

RÖTH & MYERS

BOSK WiFi Speaker

User Guide



Please read this user guide carefully before operating your speaker.



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Revision History

Issue	Date	Description of Changes
1.0	May 11, 2018	Initial release for mass production

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Before Use

About this Guide

This guide is intended for users of RÖTH & MYERS BOSK speaker. The guide provides user-related information.

Introduction of the Document

This guide explains how to install and correctly use RÖTH & MYERS BOSK speaker. Product figures and screen images used in this guide may be changed without notice for quality improvement.

Explanation of Symbol or Word

The following are symbols used in this guide. Information presented with these symbols must be observed for the correct use of your speaker.



Caution!

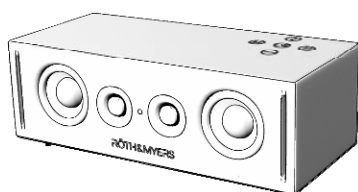
This mark warns of a situation in which light injury or product damage may occur if the instructions are not followed.

NOTE

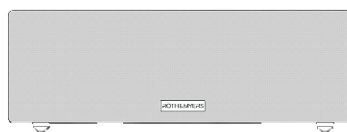
A note provides additional explanation, emphasis on important information or reference for related information, which is required for the correct use of the speaker.

Product Release

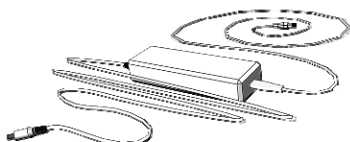
Carefully unpack the product and ensure that the following parts are present:



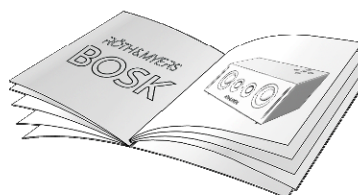
BOSK Speaker



Front Grille



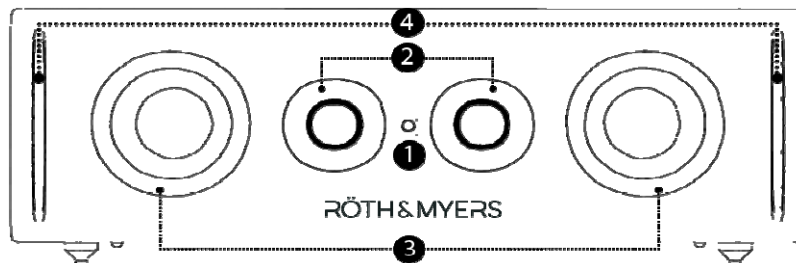
Power Adapter



User Guide

Chapter 1. Introduction

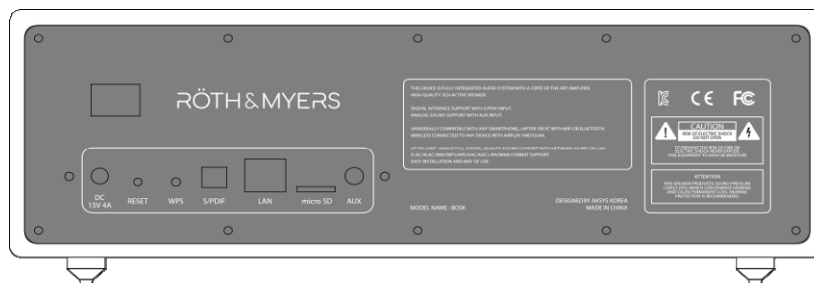
1.1 Front Design



Item	Description
①	Status LED: Display the status & connection mode of speaker WiFi (White) ⇒ microSD (Red) ⇒ BT (Blue) ⇒ S/PDIF (Light Green) ⇒ AUX (Green) ⇒ LAN (White)
②	Tweeter : high sound speaker unit
③	Woofer : low sound speaker unit
④	Duct Hole for affluent low sound reinforcement

Table 1: Front-Side Function Description

1.2 Rear Design & Interface



Item	Description
Power / DC Input	Power On/Off Switch / 15V/4A
RESET	Speaker Reset Switch
WPS	WPS or WiFi Pairing Button
S/PDIF	S/PDIF - Optical Type
LAN	RJ45 (10/100 Auto-Sensing) – Wired LAN Port
microSD	microSD Card Socket (Supports FAT32 formatted Micro-SDHC types)
AUX	Stereo 3.5mm Audio Jack Socket

Table 2: Interface Description

1.3 Touching Button Layout



Item	Description
	Preset Button
	Mode Selection Button . WiFi ⇒ microSD ¹⁾ ⇒ BT ⇒ S/PDIF ⇒ AUX ⇒ LAN . Voice Prompt Guide supported ¹⁾ Selected if microSD card is inserted
	Volume Up Button
	Volume Down Button
	Play / Pause Button

Table 3: Touching Button Description

1.4 Product Specification

Item	Description
Size	322 mm (W) x 144 mm (L) x 117 mm (H)
Weight	3 Kg
Case Material	Cabinet: Zebra Wood / Rear Panel: Metal
FOOT	Aluminum Spike
Application	R&M Player for Android & iOS
Power Adapter	Input : AC 100 - 240V, Output : 15V 4A
Tweeter	0.7 Inch x 2, 15W, 6 Ω
Woofers	3.0 Inch x 2, 20W, 4 Ω
WiFi	IEEE 802.11 b/g/n, 2.4GHz
Bluetooth	Bluetooth V4.0, Support BDR, EDR & BLE
Audio Format	Hi-Fi Audio Support Up To 192KHz/24Bit FLAC/ALAC/ WAV/MP3/APE//AAC/AAC+/WMA
Streaming Service / Protocol	TuneIn, iHeartRadio, Spotify, TIDAL, Napster / / DLNA, WiFi AirPlay

Table 4: Product Specification Description

Chapter 2. SETUP

2.1 Setup WiFi for the first time

NOTE

Before using BOSK Speaker, please download an application program for BOSK Speaker 'R&M Player' in 'Google Play' or 'Apple App Store'. After installing to your mobile device, you can connect to your BOSK Speaker.

