

# Wireless Presentation System with Dual Band AC2100 Router



# Contents

## Chapter 1: Know your JWR2100 router

Package content .....	3
Description for the appearance of JWR2100 router .....	3

## Chapter 2: Build your network

Router location .....	4
System requirements of product .....	4
Build your JWR2100 router .....	5
Wired connection .....	6
Wireless connection .....	6
Set up the TCP/IP setting of system .....	7
Windows setting .....	7
Mac setting .....	7

## Chapter 3: Management setting interface of wireless router

Network setup wizard .....	8
General setting .....	9
Description for the network map .....	10
Visitor network setting .....	12
Parental control setting .....	13
USB application .....	14
Wireless network 2.4G setting .....	17
Wireless network 5G setting .....	22
Internal network setting .....	27
External network setting .....	28
IPv6 setting .....	29
Virtual private network .....	29
Firewall setting .....	30
System management/information .....	30
NTP setting .....	31
Configuration management .....	31
Upgrade firmware .....	32
System log .....	32

## Chapter 4: Introduction of the wireless projection function

Requirement for the wireless projection environment .....	33
Wireless projection setting .....	33
Installation on Windows .....	34
Voice output in Windows .....	34
Installation on Mac .....	35
Installation on Android .....	35
Voice output in Android .....	36
Installation regarding Key Pad for iOS .....	36
Description for the operation and light of Key Pad (App/hardware applicable) .....	37
Instruction for the light of KeyPad .....	37

## Chapter 5: Troubleshooting .....

38

# Chapter 1: Know your JWR2100 router

## Package content:

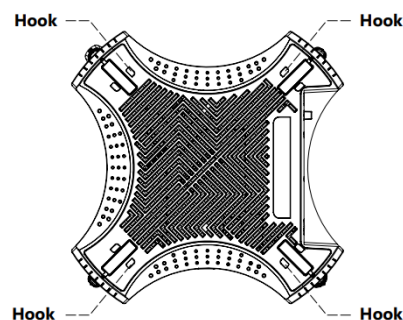
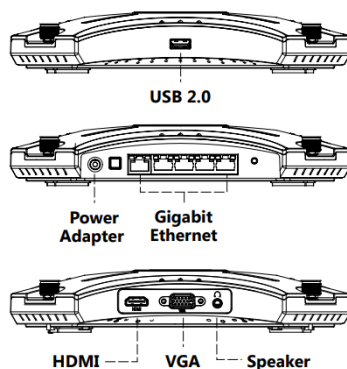
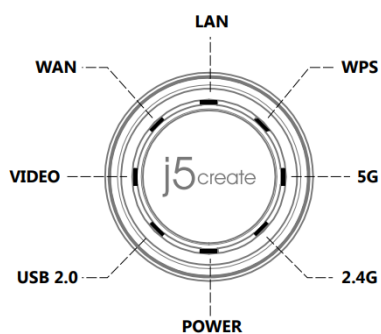
Please check if all accessories of JWR2100 are included in the box.

- JWR2100 wireless router
- RJ45 cable
- Power converter 12V-2A
- Quick installation guide
- Warranty card
- A key pad (Go to j5create website to contact us for additional key pads.)

## ☆ Reminder

For any damaged or missing accessory, contact the seller or j5create customer service center soon. Please refer to the contact information of j5create customer service center at the back of the manual.

## Description for the appearance of JWR2100 router:



### ● Panel indicator of router (Fig. 1 Clockwise direction)

- LAN port indicator
- WPS button indicator
- 5GHz indicator
- 2.4GHz indicator
- Power indicator
- USB 2.0 port indicator
- VIDEO output indicator
- WAN port indicator

### ● Description for the ports on the side of router (Fig. 2)

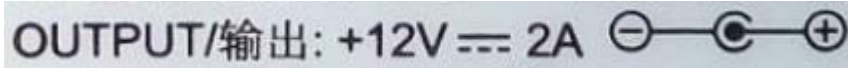
- USB 2.0 port
- Power outlet (12V DC-IN)
- Power button
- Port for the WAN network x 1 (blue)
- Port for the LAN network x 4 (yellow)
- WPS/Reset button: Press it to activate WPS/Press and hold it to return to the default setting.
- HDMI port
- VGA port
- Speaker Audio output port

### ● Rear view of the router (Fig. 3)

- Identification sticker
- Default account and password of router
- Wall mount hole

☆ Reminder

Please use the power converter that comes with the product. (The following diagram shows that the positive pole of converter is inside and the negative one is outside.) The router might be damaged if the power converters with other specifications are used.



