LG
Life's Good

OWNER'S MANUAL

Wireless Speaker for Android Dock

MUSIC IN STYLE

Please read this manual carefully before operating
your set and retain it for future reference.

ND2531

Safety Information

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

WARNING: Do not install this equipment in a confined space such as a book case or similar unit.

NOTICE : For safety marking information including product identification and supply ratings, please refer to the main label on the bottom of the apparatus.

CAUTION:
- The apparatus shall not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Only use the AC adaptor supplied with this device. Do not use a power supply from another device or another manufacturer. Using any other power cable or power supply may cause damage to the device and void your warranty.
- To avoid fire or electric shock, do not open the unit. contact to qualified personnel only.
- Do not leave the unit in a place near the heating appliances or subject to direct sunlight, moisture, or mechanical shock.
- Do not leave the unit on an unstable place such as high shelves. It may fall down because of the vibration of the sound.

CAUTION concerning the Power Cord

Most appliances recommend they be placed upon a dedicated circuit;

That is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain. Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized service center. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance. To disconnect power from the mains, pull out the mains cord plug. When installing the product, ensure that the plug is easily accessible.

This device is equipped with a portable battery or accumulator.

Safety way to remove the battery or the battery from the equipment: Remove the old battery or battery pack, follow the steps in reverse order than the assembly. To prevent contamination of the environment and bring on possible threat to human and animal health, the old battery or the battery put it in the appropriate container at designated collection points. Do not dispose of batteries or battery together with other waste. It is recommended that you use local, free reimbursement systems batteries and accumulators. The battery shall not be exposed to excessive heat such as sunshine, fire or the like.

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Main Features

Made for Android device

Enjoys music from your Android device with simple connection.

Portable In

Listens to music from your portable device.

Bluetooth®

Listens to music stored on your Bluetooth device.

BASS (BASS BLAST)

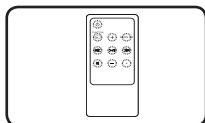Reinforce BASS (BASS BLAST) sound effect..

LG Bluetooth Remote

You can control this unit with your Android device via Bluetooth. This unit and your Android device must be connected to Bluetooth app. Visit "Google Android Market (Google Play Store)" and use this QR code to search for "LG Bluetooth Remote" app. For detailed information, refer to the 13 page.
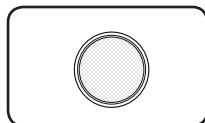
(Android OS)

Accessories
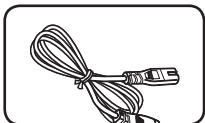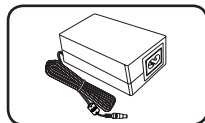
Please check and identify the supplied accessories.

Remote control (1)   Battery (1)

Power cord(1)   AC adapter(1)

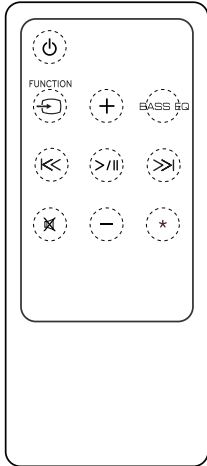## Introduction

Symbol Used in This Manual

⚠ **Note**

Indicates special notes and operating features.

⚠ **Caution**

Indicates cautions for preventing possible damages from abuse.

1

Remote Control

🔘 (Power): Switches the unit ON or OFF.

🔘**FUNCTION** : Selects the function and input source.

+/- (Volume) : Adjusts volume of speaker.

BASS EQ : Reinforce BASS (BASS BLAST) sound effect.

|≪ / ≫|(Skip) : Skips fast Backward or Forward.

≫/‖(Play/Pause) : Starts or pause playback

🔇 (Mute) : Mutes the sound.

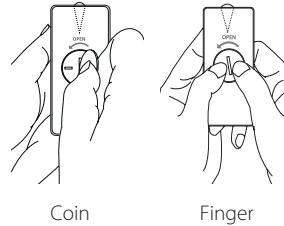✱ : The button is not available for any function.

