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OST690



# User Manual



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## 1 Important

- Read these instructions.
- Follow all instructions.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the unit.
- Only use attachments or accessories specified by the manufacturer.
- Unplug this unit during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way.
- Battery usage CAUTION To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:
  - Install all batteries correctly, + and as marked on the unit.
  - Do not mix batteries (old and new or carbon and alkaline, etc.).
  - Remove batteries when the unit is not used for a long time.
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- Tropical condition has been considered and complied.
- The unit shall not be exposed to dripping or splashing.
- Do not place any sources of danger on the unit (e.g. liquid filled objects, lighted candles).
- Where the MAINS plug or an appliance coupler is used as the disconnect device,

the disconnect device shall remain readily operable.



#### Warning

- · Never remove the casing of this unit.
- Never place this unit on other electrical equipment.

# 2 Your Speaker System

## Introduction

With this speaker system, you can:

- listen to FM radio:
- enjoy audio from Bluetooth-enabled devices, USB device, and other external audio devices; and
- charge your mobile phone with the supplied USB cable.

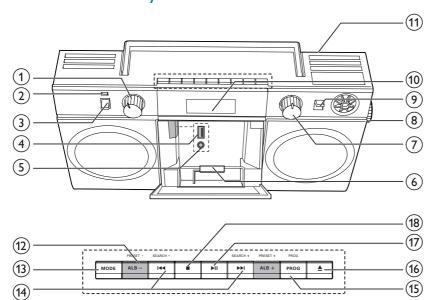
The system offers you Dynamic Bass Boost (DBB) to enrich sound.

## What's in the box

Check and identify the contents of the package:

- Main unit
- AC power cord
- USB cable for charging
- Short user manual
- Safety & notice leaflet

## Overview of the system



- (1) Source selector
  - Select a source: BLUETOOTH, FM, or USB.
- (2) LED indicator
- (3) ON/OFF
  - Turn the system on or off.
- (4) ←
  - Connect a USB storage device.
  - Charge a mobile phone with the supplied USB cable.
- (5) AUDIO IN
  - Connect an external audio device
- (6) Slider
  - Stabilize the mobile phone while charging.
- (7) VOLUME
  - Adjust volume.
- (8) -TUNING +
  - Tune to FM radio stations manually.

- 9 DBB
  - Turn dynamic bass enhancement on or off.
- (10) Display panel
- (11) FM antenna
  - Improve FM radio reception.
- (12) ALB/PRESET -/+
  - Select a preset radio station.
  - Skip to the previous or next album.
  - Adjust display brightness.
- (13) MODE
  - Select a repeat or shuffle mode.
  - Activate brightness adjustment.
- (14) I◀◀ / ▶▶I SEARCH+/-
  - Skip to the previous or next track.
  - Tune to FM radio stations automatically.
  - Search within a track.
- (15) PROG
  - Program the play sequence of tracks.
  - Program FM radio stations.

- (16) ▲
  - Open or close the compartment.
- (17) **▶ | |** 
  - Start or pause play.
- (18) I
  - Stop play.
  - · Erase a program.

## 3 Get started

Always follow the instructions in this chapter in sequence.

## Connect power

The system can be powered by either AC power or batteries.

## Option 1: Battery power



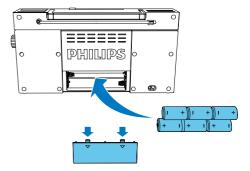
#### Caution

 Batteries contain chemical substances, so they should be disposed of properly.



### Note

- · Batteries are not supplied with the accessories.
- 1 Open the battery compartment.
- 2 Insert 6 batteries (type: R14/UM2/C CELL) with correct polarity (+/-) as indicated.
- 3 Close the battery compartment.



## Option 2:AC power



#### Warning

- Risk of product damage! Make sure that the power supply voltage corresponds to the voltage printed on the back or the underside of the system.
- Risk of electric shock! When you disconnect the AC power, always pull the plug from the socket. Never pull the cord.

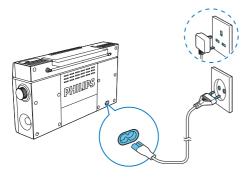
Connect the AC power cord to:

- the AC~ MAINS socket on the back of the system.
- the wall outlet.



#### Тір

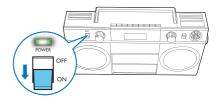
· To save energy, turn off the system after use.



## Turn on

Switch the power slide to the **ON** position.

- → The system switches to the last selected source.
- ightharpoonup The LED indicator lights up.



## Turn off

Switch the power slide to the **OFF** position.

→ The LED indicator turns off.

