



Instruction Manual

RS-350

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Safety Precautions

Warning

- Do not apply excessive force to the product, throw or give impact to the product using sharp objects.
- When used by children, a protector or a guardian should give guidance, and check if safety precautions are being followed. Use at the temperature range of 0°C - 40°C. Do not use in humid places.
- Use of product at temperatures under 0°C or in sealed places with high temperatures can lead to failure, corrosion, heat or ignition. Also, moisture or liquid can damage the surface and circuit. In the case of RS350, power is automatically turned off at high temperatures of 65°C and above, for safety.
 - Always use adapters that are certified by Rose. Other power adapters may cause malfunction or damage the product (degradation in performance).
 - Do not spill waste or liquid on the product. This may damage the parts and circuit. If the product gets wet, contact the nearest service center without turning on the power. However, free aftersale repair service is not available in this case.
 - Do not connect antennae or accessories, which are not certified by Rose, and do not place the product on objects that can cause jamming (steel desks, microwave, etc.).
 - The product is sensitive to radio waves, and its performance can be degraded when used near steel objects or electromagnetic devices.

Cautions

- The contents in the instruction manual are based on the default settings of RS350
- The pictures in the instruction manual will be different with program execution screen
- Instruction manual can be modified without notice to users for the improvement of RS350 performance.
- Features and additional services of RS350 can vary by software and service providers.
- Data (Pictures, Music, Video Files, etc.) other than the default bell and pictures can be deleted due to carelessness of users or due to product failure and its repair works. Rose is not liable for damages caused by data loss.
- Do not use chemical solutions (alcohols, thinners, solvents, etc.) or detergents to clean the product. Rubbing the product using chemical solutions may generate heat and cause fire. Use a soft cloth or a towel for cleaning.
- Do not dismantle, modify, or repair the product at user's will. Free aftersale services will not be available in such cases. If a malfunction occurs, please contact a designated service center for repair.
- Only the programs provided by the manufacturer can be used. If a randomly generated file or a user-deployed file is transferred to the product, it may cause an operation error or cause serious damage to the product. The side effect of these, Rose is not liable for any issues.
- If the touchscreen is damaged, do not touch as it may cause injuries. Call service center for help.

List of Components

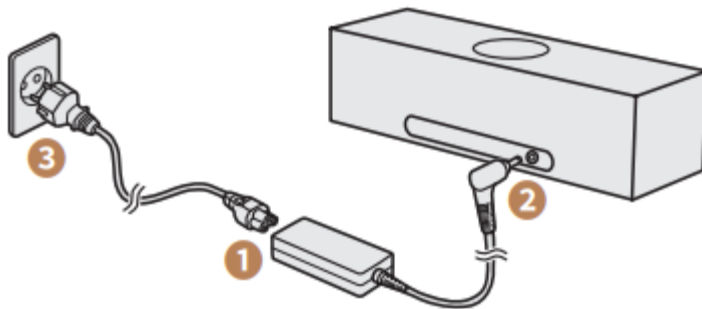
Main body, Adapter, Power Cord, Quick Guide, BT Remote controller, AAA battery 2ea

Inserting / Removing an External Memory Card

· An external memory card (micro SD) is supported. Micro SD Card capacity is compatible up to 128 GB.

Connecting Power Adapter

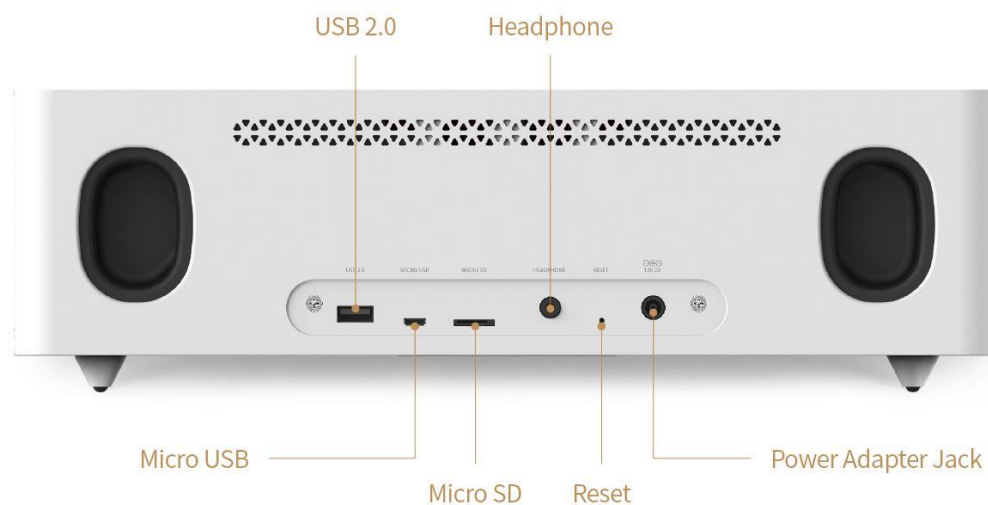
Please follow the procedure below.