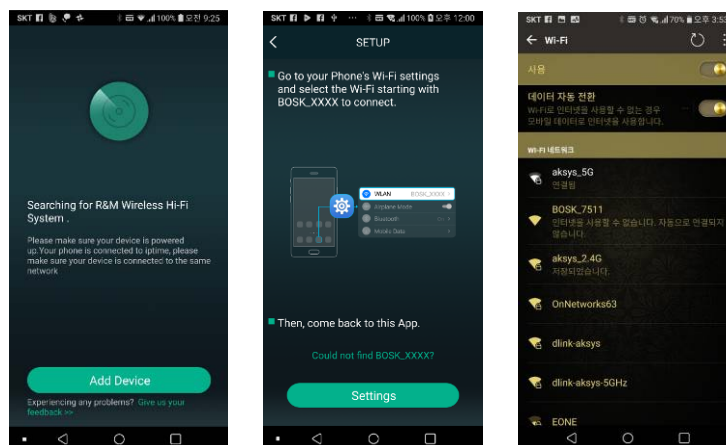
To use WiFi, make sure your mobile device is connected to the same WiFi network that BOSK Speaker uses. With provided password for network, the WiFi connection and use will be much quicker and easier by following the on-screen instructions in R&M App.

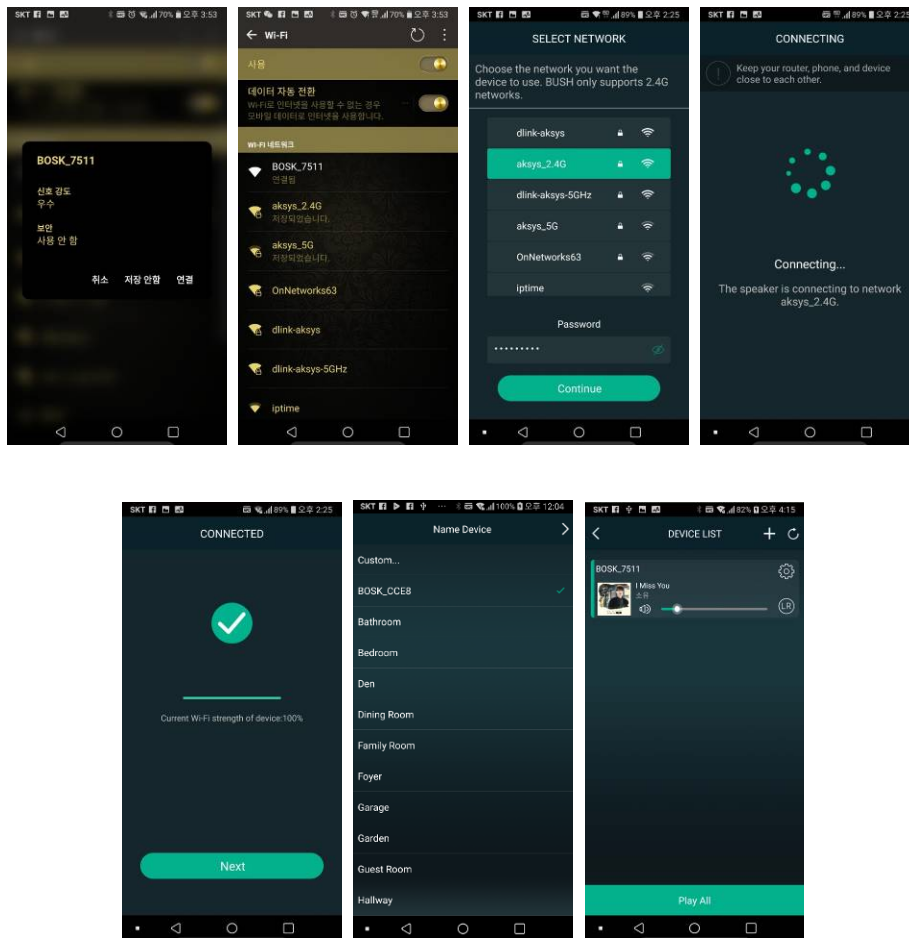
After the initial connecting, the BOSK Speaker will remember the WiFi network and whenever it enters WiFi mode, it will automatically attempt to connect to your device. If your speaker is disconnected or unable to connect normally, please repeat the steps below or try the content of troubleshooting in the appendix.

NOTE

If you are currently using a dual-band (2.4GHz/5GHz) WiFi router, be sure to connect your mobile device with your BOSK Speaker using the 2.4GHz band.

- When the power switch on the back panel is turned on, the front status LED will flash white and the speaker will enter to WiFi standby mode (basic mode).
- Start R&M App on your mobile device and press 'Add Device' button.
- From 'SETUP' screen of R&M App, press 'Settings' at the bottom. Select the Speaker starting with BOSK_XXXX from the 'WiFi' menu of mobile device. After connecting mobile device directly with the BOSK Speaker, get out from 'WiFi' menu in mobile device.
- On the 'SELECT NETWORK' screen of R&M App, select 2.4GHz network to which you want to connect the BOSK Speaker. Enter the password and then press the 'Continue' button on the bottom. Now, BOSK Speaker will attempt to connect to 2.4GHz network by using the password you entered.
- The 'CONNECTING' screen in R&M App will display the progress of connection between the Speaker and WiFi network. Once successfully connected, the 'CONNECTED' screen will be displayed and voice prompt will be heard.
- Pressing the 'Next' button at the bottom of the screen, the 'Name Device' menu allows you to select a speaker name from the list, or you can create the speaker name by using 'Customize'. You can also leave original name 'BOSK_XXXX' by pressing the next arrow (>) at the top of the screen.





