

BoomBocs STUDIO

User Manual

Hello there.

Congratulations on receiving your BoomBocs STUDIO wireless speaker. You must be extremely eager to get it up and running?! Well, the good news is it's incredibly simple to set up and use so you'll be blasting out the tunes in no time.

In this user manual, you'll find all the information to help you use your BoomBocs. Following these instructions will keep your BoomBocs in healthy condition, ensuring no damage occurs from misuse.

Anyway, let's get you started. If you do have any further questions, please don't hesitate to contact us.

Enjoy!



Jonny Williams
Founder of BoomBocs®



If you're experiencing any technical issues setting up your BoomBocs, please email us for immediate support: support@boombocs.com

Warranty Registration

This Limited Warranty is extended to the original end-user purchaser or the person receiving the product as a gift. It can be transferred provided the current owner furnishes the original proof of purchase from an authorised BoomBocs store or reseller.

Unless a different warranty period is stated at the time of purchase, and evidence of this can be proven, your BoomBocs product is covered for a period of **TWO** years from the date of retail purchase by the original end-use purchaser.

By registering your product, BoomBocs grants the current owner an extra year of warranty coverage, totalling **THREE** years from original purchase date.

To register, scan the QR code or
visit www.boombocs.com/pages/warranty-registration



For further assistance, please contact: support@boombocs.com

Many thanks.

Team BoomBocs

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1 Introduction

Please read the manual to get the best from your BoomBocs speaker.

1.1 Safety

- Please store this instruction manual for future reference.
- **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus [your BoomBocs] should not be exposed to dripping or splashing and objects filled with liquids, such as vases, should not be place on top of the apparatus.
- **WARNING:** The direct plug-in adapter is to be used as a removable device. When disconnected, the apparatus will remain operable.



This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

- **WARNING:** To reduce the risk of electric shock, do not remove cover [or back] as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

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

- **Correct disposal of this product** - this marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- **WARNING:** The battery [batteries or battery pack] should not be exposed to excessive heat such as sunshine, fire or the like.
- Do not use this product near water or moisture.
- Clean only with a dry cloth.
- Unplug this product from the wall outlet before cleaning.
- Place the unit on a solid surface.
- Do not put it in a closed bookcase or a cabinet that may keep air from flowing through its ventilation

openings. Do not install near any heat sources, such as radiators, heat registers, stoves or other appliances that produce heat.

- Protect the power cord from being walked on or pinched, particularly at plugs and the point where they exit from the product.
- Do not let objects or liquids enter the product.
- Opening or removing covers may expose you to dangerous voltages or other hazards.
- Use proper power sources.
- In the rare event you experience an error, unplug the power cord for 60 seconds and then plug it back in firmly.

12 Features

This manual describes how to use the BoomBocs STUDIO, an advanced but easy-to-use Wi-Fi connected audio system with the following features:

- **Bluetooth** technology to stream the music from your wireless device.
- **Spotify Connect**.

- **Deezer.**
- **Amazon Music.**
- **Internet radio** with access to thousands of stations from around the world through a broadband Internet connection.
- **Podcasts** can play thousands of Podcasts from around the world through a broadband Internet connection.
- **USB Player** via USB stick with MP3 music loaded [not for charging].
- **AUX In** via a 3.5mm stereo jack for external music sources such as MP3 players.

BoomBocs STUDIO also provides the following features:

- Clock with auto-update capability and dual independent alarms
- Sleep/alarm/snooze
- Multiple operating languages
- iOS and Android smart app.