Product Picture



Connection on the back of the product



USB 2.0	USB A terminal - Symbol for USB A terminal
MICRO USB	OTG terminal - Symbol for OTG terminal
MICRO SD	Micro SD card - Symbol for Micro SD card
HEADPHONE	Headphone output - Symbol for the output of the headphone
RESET	Reset - Symbol for reset hole
 12V 2A	Power Connection - Symbol for power connection

Power Button

- Standby mode on: Press power button for 1 second (Not only screen and sound, but also music, video, network would be paused)
- Standby mode off: Standby mode status ► Press button for 1 second (screen would be on and network be rebooted)
- Screen off: Press button for 2 seconds ► Touch 'screen off'(Only screen would be off and network still serviced)
- Screen on: Screen off status ► press power button for 1 second
- Power off: Press 2 seconds ► Touch 'Power off' (Touch outside of menu, it would be canceled)
- Reboot: Press 2 seconds ► Touch 'Reboot'
- Volume up: Touch volume up button
- Volume down: Touch volume down button

Mute

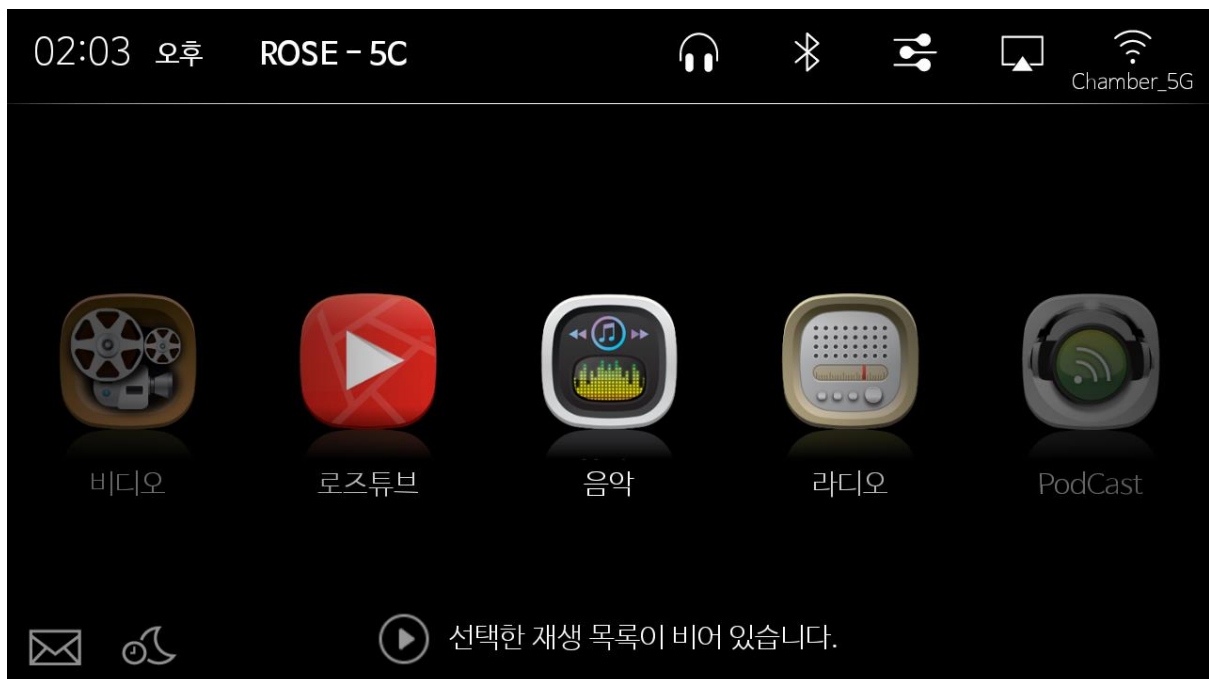
- Mute setting: Touch 'mute button'
- Mute setting clearing: Mute status ► Touch 'mute button'