2.2 Connecting to a wired LAN

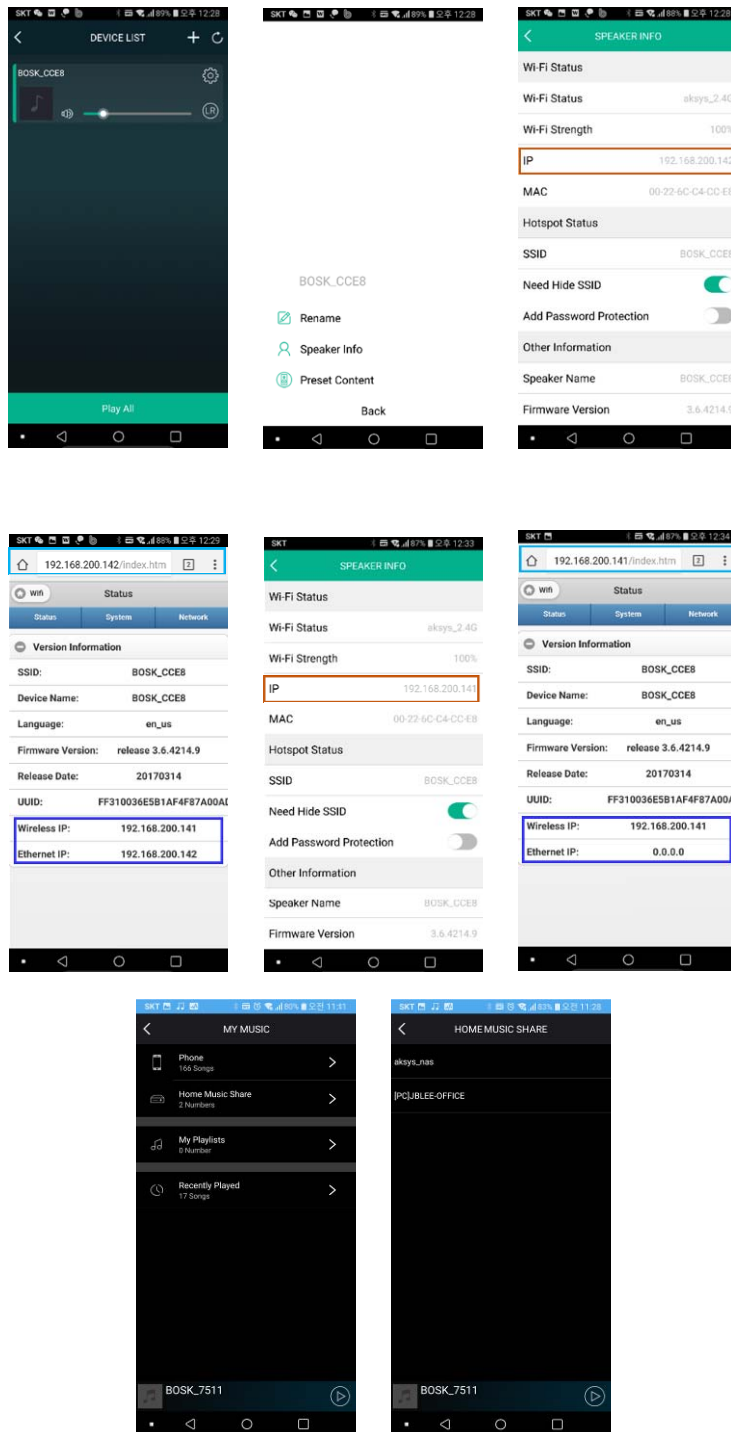
To use the BOSK Speaker connected to a wired LAN, you must connect Ethernet cables to the same wired and wireless router of network to which your mobile device and R&M APP are connected. The IP allocation mode of the wired and wireless router must be set to DHCP mode.

From the 'DEVICE LIST', click the Setting Icon  in the connected speaker menu, you can see IP address from 'Speaker Info'. When you connect to the BOSK web server via a web browser using the same IP address as the 'Speaker Info', you can check via wired and wireless IP allocation whether or not the BOSK Speaker is connected to the network through wireless LAN or wired & wireless LAN. The status LED will be displayed in white as the WiFi mode.

As the BOSK Speaker supports DLNA (Home Network) functionality, you can play shared music files from a device (PC, smartphone, NAS, etc.) on the same network through wired and wireless router by using music share function in R&M App (Home Music Share).

NOTE

R&M App can be used only when your BOSK speaker is connected to your mobile device via **wireless WiFi** or **wired LAN connection**.

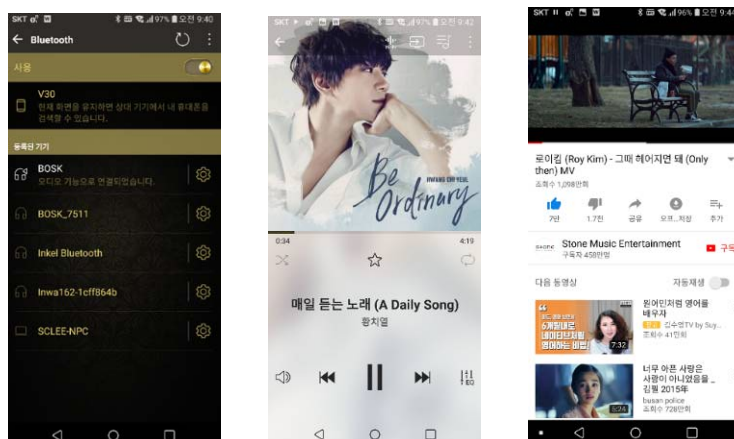


2.3 Connecting to Bluetooth

To connect your BOSK Speaker with Bluetooth, select speaker name shown as BOSK_XXXX in the Bluetooth connection menu of your mobile device, as you would do with any other Bluetooth devices. When attempting a Bluetooth connection, the status LED will flash blue and remain illuminated when connected.

NOTE

R&M App cannot be used when connected with Bluetooth mode because BOSK speaker will be activated as 'Audio Device' of your mobile device. Therefore, Music Player of mobile device or audio support when internet web site connection can be supported.