## Chapter 2: Build your network

### Router location

To ensure smooth transmission of wireless signal between the wireless router and the network device connected to the wireless router, check the following before deciding whether to put your router:

- Put the router at the center of the building to ensure that all wireless devices are covered
- It is suggested that the router must not be placed near metal objects or in the area with direct sunlight
- Keep the router at a distance from other WiFi routers, boosters, engines, microwaves, refrigerators and other high-power devices to prevent the router from having signal interference or not being able to receive signals
- Place the router in an area with great ventilation and heat dissipation

### System requirements of product:

Your PC must meet the system requirements below before setting up your network:

- An Ethernet RJ45 port (LAN Port) 10Base-T/100bASE-TX/1000BaseTX
- Support the IEEE 802.11 a/b/g/n/ac wireless function
- The system supports TCP/IP services
- Web browsers are available, such as Google chrome, Firefox, Safari, Opera, Internet Explorer and Edge

☆ Reminder

Please check if any network device is available in your computer.

If using the single-band IEEE 802.11 b/g/n NIC when receiving the wireless signal from JWR2100, you can only receive the 2.4GHz band.

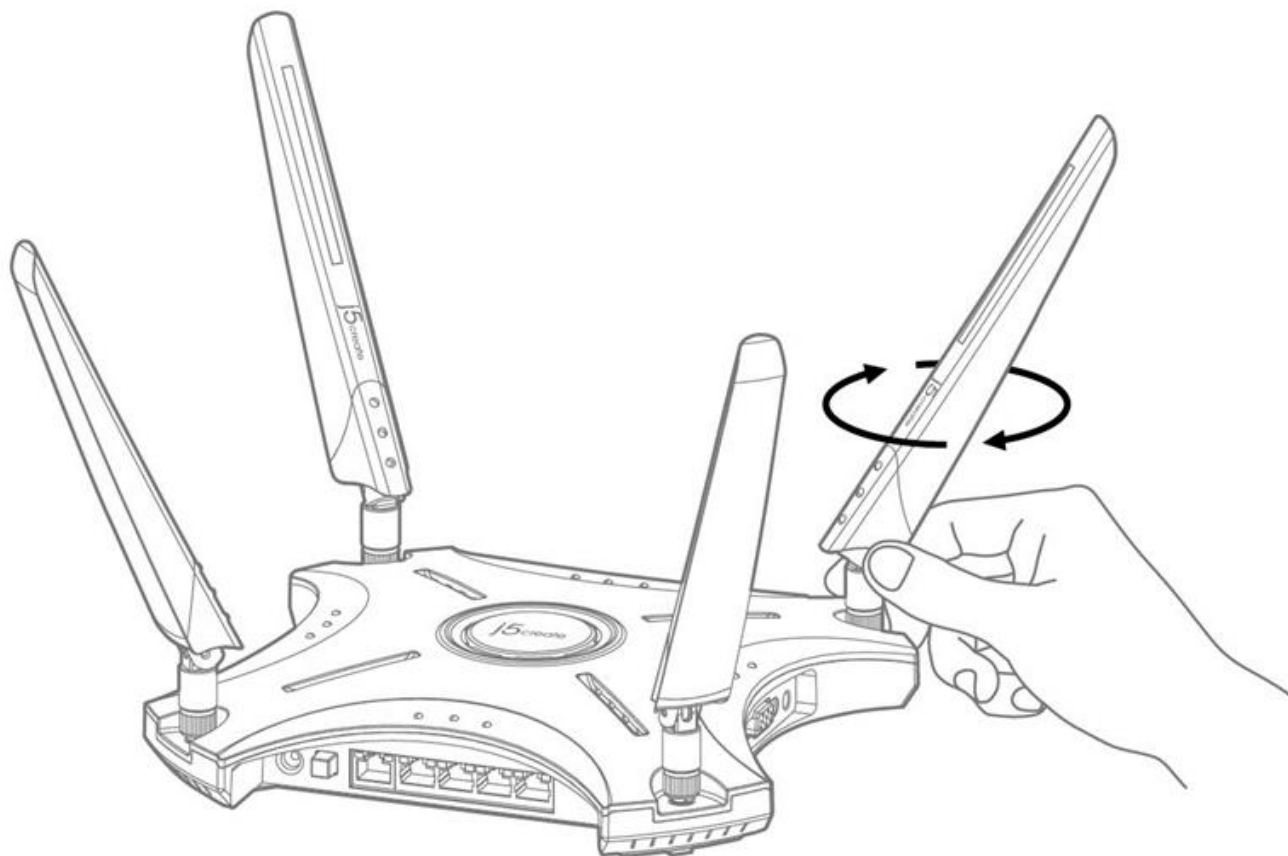
If using the single-band IEEE 802.11 a/b/g/n/ac NIC when receiving the wireless signal from JWR2100, you can receive the 2.4GHz or 5GHz band.