Power and Touch button's LED status

- Screen on status: Power button LED is off, when you touch other buttons, it would be lightening in a moment
- Screen off status: Only Power button LED is off.
- Loading status: Only Power button LED is flickering
- Mute status: Touched LED is flickering and it would be off after mute setting clear.
- To prevent the input of unwanted touch motions and to save power, please turn off the screen when not in use.
- There can be a momentary screen failure if the product has not been terminated normally. This phenomenon is temporary and does not indicate a problem with the screen. Therefore, please use with confidence.

Home screen and Menu widget

Home screen



Top Bar: Displays the Time, Product ID (changeable), HeadSet, Bluetooth, Airplay, DLNA, WiFi connection

Menu Widget: Move on to other menus by the left/right scrolling

Playlist: Music currently playing,

Icon at the top of the screen

These icons indicate the device status, and can be confirmed in the alarm bar at the top end of the screen.

	· Headset is connected
	· Bluetooth device is connected, Move to BT setting when you touch.
	· DLNA is connected. Reboot service when you touch (White: activated / Gray: inactivated / Flickering : Connecting)
	· AirPlay service is connected. Reboot service when you touch (White: activated / Gray: inactivated / Flickering : Connecting)
	· WiFi is connected. Move to WiFi setting when you touch.

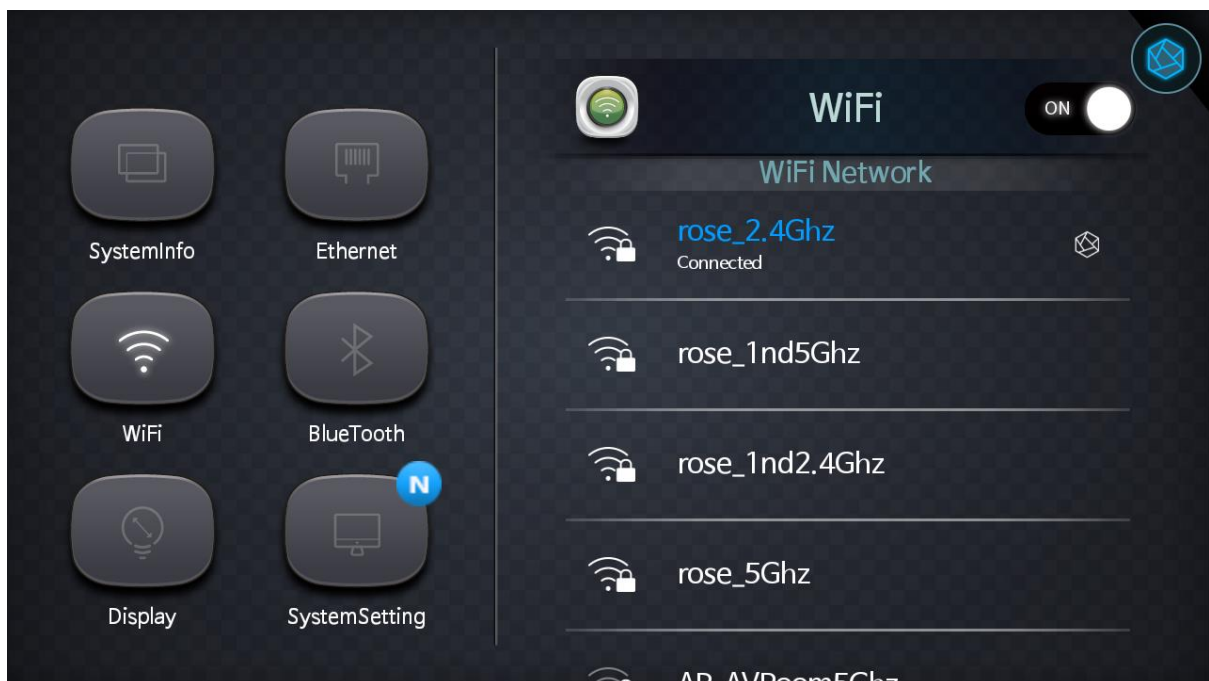
Icons to run in the Menu

- Home Button: Move to Home Screen while Application is running.
- Cancel Button: Go back to the previous screen.
- Application Home Button: Move to Application Home.