> ⚠ **Caution**
>
> The battery used in this device may present a fire or chemical burn hazard if mistreated. Do not recharge, disassemble, incinerate, or heat above 100 ℃ (212 ℉). Replace the battery part no. CR2025 only. Use of another battery may present a risk of fire or explosion. Dispose of used battery. Keep battery away from children. Do not disassemble or dispose of in fire.
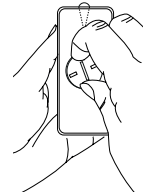
Battery Installation

You have two ways to open the battery cover.

1. Turn the battery cover counterclockwise by using a coin or your finger. Then take the battery cover.
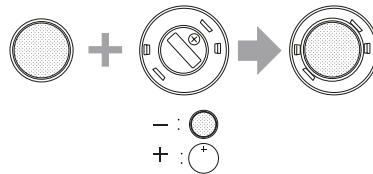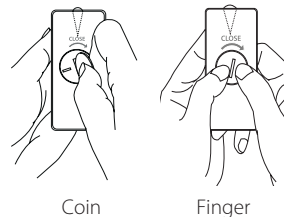
Coin   Finger

2. Insert and fix the battery with the plus (+) facing in the same direction as the plus (+) on the battery cover.

  − : ⊖

  + : ⊕

3. Put the battery cover on the remote control and turn it clockwise to close.
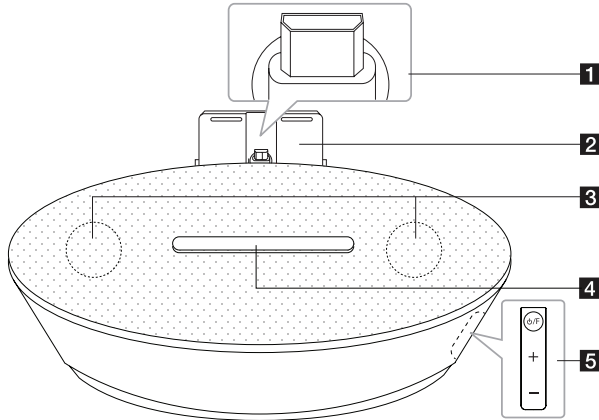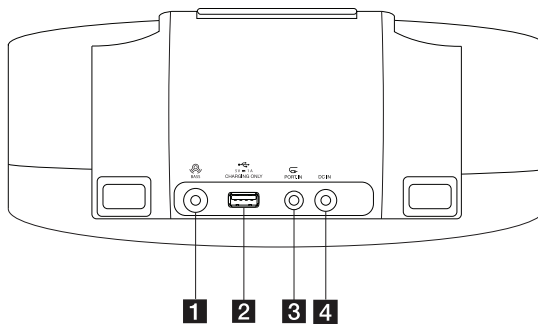
Coin   Finger

> ⚠ **Caution**
>
> If you have long nails, do not open the battery cover by using your finger. Or else, your nail would be broken.

Front Panel

a Android device Dock
    Connects your Android device.
b Support for Android device
c Speaker
d Display Window
    Displays each of functions.

e ⏻ **/ F** (Power/Function)
    - Power on : Press ⏻ **/ F** to turn the unit on.
    - Power off : Press and hold ⏻ **/ F** for about 3
    seconds to turn the unit off.
    - Selects the function and input source.

    +/- (Volume)
    Adjusts volume of speaker.

Rear Panel

a BASS
    Reinforce BASS (BASS BLAST) sound effect.
b ⟌ (USB) (Charging Only)
    Charges your portable device.

c PORT.IN
    Listens to music from your portable device.
d **DC IN** (AC adapter input)
    Connects the supplied AC adapter.

> **⚠ Caution**
>
> Precautions in using the touch buttons
> - Use the touch buttons with clean and dry hands. - In a humid environment, wipe out any moisture on the touch buttons before using.
> - Do not press the touch buttons hard to make it work. - If you apply too much strength, it can damage the sensor of the touch buttons.
> - Touch the button that you want to work in order to operate the function correctly.
> - Be careful not to have any conductive material such as metallic object on the touch buttons. It can cause malfunctions.
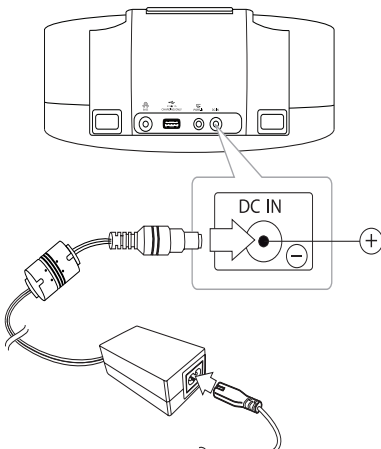
> **⚠ Caution**
>
> Only use the AC adapter supplied with this device. Do not use a power supply from another device or manufacturer. Using any other power cable or power supply may cause damage to the device and void your warranty.