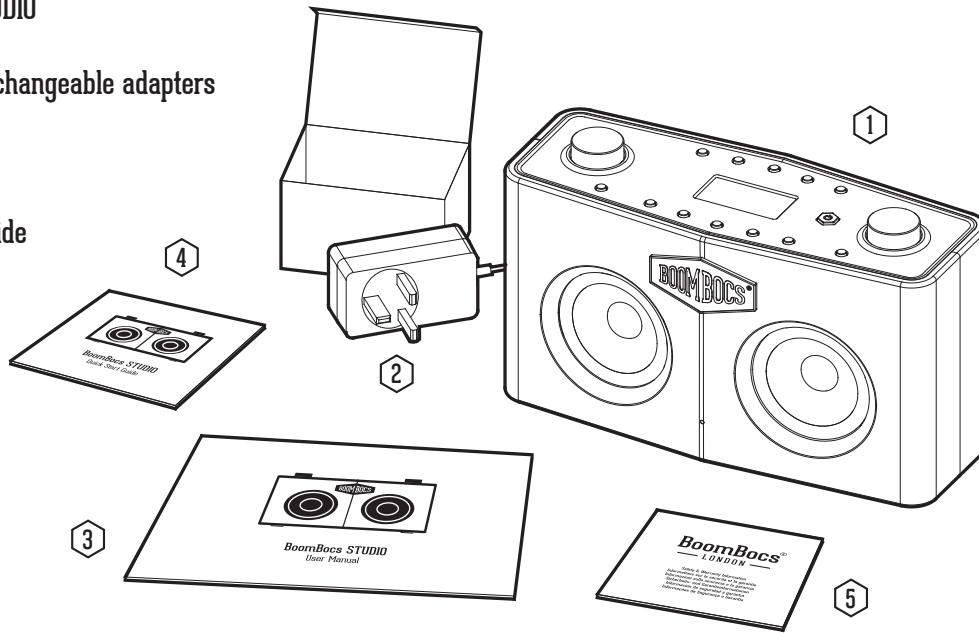
Download UNDOK from the Apple App Store or Google Play Store, or scan this QR code:



1.3 Carton Contents

After you unpack the box, you will find the following items:

- ① BoomBocs STUDIO
- ② Plug and interchangeable adapters
- ③ User Manual
- ④ Quick Start Guide
- ⑤ Warranty



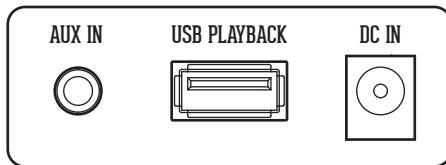
2 Rechargeable Battery

2.1 Charging

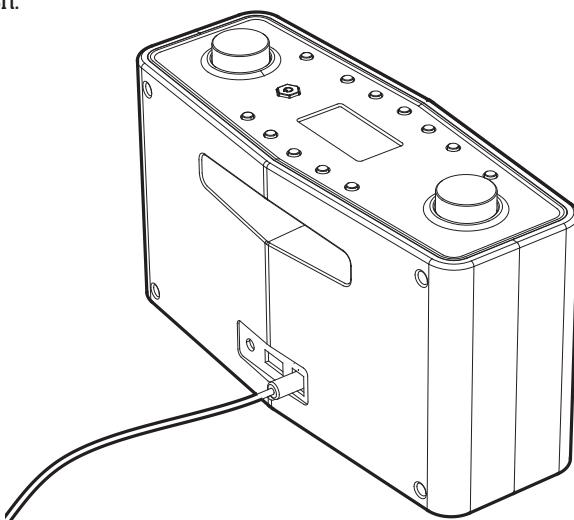
Your BoomBocs STUDIO contains a lithium ion battery and depending on the volume, is capable of providing 10-15 hours of playback depending on volume and contents.

If the battery is low, the LED on the front will flash.

To charge your battery, simply plug in the DC jack at the end of your plug-in adapter and switch on the mains electricity.



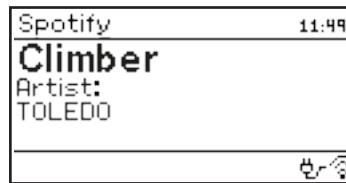
To ensure your battery is kept healthy, only use the mains charger provided with the unit at the time of purchase.



Battery status is shown in the bottom-right of the display:



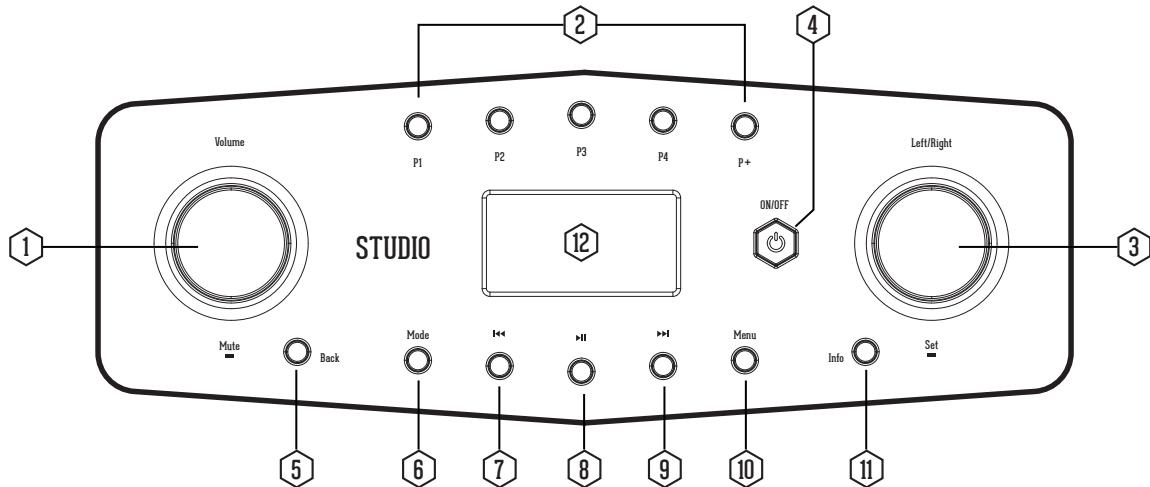
Your BoomBocs will indicate it is charging by showing a battery with moving bars on the bottom-right of its display. A fixed 'plug' icon will show when fully charged.



To keep your battery healthy, turn off and unplug your charger when the battery is full.

3 Controls, Connectors and LEDs

3.1 Main Controls



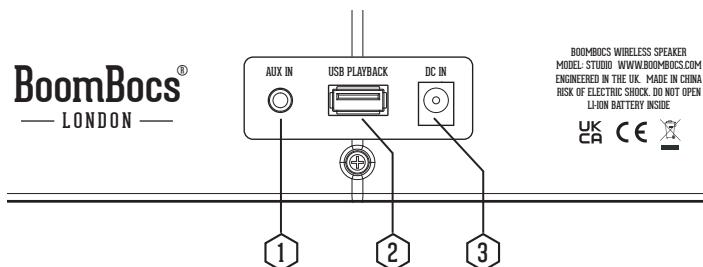
- 1** **Volume +** :Clockwise is volume up; **Volume -** :Counterclockwise is volume down; **Mute**: A short press will mute the volume. A short press will unmute the volume.
- 2** **P1/P2/P3/P4** :Press briefly to select a preset or press and hold to store a tuned station/source. Press **P +** to enter the list for saving stations.

- ③ **Left/Right/Set:** Multi-function navigation dial and Select button
- ④ **ON/OFF**
- ⑤ **Back:** Press to return to the previous menu.
- ⑥ **Mode:** Press to toggle between different modes.
- ⑦ **◀◀** Press to select previous track or rewind.
- ⑧ **▶▶** Press once while playing music to pause the song. Press once while paused to resume playing.
- ⑨ **▶▶** Press to select next track or fast-forward.
- ⑩ **Menu:** Press to enter the menu.
- ⑪ **Info:** Shuffle between the shown information.
- ⑫ **2.4" high contrast display.**

3.2 Connectors

As shown below, your BoomBocs has the following connectors [left to right]:

- ① AUX IN
- ② USB PLAYBACK
- ③ DC IN



3.3 LEDs

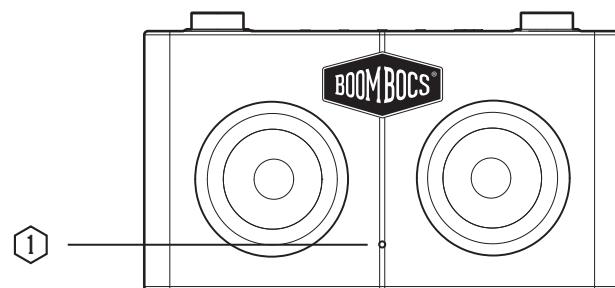
- ① BoomBocs STUDIO features an intelligent LED on its front to let you know what status it is in:

Solid = Connected and playing

Slow pulsing = Connecting

Flashing = Low battery

Off = Standby mode.



4 Startup and Setup

For Internet-connected modes such as Internet Radio, you will need a broadband Internet connection.

4.1 Setup Wizard

When BoomBocs STUDIO is started for the first time, it runs through a setup wizard to configure settings for date/time and network. Once this has finished, the system is ready to use in most modes. If you skip the network setup, BoomBocs STUDIO will operate in Bluetooth, Aux in and USB player modes only.