Internet Connection

WiFi Connection

Select Settings () or WiFi Icons () ► Move to WiFi Settings screen ► Activate WiFi switch
► Select searched device ► (Input PW) ► Connected



Connecting Mobile Devices

1. AirPlay Connection

For Android devices, go to Play Store (Google Play) and install Applications that support AirPlay to

begin connection.

- Select WiFi icon (📶) in Home Screen ► Connect WiFi ► AirPlay service becomes available for connection
- You can check whether the AirPlay service (📺) is running or not by the color of AirPlay icon at the top end of Home Screen. (Flickering in White: Booting / White: Connection available / Blue: Connected)
- For AirPlay service, RS350 and the device should be connected to the same AP (Wireless Network).
- Details for iTunes Connection can be found in the Detailed Manual at our website.

2. Connecting Rose Tube Dial

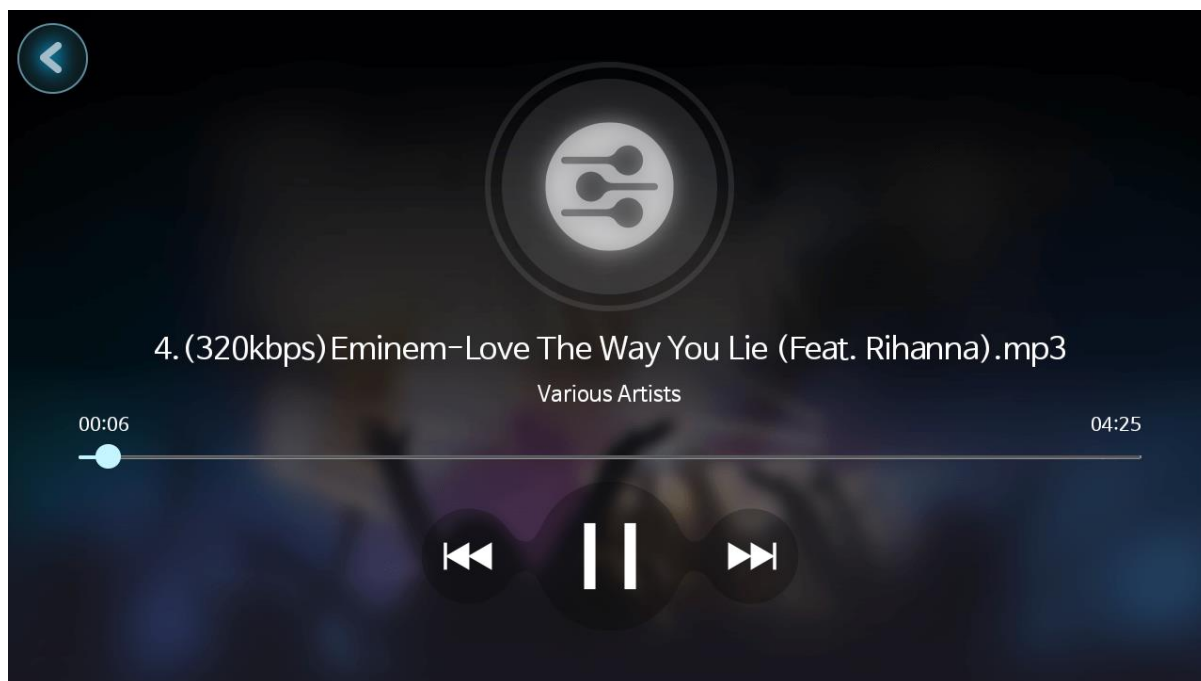
You can transfer YouTube playback screen from the Android phone to the RS350

- Select WiFi icon (📶) in the Home Screen ► Connect WiFi ► Select icon (📺) on the YouTube Screen (Android) ► Select device (Product ID) to send on your phone's screen ► Play the same YouTube Video on RS350
- RS350 and the equipment to run Rose Tube Dial should be connected to the same AP (wireless network). RS350 supports YouTube only.

3. DLNA Connection

- Execute DLNA supported App ► Select Device ► Connect to ROSE

RS350 and DLNA device should be connected to the same AP (wireless network). When DLNA is connected, the following screen appears and the music is played.



