface reading all speed support (1.1, 2.0)
- memory cards (SD / SDHC)

## Supported formats

- USB or memory file format: FAT16, FAT32
- MP3 bit rate (data rate): 32-320 Kbps and variable bit rate
- WMA V4, V7, V8, V9 (L1, L2)
- Maximum title number: 512 (depending on file name length)
- Maximum album number: 255
- Supported sampling frequencies: 2 kHz, 44.1 kHz, 48 kHz
- Supported Bit-rates: 2~256 (kbps), variable bit rates
- Directory nesting up to a maximum of 8 levels
- Number of albums/ folders: USB maximum 199
- Number of tracks/titles: maximum 999
- ID3 tag v2.0 or later
- File name in Unicode UTF8 (maximum length 64 bytes)

## Unsupported formats

- Empty albums: an empty album is an album that does not contain MP3/WMA files, and is not be shown in the display.
- Unsupported file formats are skipped. For example, Word documents (.doc) or MP3 files with extension .dlf are ignored and not played.
- AAC, WAV, PCM audio files
- DRM protected WMA files (.wav, .m4a, .m4p, .mp4, .aac)
- WMA files in Lossless format



# Troubleshooting



## Caution

Never remove the casing of this apparatus.

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

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

### No power or no sound

- Car engine is not on. Turn the car engine on.
- Cable is not correctly connected. Check connections.
- Fuse is burnt. Replace fuse .
- Volume is too low. Adjust volume.
- If the above solutions cannot help, press the RESET button.
- Ensure that the track played is of a compatible format.

### 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.

### Display show ERR-1

- The disc, USB or SD device cannot be read in two minutes.

### Display show ERR-3

- USB/SD data error.

### Display show ERR-5

- Communication error or component is damaged.

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## About Bluetooth device

### Cannot pair the Bluetooth enabled device with the car audio 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 audio quality is poor after connection with a Bluetooth-enabled device.

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

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

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

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

- The Bluetooth reception is poor. Move the mobile phone closer to the car audio 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.



# Important

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## Safety

- Read and understand all instructions before you use your apparatus. If damage is caused by failure to follow instructions, the warranty does not apply.
- This apparatus is designed for negative ground (earth) 12 V DC operation only.
- 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.
- Clean the apparatus and frame with a soft, damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the apparatus.
- Never place any objects other than discs into the apparatus.
- Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.
- Visible and invisible laser radiation when open. Avoid exposure to beam.
- Risk of damage to the apparatus screen! Never touch, push, rub or strike the screen with any object.



## Caution

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

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## Notice

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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## Recycling



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



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

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



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