



# Instruction Manual

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***RS201***

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## **1. 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.
- 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 after sale 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 the product.
- Instruction manual can be modified without notice to users for the improvement of the product's performance.
- Features and additional services of the product 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 after sale 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. ROSE is not liable for any issues stemming from such case.
- If the touchscreen is damaged, do not touch as it may cause injuries. Call service center for help.
- Due to software update and service provider, it may change features and additional services.

## 2. List of Component



Product



Bluetooth  
Remote  
Controller



Adapter



Power Cord



Manual



Screw for SSD



Battery for Remote  
Controller



Screwdriver

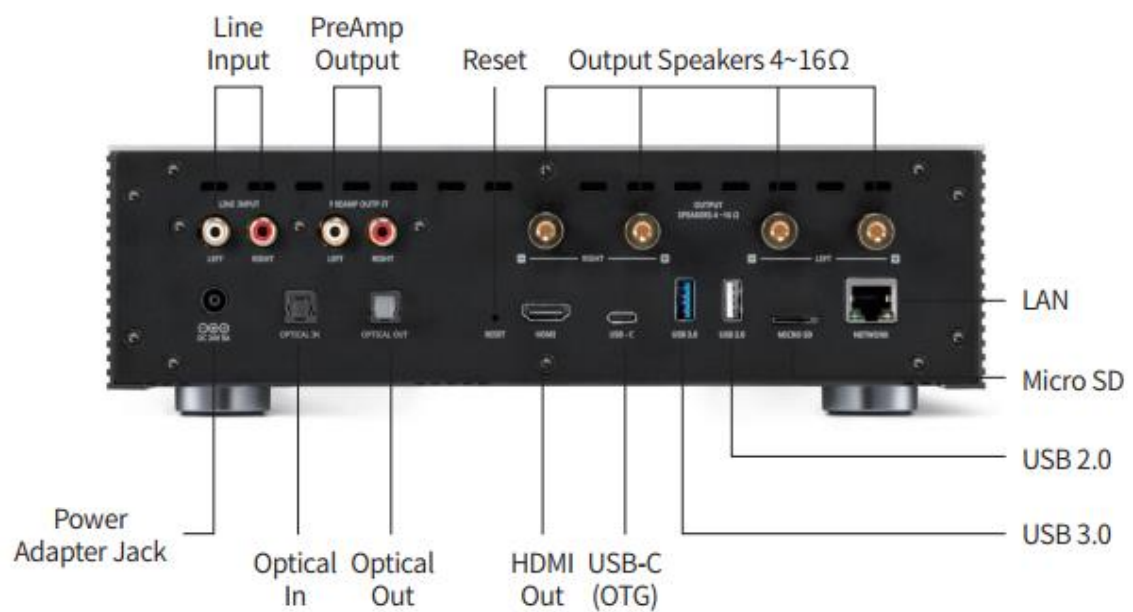
Main body, Adapter, Power Cord, Quick Guide, BT Remote controller, AAA battery 2ea  
Screw for SSD, Screwdriver

### 3. Button's Location and Function

#### Front Side

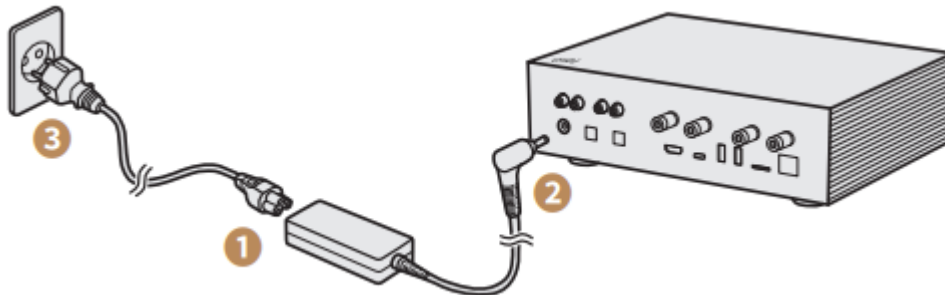


#### Rear Side






#### 4. Connection and Operation

- Please follow the procedure below.



##### Power Button





- Push power button in a second, ROSE would be power on and screen off.
- Push power button in 3 seconds, ROSE shows 'Screen off', 'Power off' and 'Reboot'.

	Screen Off	Playing sound on screen off status. When it is screen off, it will be screen on after push power button. ※ It is function which only turn off the screen.
	Power Off	Power is off.
	Reboot	ROSE is reboot.(Move to main screen)

※ To cancel, touch any screen other menu.