Note: To change these settings later, select **Menu** > **System settings**.

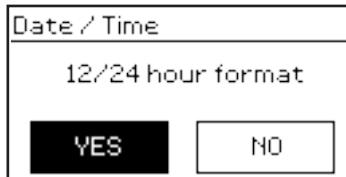
To run the setup wizard again, select **Menu** > **System settings** > **Setup wizard**.

Select **Yes** to start the setup wizard.

If you choose **No**, the next screen asks if you would like to run the wizard next time BoomBocs STUDIO is started. The system then starts without configuring the time/date and network settings, and enters the Main Menu. Note: If power is removed while the wizard is in progress, the wizard will run again next time BoomBocs STUDIO is started.

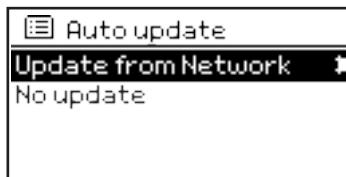
4.2 12/24 Hour Display

To change between 12 and 24 hour display, select **Set 12/24 hour** and then select your preference.



4.3 Time/Date

The time and date can be updated manually or automatically. With auto-update, the time and date are automatically synchronized with the internet clock. Auto-update is generally more accurate.



- ① Select **Update from Network** or **No update**.
- ② If you are updating from the network, set your time zone.

If your country uses daylight savings, the automatically updated time from the network may be wrong

by one hour. When daylight savings are in effect [during the winter], turn on the **Daylight savings** option to rectify this. BoomBocs STUDIO will auto-update from the selected source when time information is available.

Manual Set

If you set **No update**, the wizard now prompts you to set the time and date manually.

4.4 Network

BoomBocs STUDIO is compatible with all common network protocols and encryption methods, including Wi-Fi Protected Setup [WPS]. To connect the radio to your network, you need a Wi-Fi wireless router, together with password key if set. Select **WLAN region/country >Wi-Fi network [SSID]**, and then select a network from the list.

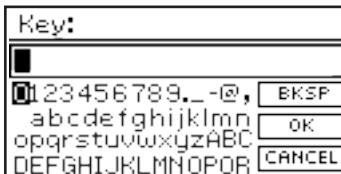


If the network is open [non-encrypted], the radio connects without any further ado: see **Completion**, p20.

Standard Encrypted Network

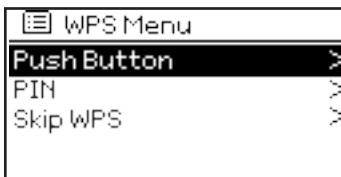
To enter the network's key [password], controls to move the cursor through the characters and select.

As each character is selected, the key is built up near the top of the display.



4.5 WPS Setup

WPS encrypted networks are identified by '[WPS]' at the start of the network name, and have two methods of connection. Select one and follow the prompts:



Push Button

BoomBocs STUDIO prompts you to press the connect button on the router. It then presses the select control.

Pin [code number]

BoomBocs STUDIO generates an 8-digit code number which you enter into the wireless router, access point.

Skip WPS

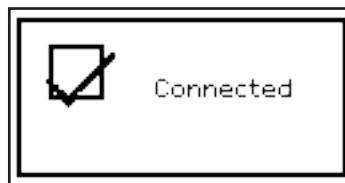
If WPS isn't used, select 'Skip WPS' and proceed to enter your WiFi password.

On Completion

BoomBocs STUDIO connects to the selected network.

If connecting fails, BoomBocs STUDIO returns to a previous screen to try again.

To exit the process use the **Back/Menu** button



4.6

Equaliser

Several preset EQ modes are available: also a user-defined setting [My EQ].

To choose an EQ setting, select **Menu** > **System settings** > **Equaliser**.

You can then choose from a variety of preset modes and My EQ.

The last option 'My EQ profile setup' allows you to define your own settings for the 'My EQ' option, with

custom bass and treble settings.



4.7 Network

The device remembers the last four wireless networks it was connected to and automatically tries to connect to whichever one of them it can find. You can see the list of registered networks through **Menu** > **System settings** > **Network** > **Network profile**.