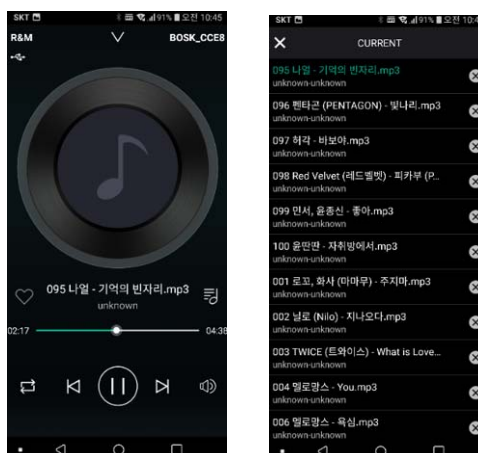


2.4 microSD and other connection modes

- When you connect the microSD memory card with the sound source to the microSD slot on the back of the BOSK Speaker, the mode will automatically be switched to microSD mode and the stored sound source will be played displaying the status LED in red. By pressing the 'Playlist' icon next to the title of the song currently played, the playlist saved in microSD memory card will be displayed.

NOTE

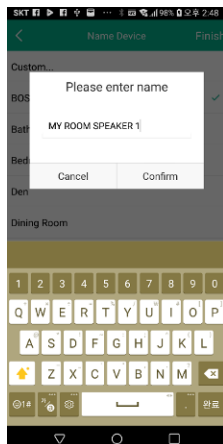
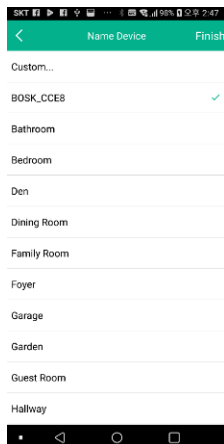
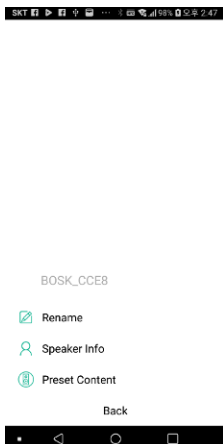
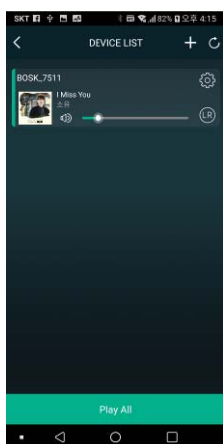
For microSD mode, the **FAT32 formatted micro SDHC type** memory card is supported and please save the sound source that you want to play to the root directory.



- For the optical input mode (S/PDIF mode), the Smart TV, PC or mobile device connected via the optical type S/PDIF cable to BOSK speaker are not supported by the R&M App as it only performs audio functions. The status LED of Optical input mode will be displayed in light green.
- In Audio Input mode (AUX mode), the R&M App function is also not supported because it performs audio functions on the device connected via the audio cable and the status LED will be displayed in green.

2.5 Name the device

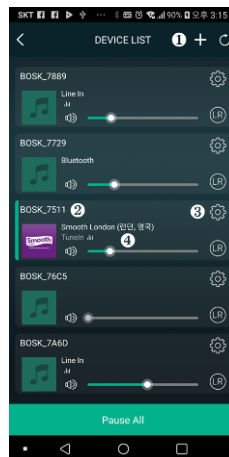
After registering your BOSK speaker, you can change the speaker name by pressing the setting icon  from the 'DEVICE LIST' and 'Rename'. You can select it from the predefined list or edit it by pressing 'Customize'.



Chapter 3. R&M Player Main Menu

3.1 DEVICE LIST Display

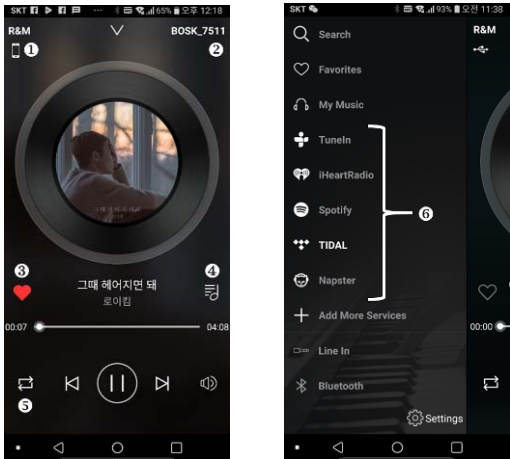
After connecting BOSK speaker at first time and whenever R&M APP is executed, 'DEVICE LIST' Menu will be displayed as follows while showing BOSK speakers connected currently and can be connected from the same network.



Item	Description
①	Icon to add new BOSK speaker
②	Active speaker connected to your mobile device
③	Setting Menu for Speaker Info, Rename, Preset, etc.
④	Current Connection Mode or Streaming Service

3.2 Music Player and Main Menu Display

By pressing active BOSK speaker tab from 'DEVICE LIST', 'Music Player' Menu will be displayed as follows.

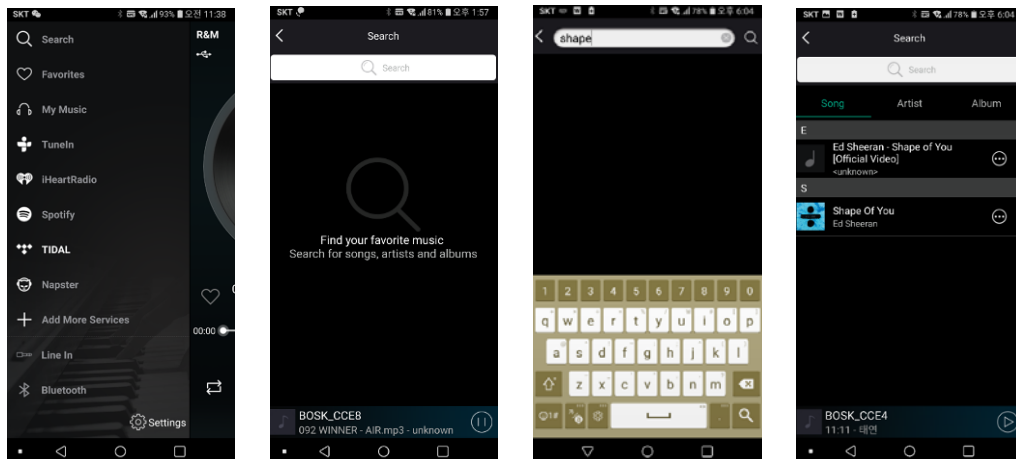


Item	Description
1	Current Connection Mode or Streaming Service
	WiFi Mode (Phone Music / Streaming Service)
	microSD Mode
	Bluetooth Mode
	S/PDIF – Optical Type Mode
	3.5mm Stereo Audio Mode
2	Selected Speaker Name
3	Setting Icon for Favorites
4	Playing List Icon
5	Repeated Play Mode Icon
6	Internet Music Streaming Service ^{N1)} ^{N1)} Streaming Service available are different by countries.