Connecting the AC Adapter

1. Connect the supplied AC power cord to the AC adapter.
2. Connect the AC adapter cable to DC IN adapter input.
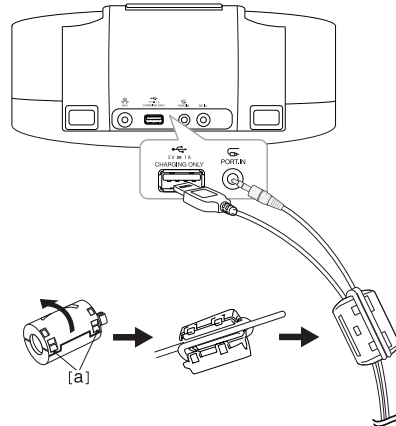3. Plug the AC power cord into an AC outlet. Then the unit goes into standby mode.

# About Ferrite Core (Optional)

This ferrite core can reduce noises.

How to attach the ferrite core

1. Pull the stopper [a] of the ferrite core to open.
2. Wind the portable cable and USB cable on the ferrite core.
3. Close the ferrite core until it clicks.

Basic Operations

Switch to Standby mode

Press ⏻ or press and hold ⏻ / F. The LED indicators light up and the last function you selected blinks.Then the unit switches to standby mode.

Switch to Power Off

Press ⏻ or press and hold ⏻ / F. The LED indicators light off and the unit switches to power off.

Android Device Operation

You can enjoy the sound from your LG Android device through the dock for Android device of this unit. For details about Android device, refer to the Android device User Guide.

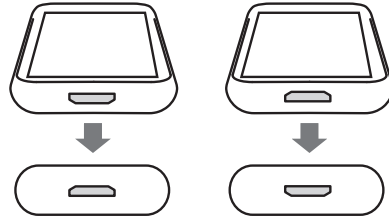To stream audio from your Android device through this unit, you need :

• With Android operation system : Ver 4.1(or later)

• With a micro USB connector

With Android operation system (Version 4.0 or below), this unit can only charge it and you can enjoy audio through Bluetooth.
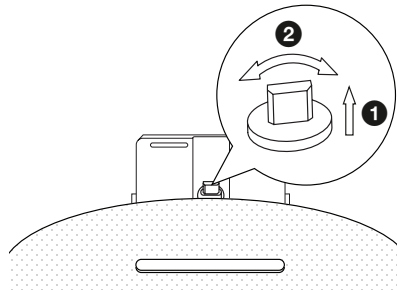
> **Note**
>
> • This unit may not compatible with the device that does not support the *AOA (Android Open Accessory) 2.0 version.
> It is possible that certain devices may not support or be compliant with the AOA2.0 USB audio standard, resulting in the device freezing or rebooting after directly docked and detached from the speaker system. If you experience this problem, please contact your device manufacturer. Your device may need to be updated with the latest Jellybean software and or the correct AOA2.0 USB audio standard.
> *About AOA (Android Open Accessory) 2.0 version;
> Audio output from Android device to the Accessory and HID (Human Interface Device)
>
> • You are recommended to remove the case for your Android device(Ver 4.1or later) before you dock your Android device.
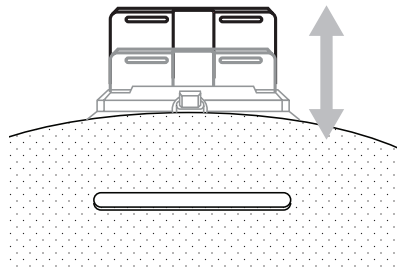
1. Check the orientation of the micro USB connector on your Android device.
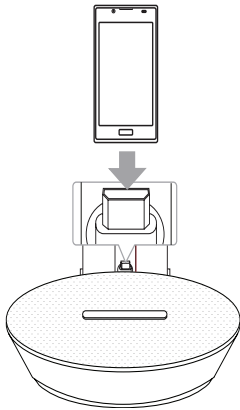

2. You can rotate Android device Dock.
If you want to rotate the dock, pull the dock upwards and then rotate it to the right or left .