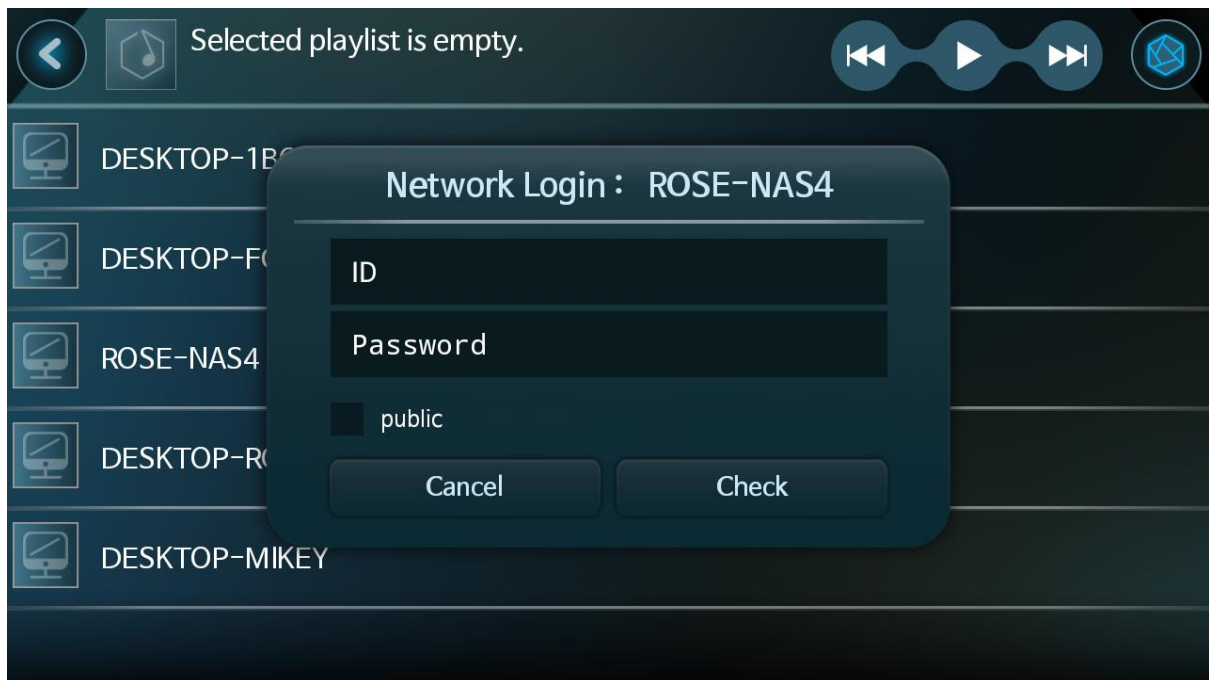
4. Connecting to Home Network

· RS350 can play files from PC and NAS.

Select Music (🎵) or Video (🎬) in Home Screen ► Select Folder Button ► Select Network Folder ► Select a device to connect to ► Input ID/PW ► (Check on public, in case the equipment has no PW) ► Confirm