- Push power button in 5 seconds, it would be reboot.
- Power button LED status : Screen on (LED OFF)/ Screen off (LED ON)

##### Bluetooth Remote Controller Pairing

Push remote controller home(  ) and option button(  ) same time for 3 seconds ▶ BT Remote controller's red LED will light on ▶ Choose setting(  ) ▶ BT setting ▶ BT switch on (  ) ▶ Register new device ▶ Choose 'ROSE RCU' in the available list ▶ Listed paired device

※ Provided battery usage time is about 4 months but it depends on your usage patterns.

Due to battery discharging, it would be happen malfunction so change new battery.

※ To get to know button function and BT connection, please refer to the detail manual.

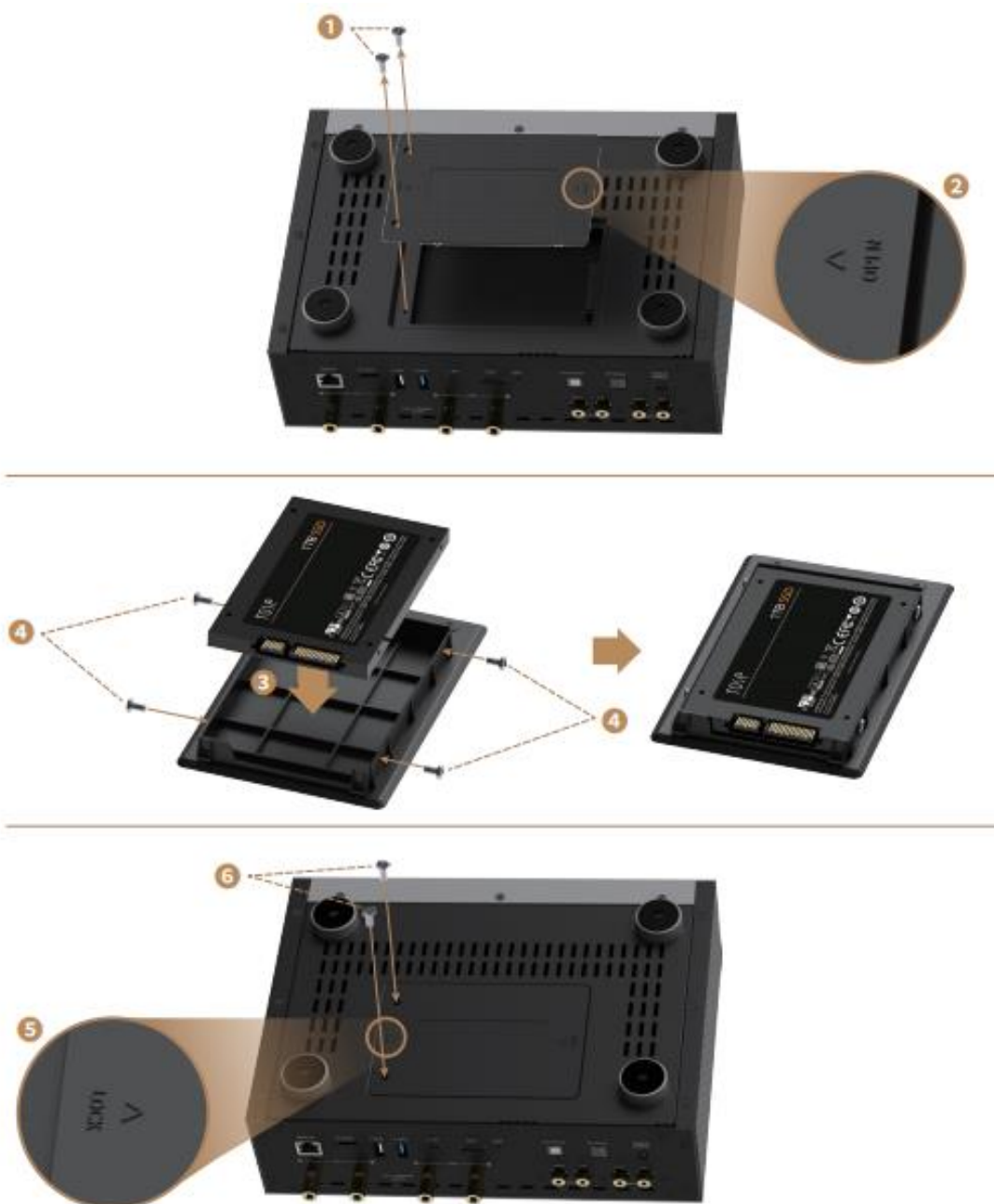
##### Inserting / Removing an External Memory Card

- An external Micro SD, USB, SSD are supported.
- MicroSD Card capacity is compatible up to 400GB, USB is up to 512GB and SSD is up to 4TB.