3. Install Support for Android device.

4. Dock the Android device firmly.

5. Press 🔲**FUNCTION** or ⏻**/F** to select 🤖 (Phone)function.

To	Do this
Play	Press ▶/❚❚.
Pause	During playback, Press ▶/❚❚.
Skip	During playback, press ❚◀◀ / ▶▶❚ to go to the next file or to return to the beginning of the current file. During playback, press ❚◀◀ twice briefly to step back to the previous file.

⚠ Note

- If the phone connection has an error, check these problems as follows;
- Your Android device is not connected firmly.
- This unit recognizes your Android device as an unknown device.
- Your Android device is not booted.
- Check the setting of USB connection type on your Android device.
- When you disconnect your Android device from the dock during playback, the playback may continue.
- In case of no sound from this unit, adjust the volume of your Android device.
- When you connect Bluetooth during playback of your Android device, the audio output is temporarily muted.
- The charging time may vary depending on your Android device.
- Some Android devices may not be charged.
- Depending on the position and orientation of the micro USB connector on your Android device, connect it in portrait or landscape position. You can rotate the micro USB connector
- If your Android device does not support AOA (Android Open Accessory) 2.0 version, this unit can only charge your Android device even though Android device has OS 4.1 (or later).

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Operating

Turning Off the Sound Temporarily

Press 🔇 to mute the sound. You can mute the sound in order, for example, to answer the telephone. To cancel mute function, press 🔇 again or adjust volume level by pressing **+/-** (Volume).

Auto Power Down

This unit will power itself down to save electronic consumption in case main unit is not connected to external device and is not used for 25 minutes. Also this unit will power down if no input is connected using the analogue input after six hours.
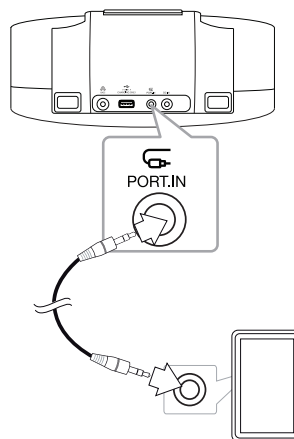
Setting BASS (BASS BLAST) sound effect

You can listen to music by setting BASS (BASS BLAST) sound effect. Press **BASS EQ** or 〰️**BASS** repeatedly.Then you can reinforce BASS (BASS BLAST) sound effect.

LED (〰️) ON : BASS (BASS BLAST)

LED (〰️) OFF : BYPASS

Listening to Music from Your Portable Device

The unit can be used to play the music from many types of portable device. (Portable cable is not supplied as an accessory with this unit.)

1. Connect the portable device to the 🎧 **PORT. IN** connector of the unit.

2. Turn the power on by using ⏻or ⏻ **/ F**.

3. Select the 🎧(PORTABLE) function by pressing ⏏**FUNCTION** or ⏻ **/ F**.

4. Turn the portable device on and start playing music.

Using a Bluetooth Wireless Technology

About Bluetooth

Bluetooth® is wireless communication technology for short range connection.

The available range is within 10 meters.

(The sound may be interrupted when the connection interfered by the other electronic wave or you connect the bluetooth in the other rooms.) Connecting individual devices under *Bluetooth*® wireless technology does not incur any charges. A mobile phone with *Bluetooth*® wireless technology can be operated via the Cascade if the connection was made via *Bluetooth*® wireless technology. Available Devices : Mobile phone, MP3, Laptop, PDA.

Bluetooth Profiles

In order to use Bluetooth wireless technology, devices must be able to interpret certain profiles. This unit is compatible with following profile.