From here you can delete unwanted networks by turning and pressing **Select**, then forming **delete** with **"Yes."** There are also other options for viewing and manually altering network settings from **Menu** > **System settings** > **Network** > [for example setting up a wired network].

Users experienced with networking may find these options useful for diagnosing and fixing network problems.

4.8 Language

The default language is English. To change, select **Menu** > **System settings** > **Language** > then select your language.

5 Bluetooth

Select Menu > Bluetooth. This will power on the Bluetooth. Turn the volume up about 1/4 to start. Also turn up the volume on the source device [the device you are streaming from].

- ① Turn on the Bluetooth on your enabled device.
- ② Select Bluetooth device name “Boombocs Studio” when it appears on your device’s screen to initiate searching.
- ③ Once paired, you can control your music’s volume, skip tracks and play/pause via your chosen device [i.e. phone].
- ④ You should not have to pair your device again.

6 Spotify

Use your phone, tablet or computer as a remote control for Spotify. Go to [spotify.com/connect](https://www.spotify.com/connect) to learn how.

The Spotify Software is subject to third party license found here:
<https://www.spotify.com/connect/third-party-licenses>.



7 Deezer

Open the UNDOK app and select one of these streaming sources. You must have a paid subscription to access these services. Enter your streaming account's user name and password in the UNDOK app.

8 Amazon Music

Open the UNDOK app and select one of these streaming sources. You must have a paid subscription to access these services. Enter your streaming account's user name and password in the UNDOK app.

9 Internet Radio

BoomBocs STUDIO can play thousands of radio stations and Podcasts from around the world though a broadband Internet connection.

When you select Internet Radio mode, BoomBocs STUDIO recalls the latest station list from the Internet, organised into different categories like country, most popular and genre. Once you select a station, BoomBocs STUDIO connects directly to that station.



Note: The station list menu is provided from the Internet Radio Portal, so it is only accessible when BoomBocs STUDIO is connected to the Internet.

Station lists and submenus may change from time to time.

9.1 Search

You can also search through Internet broadcasts for stations with particular keywords in their title. To search, select **Menu** > **Search**. Enter a keyword by selecting characters in turn, then **OK**. The search entry screens are similar in operation to the Wi-Fi passphrase entry screen.



Select a broadcast from the list.

9.2 Location

To select an Internet broadcast from a particular location, select **Menu** > **Location**.

Select a continent from the menu and a list of countries available is presented, select a country and the available Internet radio stations are presented.

Choose a radio station from the list to tune to that station.



9.3 Popular

Presents a list of the most popular Internet stations from around the world.

9.4 Discover

Allows you to select from a list of stations defined by either their origin [Country], Genre [style of music] or Language.

9.5 Now Playing Information

While the stream is playing, the screen shows its name and description. If artist and track information is available, this is also shown.

To view further information, press **Info**. Each time you press **Info**, another set of information is displayed.

10

Podcasts

BoomBocs STUDIO can play thousands of Podcasts and Listen-again services from around the world through a broadband Internet connection.

To enter Podcasts mode, press the **Mode** button and use the Left/Right dial to choose **Podcasts** mode

- Last listened
- Podcast list
- System settings
- Main menu

11

USB Player

To play audio from a USB mass-storage device such as a USB Flash stick or USB hard drive, Select **Menu** > **USB Player**.

12

AUX In

AUX In mode plays audio from an external source such as an MP3 player. To play audio with Aux In mode:

- ① Connect the external audio source to the AUX In 3.5mm stereo socket.
- ② Either press **Mode** until the display shows AUX In or select **AUX** from the **Main** menu.
- ③ Adjust the volume of the radio [and, if necessary, the audio source device] as required.

13 Alarms and Sleep

As well as a clock/calendar, there are two versatile wake-up alarms with snooze facility, and a sleep function to turn the system off after a set period. Each alarm can be set to start in a particular mode.

13.1 Alarms

To open the alarm menu, press **Menu** > **Main** menu > **Alarms**. Select the alarm number [1 or 2], then configure the following parameters:

Enable: Off, Daily, Once, Weekends or Weekdays

Time,

Mode: Buzzer, Internet Radio

Preset: Last listened or 1 - 20.

Volume: 0 - max.

To activate the new settings, scroll down and select **Save**. The screen shows active alarms with an icon at the bottom left.