## Inserting SSD

- 1 Loosen bottom of screws(2ea) ▶ 2 Push OPEN indicator, separate SSD cover ▶
- 3 Put SSD on the SSD cover ▶ 4 Fix SSD by screws in the box ▶
- 5 Assemble the cover ▶ 6 Push LOCK indicator and tighten screws

※ SSD is optional, Only 7mm height is supported.











## 5. Home Screen and Menu Widget

- Display icons. Move on to other menus by the left/right scrolling.





- Upper Bar: Displays the Time. Product ID(changeable). Playlist of music currently playing. External input(Local. Optical. Aux changeable). Displays Alarm. Timer. HeadSet. Bluetooth. DLNA. Airplay. WiFi or Ethernet Connection
- Menu Widget: Move on to other menus by the left/right scrolling

### Icon of Menu

	Music	Play Music from Memory or Network.
	Radio	Listen to the Internet Radio.
	ROSETube	Enjoy YouTube contents without any commercial.
	ROSEPodcast	Enjoy Podcast contents.
	Video	Play Video from Memory or Network.
	Time	Check time and set the Alarm. Check location to get weather information.
	Setting	Show RS201 information and edit setting.
	External input	Show status of LOCAL. OPTICAL. LINE INPUT. Available to edit.










### Moving Screen Icons

	Home Button	Move to main page.
	Backward Button	Move to previous page.




## 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.

	Show External input icons, Showing Local, Optical, Line input status. Available to set in the external input(  ).
	Incoming New Alarm, check the mail box.
	Sleep timer setting
	Icon for headset connection status.
	Bluetooth device is connected.
	DLNA is connected, it would be restart when click. (White : Booting / Gray : Connection off / Flickering : Connecting)
	Airplay is connected, it would be restart when click. (White : Booting / Gray : Connection off / Flickering : Connecting)
	WiFi and Ethernet Signal Reception, Move to network setting when click.



## 6. Internet Connection

### WIFI Connection

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




## Ethernet Connection

Connect Ethernet connector to the socket ► Click on Settings(  ) ► Move to Ethernet Settings ► Activate Ethernet switch(  ) ► Connected

SystemSetting	Ethernet	
Display	IP Address	192.168.2.105
WiFi	MAC	D0:EB:9E:00:79:B7
Ethernet	Netmask	255.255.255.0
BlueTooth	Gateway	192.168.2.1
Date and Time	DNS1	168.126.63.1


## 7. Connecting Mobile Devices

### AirPlay Connection

- For Android devices, go to Play Store(Google Play) and install Applications that support AirPlay to begin 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. (Flashing in White: Booting / White: Connection available / Blue: Connected)
- For AirPlay service, RS201 and the device should be connected to the same AP (Wireless Network)

### Connecting DIAL Service

- You can transfer YouTube playback screen from the Android phone to the RS201.
- For DIAL Service, RS201 and the device should be connected to the same AP.(Wireless Network)

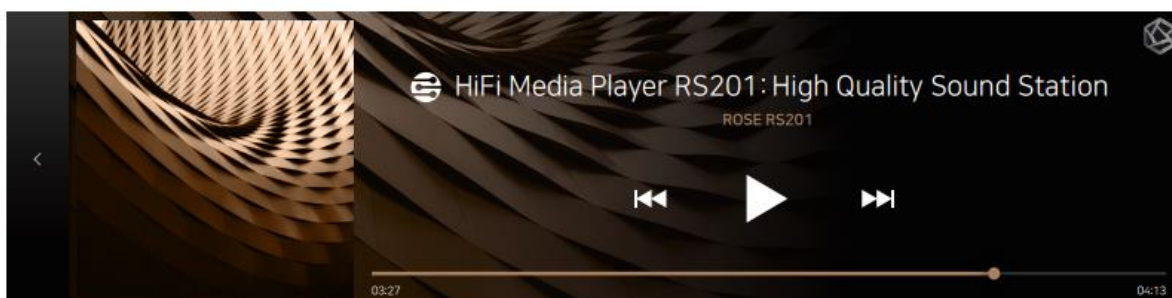
Connect WiFi ► Select icon (  ) on the YouTube Screen (Android) ► Select device (Product ID) to send on your phone's screen ► Play the same YouTube Video on RS201

### DLNA Connection

- RS201 and DLNA device should be connected to the same AP (wireless network).
- When DLNA is activated, You can connect it after appearing RS201 in the App.