The length of RJ-45 Ethernet cable connecting to the network device must not exceed 100 m, otherwise the router might not be able to receive any signal or the signal would be unstable.

If you want to replace the router, please disconnect the network (pulling off the network cable and shutting down the router) and reboot the computer.

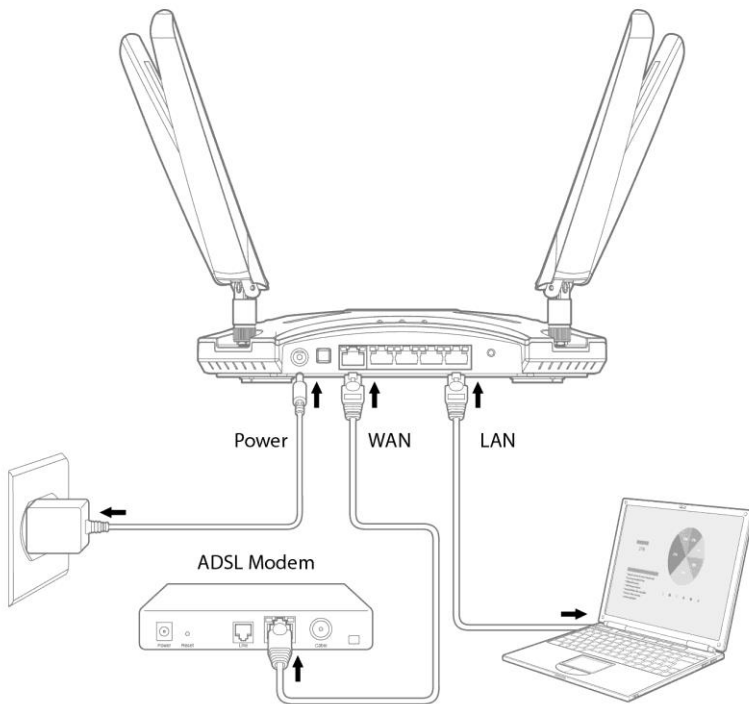
**Build your JWR2100 router:**

Please install the four antennas in the package onto the router in clockwise direction.



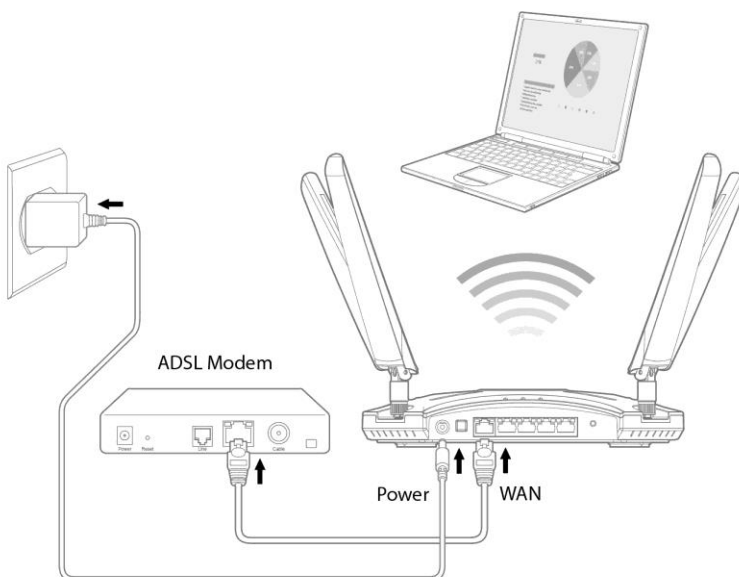
### Wired connection

1. Insert the AC adapter of wireless router into the DC-IN port and plug in the power cord.
2. Use the RJ-45 cable to connect your computer to the LAN port of wireless router.
3. Make sure that LAN port indicator of the wireless router flashes and the wired connection is completed.