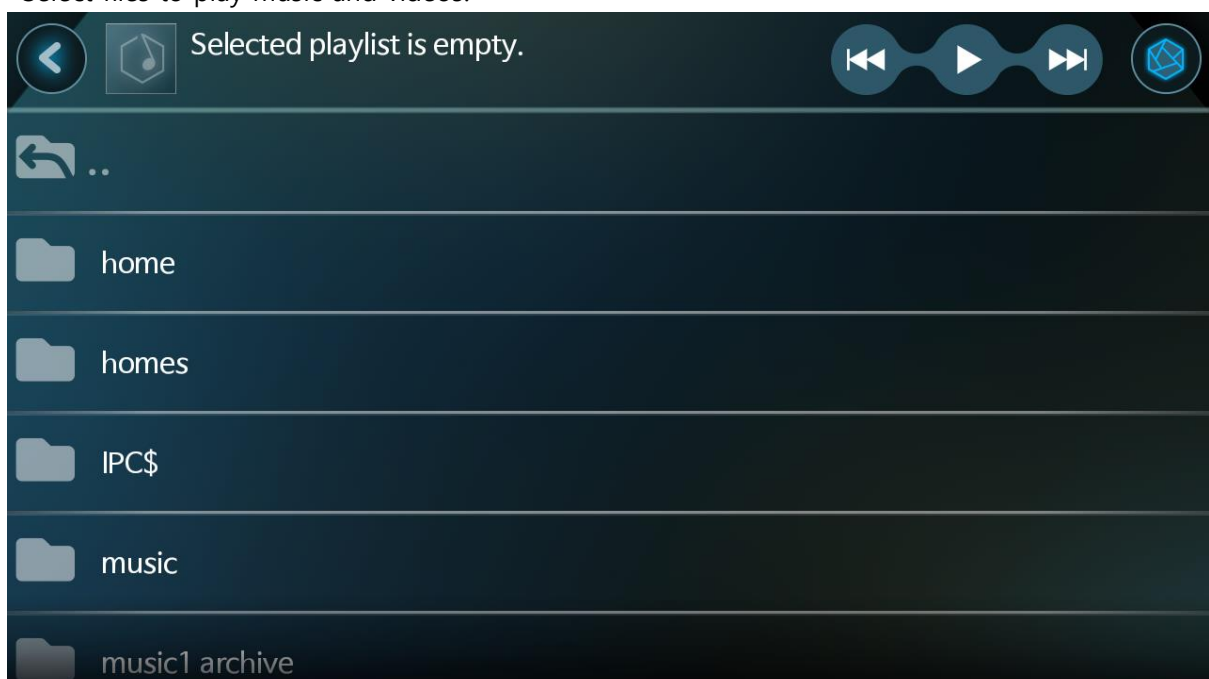
· RS350 and PC or NAS should be connected to the same AP (wireless network).

· In your PC, folders should be set as 'shared'.



· If the information you input is correct, folders and files of the shared device will appear as shown below.

· Select files to play music and videos.



5. Bluetooth Connection

Your smartphones can be connected with RS350 via Bluetooth.

Settings (⚙️) ► Bluetooth Setting ► Activate Bluetooth switch ► Select 'Register New Device' Button ► Standby for connection ► Select RS350 in the device list ► Pairing ► Done

A search mode is activated when entering the Bluetooth Activation and the Settings Screen.

When pairing is attempted, a pop-up for requesting pairing will appear on your mobile device. Press OK to start pairing.



When the pairing is complete, as shown in the picture below, your device is added to the 'List of Paired Devices'. Click on the device to attempt connection.



- When the connection is successfully done, the name of the device turns blue, and a message is shown on the left, stating the successful connection. When you click on a connected device, the connection is terminated and a message indicating disconnection appears.
- Bluetooth is a technology for personal area network, with the coverage of about 10 meters or less.



Product Specifications

Specification		Description
Main Chipset		Quad-core ARM 1.2Ghz
OS		Android 5.0 (Lollipop)
Memory	DRAM	1GB DDR3 (1866MHz Data Rate)
	Flash	8GB eMMC
Codec	Video	VC-1, H.264, H.265, MPEG 1,2,3,4
	Audio	MPEG 1 Layer 1/2/3,WMA,flac,ape
		Headphone Driver
		I2 INPUT CLASS-D 15W AUDIO AMP
Wireless	WiFi / BT Combo	WiFi : 802.11 a/b/g/n(2.4GHz/ 5GHz) 2T2R
		Bluetooth : 4.1(BDR/EDR) _ GFSK
Front	Button / Knob	Power / Volume +/-, Mute
	LED	Power LED :White (1ea), Touch LED: White (1ea))
	LCD&TSP	TFT LCD 5" 720 x 1280 pixels
		Capacitive Touch Screen
		Electrostatic-Type 129.4mm x 79.10mm
Speaker	OUTPUT	RMS : 15W
		MAX : 20W
		Reproduction Range : 20Hz - 20kHz Rated Reproduction Range : 40Hz - 20kHz
	Tweeter	Nominal IMP: 8ohm ±15%
		Nominal Power: 10W
		Frequency Range: F0 ~ 20KHz
		Sensitivity (5K,6K,8K,10kHz) 93dB ±3dB
		Voice Coil Diameter: Φ19.5 * 3.0H
	MidRange	Impedance: 8ohm ±15% 500Hz 1V input without baffle
		Rating Power: 10W, Max Power: 15W
		Size: 66.5 x 66.5mm (2.5inch)
		Resonance Frequency: 100Hz±20%Hz (1W 1M averaged of AT 500,1K,2K,5K)
	Woofer	Dual bipolar radiator (2ea)
Rear	DC Jack	2Ø (External Adaptor) x (1ea)
	Reset Switch	(1ea)
	Micro USB	OTG x (1ea)
	USB	USB-A Type x (1ea)
	Micro SD	Micro SD Slot x (1ea)