## Switch to standby mode

- In AC power supply mode, if there is no operation for 3 hours, this product will switch to standby mode automatically for energy-saving. After the first 30-minute inactivity, the display will start to show the remaining time before entering standby mode (from 149:59 to 0:00).
- In DC power supply mode, if there is no operation for 15 minutes, this product will switch to standby mode automatically for energy-saving. After the first 5-minute inactivity, the display will start to show the remaining time before entering standby mode (from 9:59 to 0:00).
- → You may press ► II to cancel the countdown and resume normal operation, or continue charging.

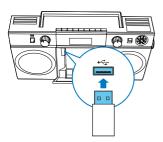
# 4 Play

## Play from a USB device



Note

- Make sure that your USB device contains playable audio content.
- 1 Rotate the source selector to the **USB** position.
- 2 Press ≜ to open the compartment.
- 3 Insert the USB device into the ← socket inside the compartment.
  - → Play starts automatically. If not, press





Note

 The USB socket is not compatible with music playback from your smartphone.

## Control play

In USB mode, you can control play through the following operations.

Select an audio file:

Press and hold to fast-forward or fast-reverse the track during playback, then release to resume play.

ALB-/ ALB+	Skip to the previous or next MP3/ WMA album.
►II	Start or pause play.
	Stop play.
MODE	[ ♠]: Play the current track repeatedly. [ ♣ALB ]: Play the current album repeatedly. [ ♣ALL ]: Play all tracks repeatedly. [ ♣ALL ]: Play tracks randomly. To return to normal play, press MODE repeatedly until the repeat or shuffle icons disappear.

## Program tracks

In USB mode, you can program the play sequence of tracks. A maximum of 20 tracks can be programmed.

- 1 Press to stop playback.
- 2 Press **PROG** to activate the programming mode.
  - → [PROG] is displayed and [P01] begins
- For MP3/WMA tracks, press ALB -/ALB + to select an album.
- 4 Press I I I I belt to select a track number, then press PROG to confirm.
- **5** Repeat steps 3-4 to program more tracks.
- 6 Press ►II to play the programmed tracks.
  - → During play, [PROG] (program) is displayed.
  - To erase the program, press twice.

# Play from Bluetooth-enabled device



#### Note

- The effective operating range between the system and the paired device is approximately 10 meters (30 feet).
- Any obstacle between the system and the device can reduce the operational range.
- Compatibility with all Bluetooth devices is not guaranteed.
- 1 Rotate the source selector to the **BLUETOOTH** position.
- On your Bluetooth device, enable Bluetooth and search for Bluetooth devices that can be paired (refer to the user manual of the device).
- When [OST690] is displayed on your device, select it to start pairing and connection.
  - After successful pairing and connection, the system beeps twice.
- 4 Play audio on your device.
  - → Audio streams from your device to this system.

#### To disconnect the Bluetooth-enabled device:

- Deactivate Bluetooth on your device; or
- Move the device beyond the communication range.

#### To clear Bluetooth pairing history:

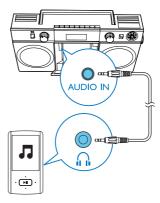
Press ■ and **PROG** together for 3 seconds.

- → The current Bluetooth connection is disconnected.
- → After successful clearing, [CLR] (clear) blinks for 5 seconds, then [-] scrolls on the display.

# Play from an external audio device

You can also listen to an external audio device such as an MP3 player through this system.

- 1 Press ≜ to open the compartment.
- 2 Connect an audio cable (3.5mm, not supplied) to:
  - the AUDIO IN socket inside the compartment.
  - the headphone socket on an external device.
  - → The system switches to Audio-in mode automatically.



3 Play audio on the external device (see the user manual of the device).

# 5 Listen to FM radio

## Tune to FM radio stations



Note

- For better reception, fully extend and adjust the position of the FM antenna.
- 1 Rotate the source selector to the FM position.
- Press SEARCH +/-.
  - → The system tunes to a station with strong reception automatically.
- **3** Repeat step 2 to tune to more stations.

To tune to a radio station manually: Rotate the tuning knob slowly.

# Store radio stations automatically

In tuner mode, press and hold **PROG** for 2 seconds.

- → The system stores all the available FM radio stations.
- → The first stored radio station is broadcast automatically.

## Store radio stations manually



Note

- · You can store a maximum of 20 FM radio stations.
- 1 Tune to an FM radio station.
- 2 Press **PROG** to activate the storing mode.

- 3 Press PRESET + or PRESET to allocate a number (1 to 20) to this radio station, then press PROG to confirm.
  - → The preset number and the frequency of the preset station are displayed.
- 4 Repeat the above steps to store other stations.