Execute DLNA support App ► Select Device ► Connect to ROSE

- When DLNA is connected, the following screen appears and the music is played.

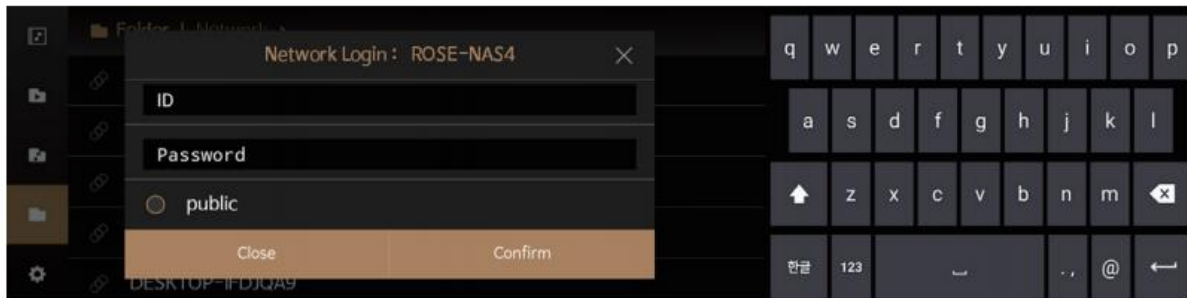


## Connecting to Home Network

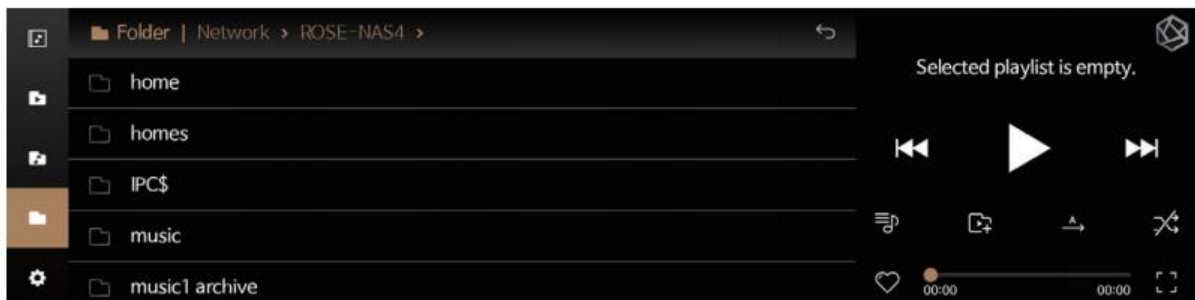
- RS201 can play files from PC and NAS.

Select music(  ) or video(  ) in homescreen ▶ 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



- RS201 and PC or NAS should be connected to the same AP (wireless network).
- And 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.




## HDMI

- You can find out the HDMI icon(  ) in the top of right when RS201 is processing Video or ROSE Tube. Showing video clips on TV, Mornitor via HDMI cable after click icon. Select files to play music and videos. click previous icon(  ) or seperate HDMI cable , but Video still play on RS201 display.



### ROSE Connect (Remote App)

- Searching ROSE Connect(  ) in App store, Google playstore, It is a variable to download and setup.
- RS201 and the application should be connected to the same AP.(Wireless Network)  
Using ROSE Connect can control RS201 in remote.  
(Music. Video. Radio. ROSETube. Podcast. Power. Volume and etc)



### 8. Specifications

Part		Specifications	Note
Project Name		ALL-IN_ONE PLAYER	
Model Name		RS201	
OS		ANDROID7.1 (Nougat)	
CPU		Six-Core ARM® 64-bit processor, up to 2.0GHz	
Memory	DRAM	LPDDR3 4GB	
	Flash	eMMC 8GB	
DISPLAY		8.8" TFT LCD& Capacitive Touch Screen (MIPI-DSI)  480RGB(H)*1920(V)	
Audio		WAV,FLAC,WMA,MP3,APE,DFF,DSF  PCM:8KHz~384KHz(8/16/24/32bit per Sample)  Native DSD:  DSD64(1bit2.8MHz),DSD128(1bit5.6MHz),DSD256(1bit 1.2MHz)	