A2DP (Advanced Audio Distribution Profile)

Listening to Music of a Bluetooth Device

Before you start the pairing procedure, make sure the Bluetooth feature is turned on in to your Bluetooth device. Refer to your Bluetooth device's user guide. Once a pairing operation is performed, it does not need to be performed again.

1. Select the Bluetooth function by using the
    ⏏**FUNCTION** or ⏻**/F**. Bluetooth LED " ☀ "
    blinks in the display window.

2. Operate the Bluetooth device and perform the pairing operation. When searching for this unit with the Bluetooth device, a list of the devices found may appear in the Bluetooth device display depending on the type of Bluetooth device.Your unit appears as "LG Docking (XX:XX)".

> **❗ Note**
>
> XX:XX means the last four digits of BT address. For example, if your unit has a BT address such as 9C:02:98:4A:F7:08, you will see "LG Docking (F7:08)" on your Bluetooth device.

3. Enter the PIN code.
    PIN code : 0000

> **❗ Note**
>
> Depending on the Bluetooth device type, some devices do not require a PIN code.

4. When this unit successfully is connected with your Bluetooth device, "Bluetooth" LED stop blinking.

> **❗ Note**
>
> *   Depending on the Bluetooth device type, some device have a different pairing way.
> *   Try pairing procedure if your device name is not in the device list.

5. Listen to music.
    To play a music stored on your Bluetooth device, refer to your Bluetooth device's user guide. According to your Bluetooth device's volume level, the volume level of Bluetooth will be adjusted.

> **❗ Note**
>
> *   Sound from the main set can be distorted if you raise the volume of Bluetooth device up to two-thirds or more.
> *   When you use the Bluetooth function, adjust the volume of a Bluetooth device to a proper level to listen to.

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Operating

Note

- After your device is connected to the unit via Bluetooth, the function switches to BT automatically.
- After searching for this unit on your Bluetooth device, connect the Bluetooth device to this unit. Then play music you want.
- The sound may be interrupted when the connection interfered by the other electronic wave.
- You cannot control the Bluetooth device with this unit.
- Pairing is limited one Bluetooth device per one unit and multi-pairing is not supported.
- Although the distance between your Bluetooth and the set is less than 10m, there are obstacles between both, your Bluetooth device cannot be connected.
- Depending on the type of the device, you may not be able to use the Bluetooth function.
- You can enjoy wireless system using phone, MP3, Notebook, etc..
- When not connected the Bluetooth, " ✳ " LED blinks in the display window.
- The Electrical malfunction due to devices using same frequency such as Medical equipment, Microwaves or wireless LAN devices, the connection will be disconnected.
- When someone stands and interrupts communication between Bluetooth device and the player, the connection will be disconnected.
- If the gotten away of the distance between Bluetooth and the unit, the sound quality is lower and lower. The connection will be disconnected when the space between the Bluetooth and the unit gets out of the operating range of Bluetooth.
- The device with Bluetooth wireless technology is disconnected, if you turn off the main unit or put the device away from the main unit more than 10m.
- If the Bluetooth device is disconnected, you should connect the Bluetooth device to your unit.

Using Bluetooth App

About LG Bluetooth Remote App

LG Bluetooth Remote app bring a suite of new features to your unit. To enjoy more features, you are recommended to download and install free " LG Bluetooth Remote". BT app will be available in the software version Ver 2.3.3 (or late).

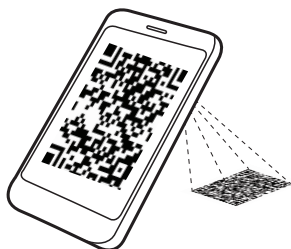### Install " LG Bluetooth Remote App" through "Google Android Market"

1. Tap the Google Android Market (Google Play Store) icon .
2. In the search bar, type in the "LG Bluetooth Remote" and search it.
3. In the search result list, find and tap "LG Bluetooth Remote" to start downloading Bluetooth app.
4. Tap an icon for installation.
5. Tap an icon for downloading.

Note

- Make sure that your powered Bluetooth device is connected to the Internet.
- Make sure that your powered Bluetooth device is equipped with " Google Android Market(Google Play Store)".
- If you want to get more information, refer to explanation of BT app in "Google Android Market (Google Play Store)".