Chapter 4. R&M Player Sub-Menu

4.1 Search

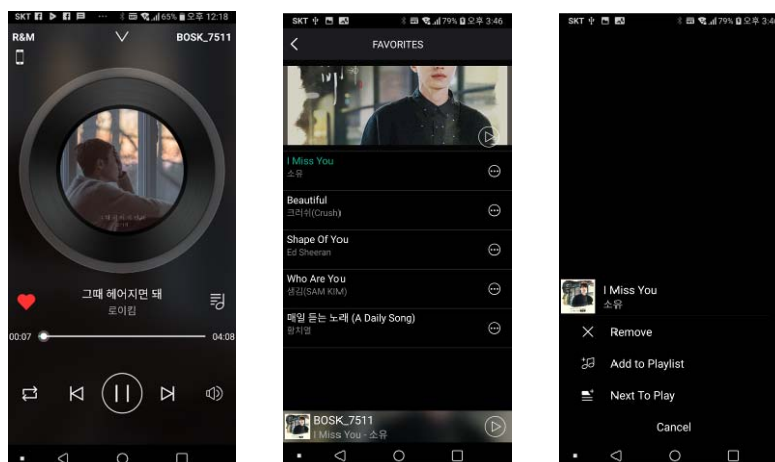
Song, artist and album title can be searched from your mobile device using 'Search' menu. For example, input 'Shape' then, all related information will be displayed. If you press 'Setting' (three dots) Icon in the right side of the song title, you can add it to the 'Favorites', 'Playlist' or 'Next to Play' list.



4.2 Favorites

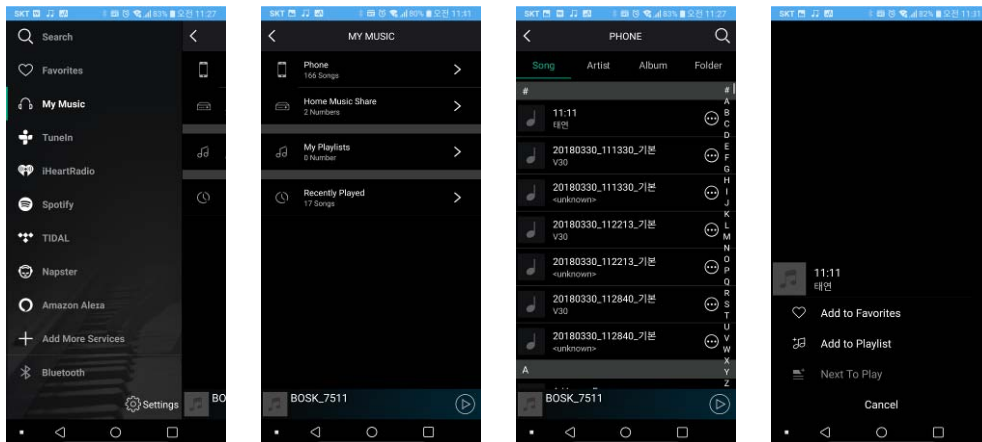
'Favorites' Menu allows you to replay your favorite music easily from your mobile device later. Song, artist and album title can be searched from your mobile device using 'Search' menu. For example, input 'Shape' then, all related information will be displayed. If you press 'Setting' (three dots) Icon in the right side of the song title, you can add it to the 'Favorites', 'Playlist' or 'Next to Play' list.

- Press 'Favorites' (heart) Icon from 'Music Player' Display to add the song playing currently to 'Favorites' list.
- Press 'Setting' (three dots) Icon in the right side of the song title from 'Search' list add it to the 'Favorites' list.



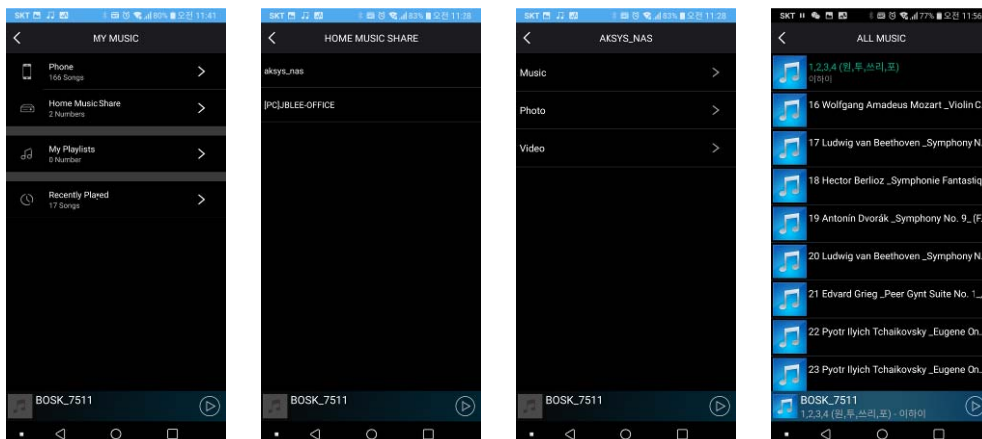
4.3 My Music

Songs stored in your mobile device can be played by R&M Player using 'My Music' > 'Phone' or 'iPhone' Menu.