	Ear Phone	3.5Ø x (1ea)
Accessory	Adaptor	12V@ 2.00A
	Power Cord	1M x (1ea)
	User Guide	Simple Manual x (1ea)
	Remote Control	IR Receiver 38KHz x(1ea)
Battery		LI-Ion Battery AAA Type x(2ea)
Temperature	Operating	0℃ ~ 40℃
	Storage	-30℃ ~ 80℃
Frequency Range	TX	2 412 MHz ~ 2 472 MHz (802.11b/g/n 20 MHz BW) 2 402 MHz ~ 2 480 MHz (Bluetooth) 5 180 MHz ~ 5 240 MHz (802.11a/n 20 MHz BW) 5 745 MHz ~ 5 825 MHz (802.11a/n 20 MHz BW)
	RX	2 412 MHz ~ 2 472 MHz (802.11b/g/n 20 MHz BW) 2 402 MHz ~ 2 480 MHz (Bluetooth) 5 180 MHz ~ 5 240 MHz (802.11a/n 20 MHz BW) 5 745 MHz ~ 5 825 MHz (802.11a/n 20 MHz BW)
Type of Modulation		DSSS(802.11b), OFDM (802.11a/g/n 20 MHz BW), GFSK, $\pi/4$ DQPSK, 8DPSK (Bluetooth)
Channels		2 400 MHz Band 11 Ch (802.11b/g/n 20 MHz BW), 79 Ch (Bluetooth) 5 150 MHz Band 4 CH (802.11a/n 20 MHz BW) 5 725 MHz Band 5 CH (802.11a/n 20 MHz BW)
Output		2 400 MHz Band 10 mW/MHz: 802.11b/g/n 20 MHz BW 3 mW: Bluetooth, 5 150 MHz Band 2.5 mW/MHz: 802.11a/n 20 MHz BW 5 725 MHz Band 10 mW/MHz: 802.11a/n 20 MHz BW

Things to check before contacting a service center

- Please restart the product if touch does not work or if the screen freezes. If you press and hold the power key longer than 5 seconds, it will be forcibly rebooted.
- The product might be heated by the internal heat. However, this does not affect the life and performance. Please use with confidence.
- In some instances when the internet is connected, audio might break up due to weak signal, or excessive traffic. Wireless internet reception can also be delayed or disconnected. In such cases, move the location of product and try again.
- MP3 files, etc. are optimized according to the characteristics, design standard, and operator

demands. Therefore, even with the same content, there may be differences in volume, tone, etc. with other manufacturers and other models.

Quality Guaranteed.

Model Name: RS350

Date of Purchase: Year: 20__, Month: ____, Date: __ (1 Year from the Date of Purchase)

Place of Purchase: Firm Name

Telephone

- Name of equipment: Specific low power radio equipment (Wireless device for Radio Local Area Network with Wireless Access Systems)
- Name of the company that received the conformity assessment: CITECH Co. Ltd.
- Manufacturer / Country of manufacture: CITECK Co., Ltd. / Korea
- Identification code of authenticated person: SYH
- Authentication number: R-C-SYH-RS350

Rose Customer Service Center (A/S center)

Telephone: 1899-6042

Website: www.hifirose.com

It is possible to check the telephone number and location information of the nearest service center from the customer service center or homepage.

QR Code for Product Website (www.hifirose.com)

You can download the additional manuals for more information.

It is possible to download and use the software.

Through the newsletter, you can get information on Rose's latest news events and new products



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WARNING & SAFETY INFORMATION

FCC Information

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.

FCC notification to users

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 when the equipment is operated in a commercial environment. 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, the user is encouraged to try to correct the interference by consulting with a dealer or an experienced technician for technical assistance.

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

WARNING & SAFETY INFORMATION

The antenna(s) used for this device must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Bluetooth and WI-FI can transmitting simultaneously.