Install " LG Bluetooth Remote App" by using QR code

1. Install " LG Bluetooth Remote app" by using QR code. Use the scanning software to scan the QR code.

2. Tap an icon for installation.

3. Tap an icon for downloading.

(Android OS)

> ### ⚠ Note
>
> - Make sure that your powered Bluetooth device is connected to the Internet.
> - Make sure that your powered Bluetooth device has a scanning software application. If you don't have one, download one from "Google Android Market (Google Play Store)".

Activate Bluetooth with LG Bluetooth Remote App

LG Bluetooth Remote app helps to connect your powered Bluetooth device to the unit.

1. Tap LG Bluetooth Remote app icon on your device's screen to open LG Bluetooth Remote app application, and go to the main menu.

2. Tap [Setting] and select the unit you want.

3. If you want to get more information to operate, tap [Setting] and [Help].

2

Operating

Troubleshooting

Problem	Correction
No Power.	• Plug in the power cord. • Check the condition by operating other electronic devices.
No sound.	• Press ⊟**FUNCTION** or ⏻ **/ F** and then check the selected function. • Check whether operating system of your device is ver 4.1(or later). • Check whether your device is supported by AOA 2.0. • Adjust volume of your portable device.
The remote control does not work properly.	• Operate the remote control within about 23 ft (7 m). • Remove the obstacle in the path of the remote control and the unit. • Replace the battery with new one.
Android device does not work.	Connect your Android device to the unit correctly.
Bluetooth pairing does not work well.	• Switch Bluetooth off and on again on your Bluetooth device, then try pairing again. • Be sure your Bluetooth device is on. • Remove the obstacle in the path of the Bluetooth device and the unit. • Depending on the type of the Bluetooth device or surrounding environment, your device may not be paired with the unit. • When your Bluetooth device have been already connected with other unit, disconnect the Bluetooth connection first. Then you can control your unit through BT app. • Depending on the Bluetooth device, BT app may work restrictively not work. • The connection you've made may be disconnected if you select other application or change the setting of the connected device via BT app. In such case, please check the connection status.

3

Troubleshooting

Trademarks and Licenses

Bluetooth®

Bluetooth® wireless technology is a system which allows radio contact between electronic devices within a max. range of 10 meters.

Connecting individual devices under *Bluetooth*® wireless technology does not incur any charges. A mobile phone with *Bluetooth*® wireless technology can be operated via the Cascade if the connection was made via *Bluetooth*® wireless technology.

The *Bluetooth*® word mark and logos are owned by the *Bluetooth*® SIG, Inc. and any use of such marks by LG Electronics is under license.

Other trademarks and trade names are those of their respective owners.

Handling the Unit

When Shipping the Unit

Please save the original shipping carton and packing materials. If you need to ship the unit, for maximum protection, re-pack the unit as it was originally packed at the factory.

Keeping the Exterior Surfaces Clean

Do not use volatile liquids such as insecticide spray near the unit.

Wiping with strong pressure may damage the surface.

Do not leave rubber or plastic products in contact with the unit for a long period of time.

Cleaning the Unit

To clean the player, use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution. Do not use strong solvents such as alcohol, benzine, or thinner, as these might damage the surface of the unit.

4

Appendix

Specifications

General	
AC adapter requirements	DC 12 V ⎓ 1.5 A, 100 -240 V, 50/ 60 Hz
Power consumption	18 W
Dimensions (W x H x D)	275 X 90 X 170 mm
Net Weight (Approx.)	1.3 kg
Operating temperature	5 °C to 35 °C (41 °F to 95 °F)
Operating humidity	5 % to 90 %

Inputs	
PORT. IN	500 mV (3.5 mm stereo jack)

USB	
USB Version	USB 1.1
Bus Power Supply	USB : DC 5 V ⎓ 1 A, Android device : DC 5 V ⎓ 1.5 A

Amplifier	
Output Power	5 W + 5 W (8 Ω at 1 kHz)
T.H.D	10 %

Speakers	
Type	built-in
Impedance Rated	8 Ω
Rated Input Power	5 W
Max. Input Power	10 W

- Design and specifications are subject to change without notice.

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Appendix

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