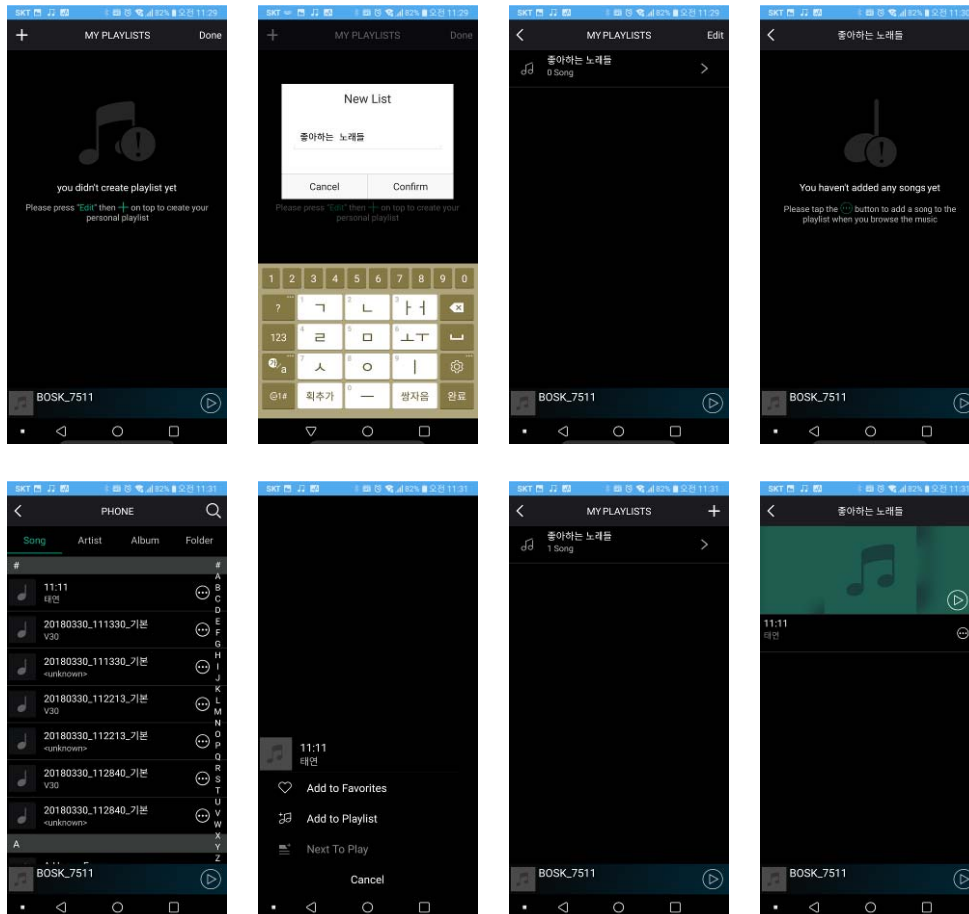
4.4 Home Music Share

Songs shared from a device (PC, smartphone, NAS, etc.) on the same network through wired and wireless router can be played by R&M Player using 'My Music' → 'Home Music Share' Menu.



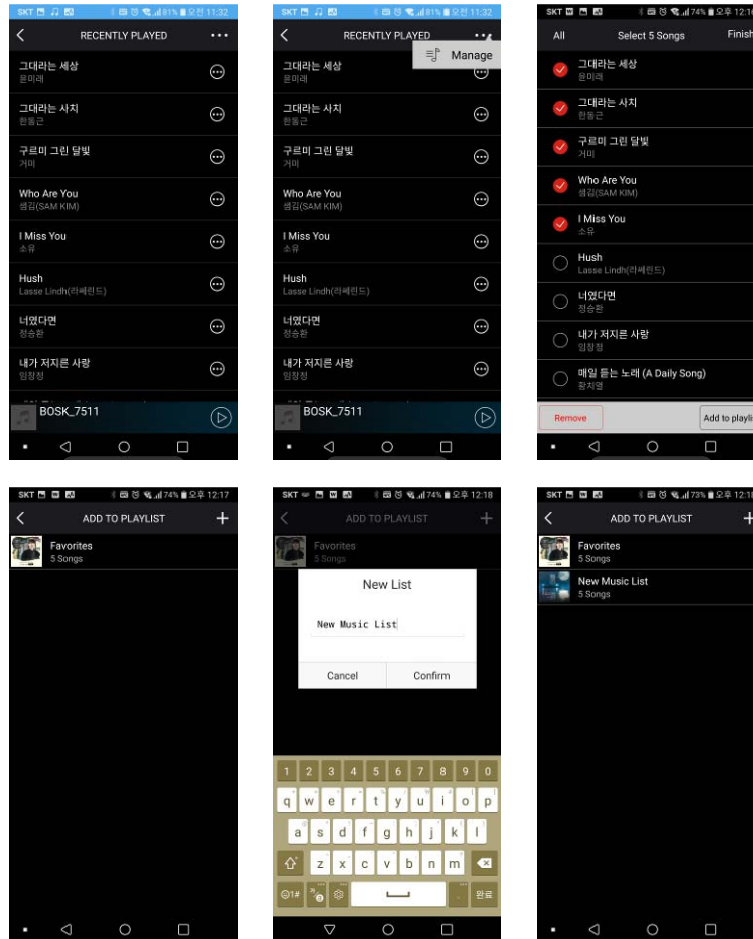
4.5 My Playlists

You can make your own playlist using 'My Playlists' Menu. If you press 'Setting'  Icon in the right side of the song title from music list in your mobile device, you can add it to the 'My Playlists'.