### Wireless connection

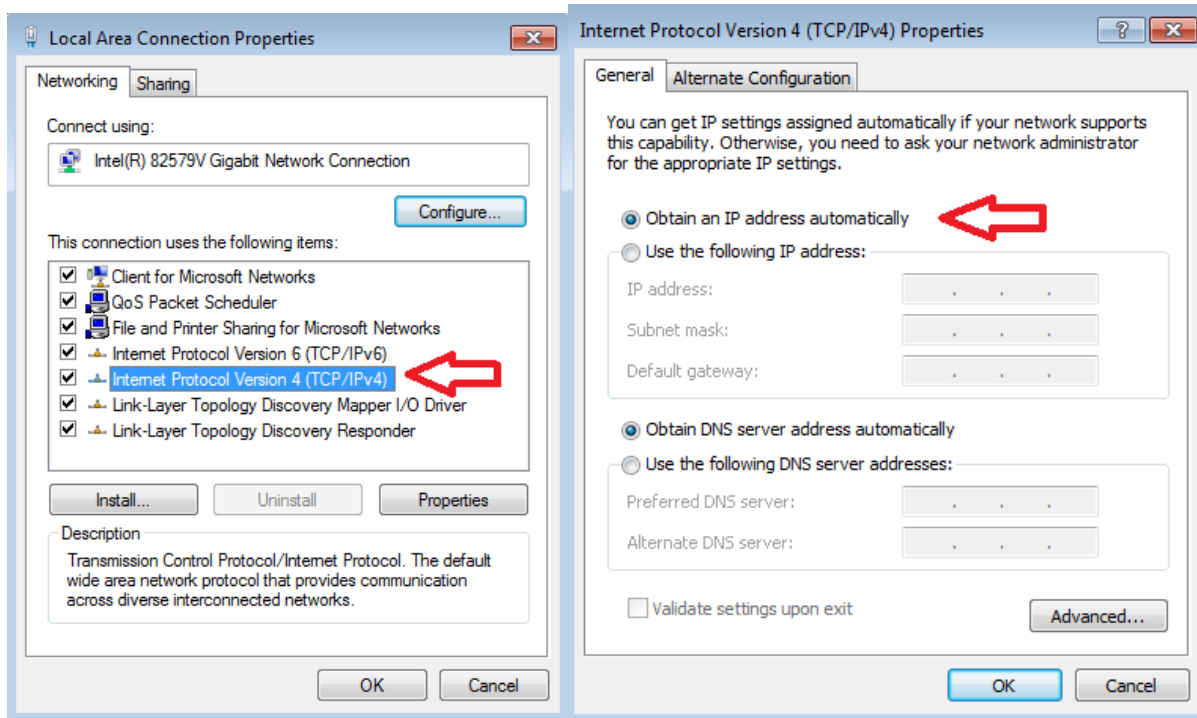
1. Insert the AC adapter of wireless router into the DC-IN port and plug in the power cord.
2. Use the RJ-45 cable that comes with the package to connect your ISP modem to the WAN port of wireless router.
3. Make sure that the ISP modem is on.
4. Use the wireless card on the computer to set up the network.



## Set up the TCP/IP setting of system

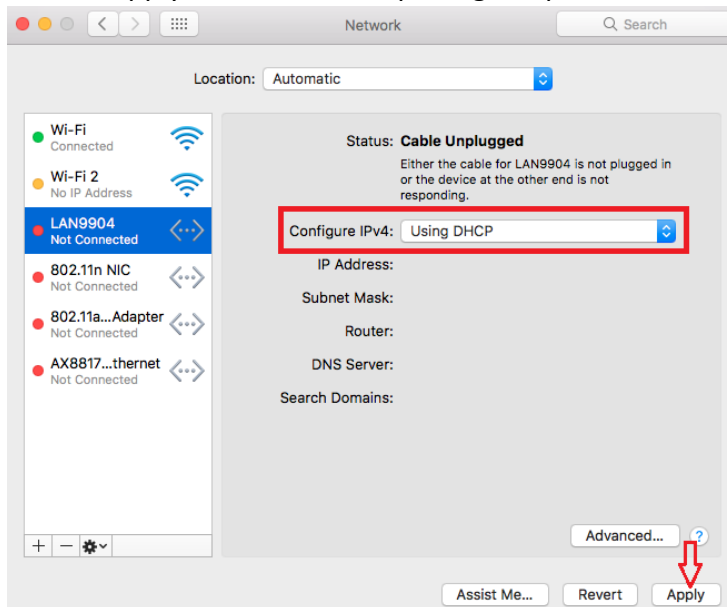
**Windows setting:** TCP/IP receives the IP address automatically.