13.2 Sleep

To open the Sleep menu, press **Menu** > **Main menu** > **Sleep**.

Choose between: **Sleep OFF**, **15 MINS**, **30 MINS**, **45 MINS** or **60 MINS**.

Once you select a sleep period, the system returns to the main menu.

Press **Menu** to return to the **Now playing** screen.

14

Software Upgrades and Factory Reset

14.1

Software Upgrades

From time to time, the device may make software upgrades available with bug fixes and/or additional features. You can either check for updates manually or set the device to check automatically [this is the default]. If the device detects that a newer software is available, it asks if you want to go ahead with an

update. If you agree, the new software is then downloaded and installed.

CAUTION: Before starting a software upgrade, ensure the device is plugged into a stable mains power connection. Disconnecting power during a software update may permanently damage the unit.

To turn automatic checking on or off, select **Menu** > **System settings** > **Software update** > **Auto-check** setting.

14.2 Factory Reset

A factory reset resets all user settings to default values, so time/date, network configuration and presets are lost.

To perform a factory reset, select **Menu** > **System settings** > **Factory reset** Proceed > **Yes**.

15 Troubleshooting and Error Messages

15.1 Error Messages

Message	Description	Example
Failed to connect.	Correct key entered, but the router rejects request.	MAC filtering enabled on router.
Format error.	Cannot recognize file format - independent of network.	Received .wma, but found that the stream wasn't WMA when trying to decode.
Network error.	Problem past router -incorrect data being received from network.	Data obtained from server is unreadable.
Network not ready.	Problem with connection to router.	Router switched off.
Network timeout.	Problem past router - no response being received from network	Streaming IR station and suddenly station becomes unavailable.
Update failed.	Software upgrade failed.	

Problem	Cause	Solution
Cannot connect to server.	Network down.	Check that network is working between a computer and the router.
	Router restricts access to listed MAC addresses.	Obtain the BoomBocs STUDIO address from Menu > System settings > Network > View settings and add to router list.
		Note: BoomBocs STUDIO has separate MAC addresses for wired and wireless networks: only the current network adaptor method address is displayed, but the other address can be obtained by changing the first pair of digits between '00' [wireless] and '02' [wired].
	Insufficient Wi-Fi signal strength.	Check distance to router; see if a computer can connect to the network in this location.

Problem	Cause	Solution
Cannot connect to server.	Unknown encryption method.	Change encryption method on router. BoomBocs STUDIO supports WEP, WPA and WPA2.
	Unusual network configuration.	Setup network manually through Menu > System settings > Network > Manual settings.
	Firewall preventing access.	Check the following ports are open on the router: UDP and TCP ports 80 and 123; DNS port 53.
Cannot connect to Internet.	Internet connection down.	Check that Internet is working for a computer connected to the same network.
		Check the following ports are open: UDP and TCP ports 80 and 123; DNS port 53.
		Some Internet radio stations may require additional ports to be opened.

Problem	Cause	Solution
Cannot play particular Internet radio station.	Station not broadcasting, overloaded or insufficient bandwidth.	Try other stations: try listening on computer via Internet radio portal website: try later.
	Station broadcasting using unknown codec.	
	Link out of date.	

16 Technical Specifications

Model

BoomBocs STUDIO

Connectivity

Bluetooth: 5.0 with A2DP / AVRCP

Physical Connectivity

USB Type-A

3.5mm Auxiliary Jack

Physical Interface

2.4" LCD Display

Buttons / Rotaries

Speakers

2 x 5W, full range Aluminium drivers

Power Supply

Adapter input: 100-240V @ 50Hz/60Hz

Adaptor output: 9V / 1.5A

Battery

Type: Li-ion

Run time: 10-15 hours

Measurements

260[L] x 148[H] x 100mm[D]

1.43Kg [unboxed]

375[L] x 190[H] x 145mm[D]

2.17Kg [boxed]

Specifications are subject to change without notice.

17 EU Compliance Statement

BoomBocs hereby declares that this wireless device is in compliance with Directive 2014/53/EU.

18 Contact BoomBocs

If you do need to contact us regarding your BoomBocs product[s] or for general enquiries, please do not hesitate to do so.

The easiest way to get in touch is via e-mail:

Support & Servicing
support@boombocs.com

General Enquiries
hello@boombocs.com

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Boombocs®
— LONDON —