Note

 To remove a pre-stored FM radio station, store another station in its place.

## Select a preset radio station

In FM tuner mode, press **PRESET +** or **PRESET** - to select a preset radio station.

## 6 Other features

## Charge your mobile phone



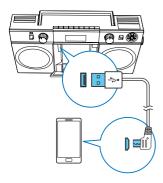
Note

- · Make sure that you have switched on the system.
- 1 Rotate the source selector to BLUETOOTH/CHR or FM/CHR

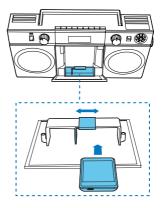


- 2 Press ≜ to open the compartment.
- Connect the supplied USB cable to:
  - the 

    socket inside the compartment.
  - the USB socket on your mobile phone.
  - → The charging icon is displayed on your phone.



4 Adjust the slider inside the compartment to stabilize your phone.



5 Close the compartment.



Note

 You cannot charge your mobile phone when the system is powered by the batteries.

## Adjust display brightness

- 1 Press and hold MODE for 3 seconds.
- 2 Press ALB/PRESET -/+ repeatedly to adjust the display brightness.

## Adjust volume

Rotate the **VOLUME** knob to adjust volume.

## **Enhance bass**

To turn dynamic bass boost on or off, switch the **DBB** slide to the **ON** or **OFF** position.

# 7 Product information



#### Note

 Product information is subject to change without prior notice.

## **Specifications**

--- I:C---

Audio-in Input

Ampillier				
Max Output Power	6W per channel x 2			
Frequency Response	125 -16000 Hz, -3dB			
Signal to Noise Ratio	>55 dBA			
Total Harmonic				
Distortion	<1 %			

650 mV RMS

### **Tuner**

Tuning Range	87.5 - 108 MHz
Tuning Grid	50 kHz
Sensitivity	
- Mono, 26dB S/N Ratio	<22 dBf
- Stereo, 46dB S/N Ratio	<41 dBf
Total Harmonic Distortion	<3%
Signal to Noise Ratio	>50 dBA

## Bluetooth

Standard	Bluetooth Standard Version 2.1+EDR
Range	10m (free space)

## Speaker

Speaker Impedance	8 ohm
Speaker Driver	4"

#### General

Power supply		
- AC Power	220-240 V~, 50/60 Hz;	
- Battery	6 x 1.5 V R14/UM2/C	
	CELL	
Operation Power		
Consumption	15 W	
Standby Power		
Consumption	<0.5 W	
Max. Loading (USB)	5V=1A	
Dimensions - Main Unit		
$(W \times H \times D)$	447 × 230 × 116 mm	
Weight (Main Unit)	2.2 kg	

## Supported MP3 disc formats

- 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: 32~256 (kbps), variable bit rates

## 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 (requires an additional card reader to work with this apparatus)

#### Supported formats:

- USB or memory file format FAT12, FAT16, FAT32 (sector size: 512 bytes)
- MP3 bit rate (data rate): 32-320 Kbps and variable bit rate
- WMA v9 or earlier
- Directory nesting up to a maximum of 8 levels
- Number of albums/ folders: maximum 99
- Number of tracks/titles: maximum 999

- ID3 tag v2.0 or later
- File name in Unicode UTF8 (maximum length: 128 bytes)

#### Unsupported formats:

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

# 8 Troubleshooting



#### 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 page (www.philips.com/support). When you contact Philips, make sure that the device is nearby and the model number and serial number are available.

#### No power

- Ensure that the AC power plug of the unit is connected properly.
- Ensure that there is power at the AC outlet.
- Insert the batteries with their polarities (+/– signs) aligned as indicated.
- Replace the battery.

## No sound or poor sound

Adjust the volume.

## No response from the unit

 Disconnect and reconnect the AC power plug, then turn on the system again.

## USB device not supported

 The USB device is incompatible with the apparatus. Try another one.

### Poor radio reception

- Increase the distance between the unit and yourTV orVCR.
- Fully extend the FM antenna.

## 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 device connects and disconnects constantly.

- The Bluetooth reception is poor. Move the device closer to the system or remove any obstacle between the device and the system.
- For some devices, the Bluetooth connection may be deactivated automatically as a power-saving feature.
   This does not indicate any malfunction of the system.

## 9 Notice

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

# **C**€0890

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



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/ FC.

Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.



Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste.Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental 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), paper pulp (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.

#### Class II equipment symbol



This symbol indicates that the unit has a double insulation system.



#### Vote

 The type plate is located on the bottom of the apparatus.



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