1. Click Start > Control Panel > Network and Internet > Network and Sharing Center > Manage Network Connections
2. Click Internet Protocol Version 4 (TCP/IPv4) and click "Properties".
3. To obtain the IPv4 setting automatically, click "Obtain an IP" address automatically.
4. Click "OK" after completing the procedure.



**Mac setting:** TCP/IP receives the IP address automatically.

1. Click the apple icon on the top-left corner.
2. Click System Preferences > Network > Settings...
3. Click the TCP/IP tab. Select DHCP from the dropdown list of Configure IPv4.
4. Click "Apply Now" after completing the procedure.



☆ Reminder

Refer to "Help" in your OS for more information on TCP/IP.

---

## Chapter 3: Management setting interface of wireless router

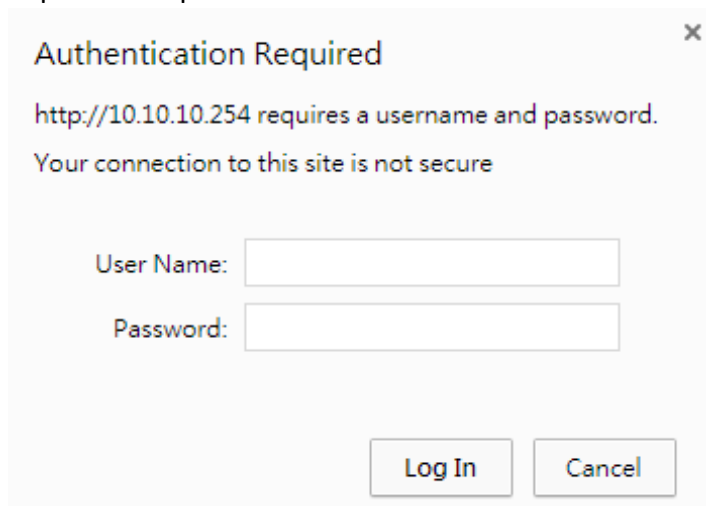
JWR2100 comes with a smart web page GUI, allowing you to set up router functions via various web browsers, such as Internet Explorer, Firefox, Chrome and Safari.

### Network setup wizard

When using this system for the first time, you will enter the network setup wizard after login.

Follow the steps below to log in the management setting interface:

1. Enter the default IP address in your web browser (e.g. Internet Explorer, Firefox, Google Chrome, Safari): 10.10.10.254.
2. A login window appears. Enter the default account and password. Default account: admin; default password: password



Authentication Required

http://10.10.10.254 requires a username and password.  
Your connection to this site is not secure

User Name:

Password:

Log In Cancel

#### ☆ Reminder

Make sure that you've set that the TCP/IP will receive the IP address automatically.

---

3. Enter the network setup wizard. Change the default login password of the router for first time login. Click "Next" after changing the password.

Account	<input type="text" value="admin"/>
Password	<input type="password" value="*****"/>
Verify Password	<input type="password" value="*****"/>



4. Set the time zone of your country and click "Next".

Current Time	Thu Jan 1 00:06:28 UTC 1970
Time Zone	(GMT-08:00) Pacific Time ▼
NTP Server	0.pool.ntp.org ▼
NTP Synchronization	12 hour(s)(Update Interval)

5. You can adjust the external network setting if necessary. Click "Next" after confirming the setting.

Choose a mode you want	DHCP (Auto Config) ▼
Host Name(Optional)	
Current IP Address	N/A
Current Subnet Mask	N/A

6. You can adjust the internal network setting if necessary. It is suggested to use the default setting. Click "Next" after confirming the setting.