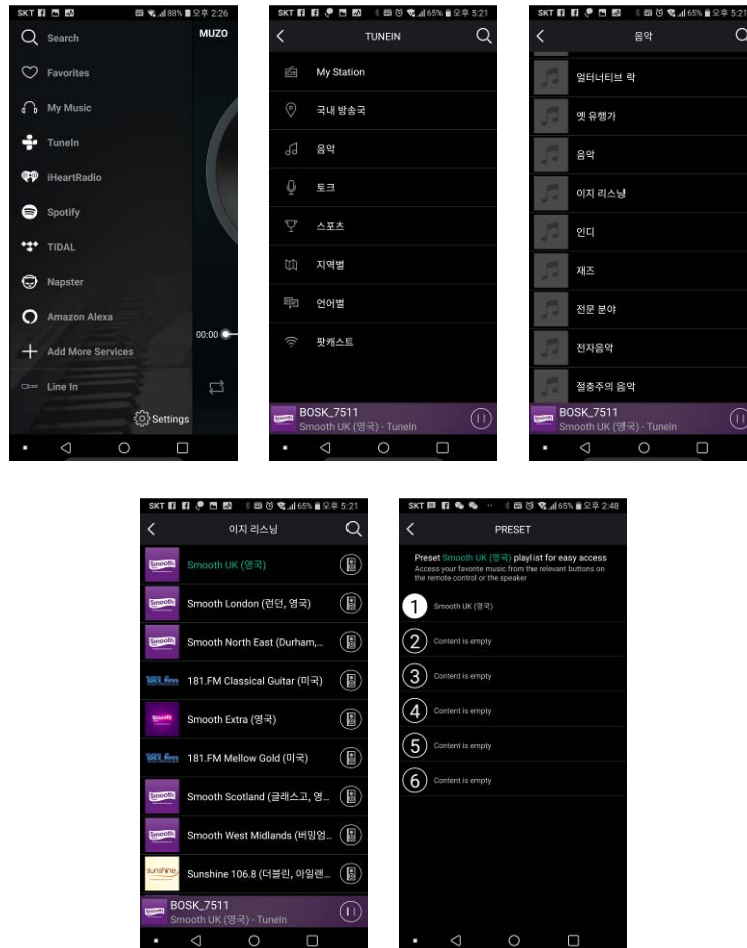
4.6 Recently Played

You can make 'My Playlists' by selecting songs you want to add from 'Recently Played' Menu.



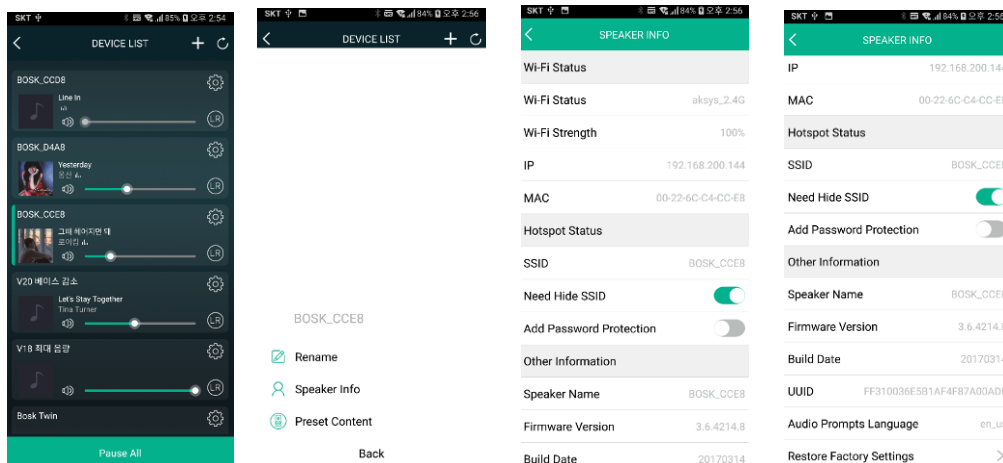
4.7 Cloud Music Preset

You can listen to your preset online cloud music playlist anytime once you press the corresponding key on the right side of each music channel list as follows.



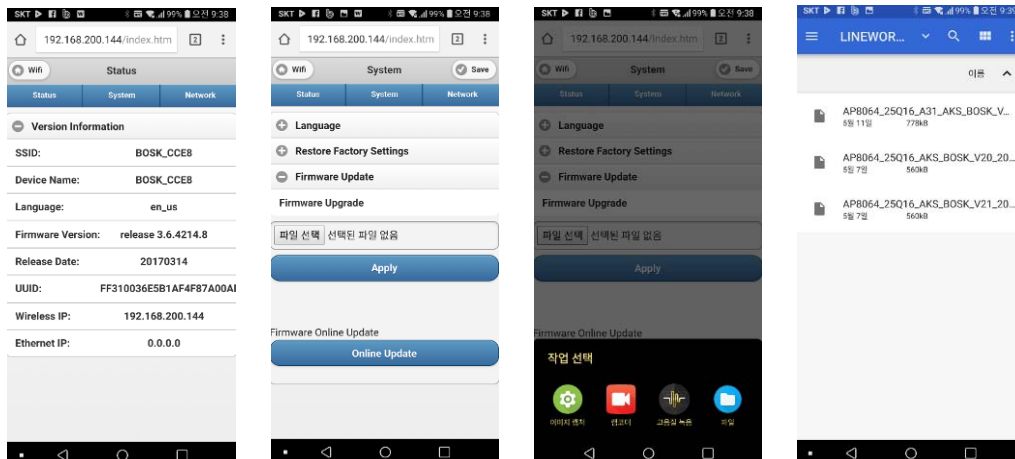
4.8 SPEAKER INFO

If you press 'Setting'  Icon from 'DEVICE LIST' and 'Speaker Info' sub-Menu, some detailed information of your speaker (WiFi Connection Status, Wireless/Wired Network Information, Firmware Version, etc.) will be displayed. In addition, 'Restore Factory Settings' command can be executed without pressing 'RESET' button in the rear side of your speaker.



4.9 Web Server & Firmware Upgrade

If you press connect to BOSK Web Server using web browser with the IP address got from 4.8 SPEAKER INFO, additional detailed information of your speaker (WiFi Connection Status, Wireless/Wired Network Information, Firmware Version, etc.) will be displayed. Also, 'Firmware Upgrade' function can be executed.



Chapter 5. FAQ (Frequently Asked Questions)

5.1 R&M App

Q1) Can I play music only with R&M App?

A1) R&M App is only available when your BOSK speakers are connected to your mobile device via a wireless WiFi or wired LAN connection. When connected with Bluetooth, the BOSK Speaker performs audio functions for all applications of the mobile device, so the R&M App function is not supported. You have to use the audio supporting function of device's own music player or internet streaming services.

5.2 WiFi connocetion

Q1) I'm trying to connect my BOSK Speaker to WiFi network, but it's not visible on the network.

A1) First, make sure your speaker is on WiFi mode, also make sure your mobile device is connected to a 2.4GHz wireless WiFi band and follow the connection procedure in section 2.1.