VIDEO		<p>VIDEO DECODER</p> <ul style="list-style-type: none"> <li>- MMU embedded</li> <li>- Real-time video decoder of MPEG-1,MPEG-2,MPEG-4</li> </ul> <p>H.263,H.264,H.265,VC-1,VP9,VP8,MVC</p> <ul style="list-style-type: none"> <li>- H.264/AVC,Base/Main/High/High <a href="#">profile@level5.1</a>;</li> </ul> <p>up to 4Kx2K @30fps</p> <ul style="list-style-type: none"> <li>- H.265/HEVC, Main/Main10 profile@ level 5.1 High-tier;</li> </ul> <p>up to 4Kx2K@60fps</p>	
WIFI	Combo Half	802.11 b/g/n/a (2.4GHz/5GHz)	
Bluetooth	MiniPCIE Card	V4.0 / V3.0 +HS	
I/O Port	HDMI2.0 (1Port)	<p>Support 480p/480i/576p/576i/720p/720i/1080p/1080i/4k</p> <p>Support RGB/YUV420(up to 10bit)format</p> <p>Max output resolution: 4096*2160</p>	
	MICRO SD	SDMMC (1PORT)	
	ETHERNET	10/100/1000 BASE-T (1PORT)	
	USB2.0	Type A (1Port)	
	SATA	<p>SATA I/F CONNECTOR 1PORT</p> <p>SSD Card(Optional)</p>	
	USB3.0	Type A (1Port)	
	PRE OUT	RCA L/R (1Port)	
	LINE IN	RCA L/R (1Port)	

	USB Type C	OTG (1Port)	
	Digital IN	Optical (1Port)	
	Digital OUT	Optical (1Port)	
	Speaker	L+/L-, R+/R-	
Adaptor		Input Voltage: AC100-240V 50/60Hz Out Voltage : DC 24V, 5.0A	
Operating Temperature		0~40°C	
Storage Temperature		-20~70°C	
Size		278mm*202mm*76mm	
Weight		2.3Kg	
Accessory		Bluetooth Remote Controller (1ea) AAA Battery (2ea) Simple manual (1ea) Adapter (1ea) AC Power code (1ea) Cross driver (1ea) SSD Fix Screws (4ea)	

#### WIFI/Bluetooth RF Mode

	Mode	Frequency
1	802.11b	2412~2462

2	802.11g	2412~2462
3	802.11n(2.4G)	2412~2462(20HT)
		2422~2452(40HT)
4	802.11a	5.2G(5180~5240)
		5.8G(5745~5825)
5	802.11n(5G) 20HT	5.2G(5180~5240)
		5.8G(5745~5825)
	802.11n(5G) 40HT	5.2G(5190~5230)
		5.8G(5755~5795)
7	Bluetooth 4.0	BDR(2.4G)
		EDR(2.4G)
8	Output Power(WIFI)	802.11a:13dBm+/- 2dBm(54Mbos)
		802.11b:16dBm+/- 2dBm(11Mbos)
		802.11g:14dBm+/- 2dBm(54Mbos)
		802.11n@2.4GHz:13dBm+/- 2dBm(HT20MCS7)
		802.11n@2.4GHz:13dBm+/- 2dBm(HT40MCS7)
		802.11n@5GHz:12dBm+/- 2dBm(HT20MCS7)
		802.11n@5GHz:12dBm+/- 2dBm(HT40MCS7)
	Output Power(BT)	$0 \leq \text{Output Power} \leq 8\text{dBm}(\text{Conductive})$

9	Receive Sensitivity(WIFI)	802.11a:less than -65dBm(54Mbps)
		802.11b:less than -76dBm(11Mbps)
		802.11g: less than -65dBm (54Mbps)
		802.11n@2.4GHz: less than -64dBm (HT20MCS7)
		802.11n@2.4GHz: less than -61dBm (HT40MCS7)
		802.11n@5GHz: less than -64dBm (HT20MCS7)
		802.11n@5GHz: less than -61dBm (HT40MCS7)
	Receive Sensitivity (BT)	BER<0.1%(Anritsu 8852Tx-70dBm)

## 9. Quality Certification

### 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: RS201

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: CITECH Co., Ltd. / Korea



- Identification code of authenticated person: SYH
- Authentication number: R-R-SYH-RS201

#### **Rose Customer Service Center (A/S center)**

Telephone: 1899-6042

Website: [www.hifirose.com](http://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



**Manufacture: CITECH Co., LTD.**

**11F, 932, Yangjae-daero, Songpa-gu, Seoul, Republic of Korea**

**Tel. +82-2-410-9676**

#### **Representative(or importer) in the EU: Conceptas Sound Engineering**

**Hoher Markt 8-9/3/30 1010 Wien Austria**

**Tel. +43-664-42-84-980**

#### **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

#### FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.