5.3 Function Failure and Power

Q1) It works well and then suddenly stops working.

A1) Turn off the power and turn it on again. If the symptom persists, press the RESET button on the back for more than 10 seconds to reset the settings.

Q2) I've plugged in, but the speaker is not working.

A2) Turn on power using the BOSK Speaker rear power button.

5.4 How to operate and Interface

Q1) How do I change the mode?

A1) Change is possible by touching M button on the top of the BOSK Speaker, and by using the R&M App. Please refer to Section 1.1 and 1.3 for LED status and Mode Select button.

Q2) How do I use an optical cable?

A2) Use an Optical Cable for S/PDIF on devices with standard S/PDIF connections, such as TV or Set-Up Box.

Q3) I'm trying to make Bluetooth connection, but I can't see the BOSK Speaker in my device's connectable list.

A3) It will not be available if Bluetooth is already connected to another device. Please disconnect the existing device and try to reconnect.

5.5 Lossless Sound

Q1) What is the sound source of 24 bits / 192KHz

A1) This refers to a higher quality digital sound source than a 16bit, 44.1KHz CD sound source, and you can enjoy the details and sound that are closer to original sound through the BOSK Speaker.

Q2) What kinds of Lossless Sound sources do you have?

A2) The most commonly used sound sources are in the format 'FLAC' and the file size is typically over 100Mbyte.

Appendix A: Useful Information

A.1 Regulatory Information

A.1.1 [EU] European Union Declarations of Conformity

AKSys Co., Ltd. declares that the equipment specified in this document bearing the “CE” mark conforms to the European Union Radio and Telecommunications Terminal Equipment Directive (R&TTE 1999/5/EC), including the Electromagnetic Compatibility Directive (2004/108/EC) and Low Voltage Directive (2006/95/EC).

Copies of these Declarations of Conformity (DoCs) can be obtained by contacting your local sales representative.

A.1.2 [USA/CSA] FCC/IC Interference 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 /RSS-GEN of the FCC/IC 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.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

The use of this device in a system operating either partially or completely outdoors may require the user to obtain a license for the system according to the Canadian regulations.

CAUTION: Any changes or modifications in construction of this device, which are not expressly approved by the party responsible for compliance, could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator&your body.

A.2 Important Safety Information

To prevent unexpected danger or damage please read this information before installing or attempting to repair you phone. Warning and Caution information is provided to alert the consumer of known dangers:



Warning: To reduce the possibility of electric shock, do not expose your phone to high humidity areas, such as a bathroom, swimming area, etc.

Warning

1. Only trained and qualified service personnel should install, replace or service the phone.
2. Do not spill liquid water on the phone. If so, disconnect the phone immediately and call the service center as this may result in fire or electric shock.
3. If you see or smell smoke during use, disconnect the phone and call the service center immediately.
4. If the power adapter is used, do not touch the plug with wet hands. This may result in a fire, an electric shock or equipment damage.
5. Do not use the phone during a thunderstorm. A lightning strike may result in fire, severe electrical or acoustic shock.
6. Do not use the power adapter if the power cord or wall outlet is damaged. This may result in fire or an electric shock.

Caution

1. Ensure that children do not pull on phone cords. This may injure children or result in equipment damage.
2. The earpiece houses a magnetic device that may attract pins or small metal objects. Keep the handset clear of such objects and check before use.
3. Avoid placing the phone in an area that is excessively dusty, damp or subject to vibration.
4. Choose a site for the phone that is well ventilated and dry.
5. Do not plug multiple plug-packs into one power outlet. This may result in the plug overheating and may result in a fire or plug pack failure.
6. Do not put heavy things on the phone.
7. Do not drop or throw the phone.
8. Static electricity discharge will damage electronic components.
9. Keep out of direct sunlight and away from heat.
10. No user-serviceable parts are inside. Do not insert a screwdriver or any metal objects into the phone. This may cause electric shock or damage the equipment and will render the warranty void.
11. Clean the phone with a soft, dry cloth only. Do not use volatile liquids such as petrol, alcohol, or acetone as this may cause a fire or result in discoloration or damage to plastics. Do not clean with wax or silicon products as these may enter the equipment and cause operation to become unstable.

A.3 Disposal of your old appliance



1. When the crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2012/19/EU.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office waste disposal service or the shop where you purchased the product.

The contents of this document are subject to revision without notice due to continued progress in methodology design and manufacturing. AKSys Co., Ltd. shall have no liability for any error or damage of any kind resulting from the use of this document.



Posted in Korea

www.aksys.co.kr
AKSys Co., Ltd. 2017

Customer information

Model: FY1504000

Input: 100-240V~50/60Hz,2.0A

Output: 15VDC, 4A

Safety hints

The appliance is suitable for moderate climates only.

The maximum ambient temperature during use of the appliance must not exceed 40°C.

Do not drop the product or submit it to impact

Do not place the product in an area exposed to heat, direct sunlight, dampness, moisture, rain, vibration, shock, dust or sand.

The appliance does not require much attention. If you want to clean it, please use only dry cloths or a brush.

Symbols used:



Indoor use only



Protection class II appliance (ONLY FOR CLASS II EQUIPMENT)



The appliance shall not be disposed together with the normal waste. It must be recycled.

Manufacturer

NAME: Shenzhen fuyuandian power co.,Ltd

Note:

1. Use the product in the environment with the temperature between -20°C and 40°C.

Simplified EU Declaration of Conformity

Hereby, **AKSys Co., Ltd.** declares that this **BOSK** product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. Full text of EU declaration of conformity is available at <https://www.aksys.co.kr/>

BT 3.0 RF Output :-2.37dBm BT 3.0 RF Output :3.76dBm BT 3.0 RF Output :9.98dBm

CE Marking



The test was performed according to the following European standards:

Draft ETSI EN 301 489-1 V2.2.0(2017-03);

Draft ETSI EN 301 489-17 V3.2.0 (2017-03);

ETSI EN 300 328 v2.1.1 (2016-11);

EN 62311:2008;

EN 60065: 2014;