HostName	J5-500158
IP Address	10.10.10.254
Subnet Mask	255.255.255.0/24 ▼
DHCP Server	<input checked="" type="checkbox"/> ON
Start IP	10.10.10.100
End IP	10.10.10.200
Subnet Mask	255.255.255.0/24 ▼
Primary DNS Server	8.8.8.8
Secondary DNS Server	8.8.4.4
Default Gateway	10.10.10.254
Lease Time	86400

7. You can adjust the wireless network setting if necessary. It is suggested to change the default SSID and password of 2.4G/ 5G. Click "OK" after confirming the setting.

Wireless 2.4G <input checked="" type="checkbox"/> ON		Wireless 5G <input checked="" type="checkbox"/> ON	
Network Mode	11b/g/n mixed mode	Network Mode	11vht AC/AN ▼
Wireless Name(SSID)	J5-2.4G-B6E915	Wireless Name(SSID)	J5-5G-B4F8E2
Country/Region	Taiwan ▼	Country/Region	Taiwan ▼
Security Mode	WPA/WPA2 Personal ▼	Security Mode	WPA/WPA2 Personal ▼
WPA Encryption	TKIP-AES ▼	WPA Encryption	TKIP-AES ▼
Passphrase	12345678	Passphrase	12345678
Key Renewal Interval	3600 seconds(≥1800)	Key Renewal Interval	3600 seconds(≥1800)

## General setting

### Description for the network map:

The basic setting is completed. Enter the home screen of router setting afterwards. Check the current status of 2.4G and 5G from the "Network Map", such as SSID, security mode, encryption setting, network switch and output screen status.

The screenshot shows the j5create router web interface. The sidebar menu on the left includes: Quick Internet Setup, General Setup, Network Map (highlighted with a red arrow), Guest Network, Parental Control, USB Application, Advanced Setup, Wireless 2.4G, Wireless 5G, Local Area Network, Wide Area Network, QoS, IPv6, VPN Server, Firewall, Administration, and System Log. The main content area displays: Ethernet Jack : Not connected WAN IP :; User : 3; 2.4G Security mode: WPA/WPA...; 5G Security mode: WPA/WPA...; and Ver:17101100. On the right, the WAN Connection Status panel shows: Connection Type (DHCP), IP Address, Subnet Mask, Gateway, and a Setting button.



Connection of external network : Check the current type of external network connection, network address, network mask and gateway setting quickly.



User connection status : Check the name of the user connecting to the router and the network address of the router.



Quick setting of 2.4G and 5G network:

Set your wireless network name (SSID), Wi-Fi switch, country/region, security mode/encryption method/verification password and key update cycle. Click “Apply” after completing the setting. Wait for the system to reboot and the setting will be completed.

<b>Network Mode</b>
<input type="text" value="11b/g/n mixed mode"/>
<b>Wireless Name(SSID)</b>
<input type="text" value="j5-2.4g-50015A"/>
<b>Country/Region</b>
<input type="text" value="United States"/>
<b>Security Mode</b>
<input type="text" value="WPA/WPA2 Personal"/>
<b>WPA Encryption</b>
<input type="text" value="TKIP-AES"/>
<b>Passphrase</b>
<input type="text" value="12345678"/>
<b>Key Renewal Interval</b>
<input type="text" value="3600"/> seconds( $\geq 1800$ )

Wi-Fi  **ON**



### Connection of external USB drive:

Check the status of your current USB drive. You can remove the USB safely, and set the FTP and switch of network neighborhood. Click “Apply” after completing the setting. Wait for the system to reboot and the setting will be completed.

#### External USB disk status

Model name	Feiya Technology Corp. Flash Drive
Total space	3.949 GB
Available space	3.886 GB
Safely Remove disk	<input type="button" value="Remove"/>
FTP Server	<input checked="" type="checkbox"/>
Network Neighborhood	<input checked="" type="checkbox"/>



### Display status: Check the status of the connected HDMI/VGA display.

#### Display Status

Display Type:	HDMI
Display Model:	S221HQL
Connected Device:	



## Guest Network

### Visitor network setting

The characteristic of this function is that you can set a set of wireless AP separated from the internal network while connected to the Internet in the 2.4G and 5G bands, respectively. You don't need to worry about data leakage while offering connection to visitors, which is convenient and safe. We allow users to decide when the connection should be available, which is more convenient for management.

### Guest Network

---

#### 2.4G

Wi-Fi Power	<input checked="" type="checkbox"/> ON
Wi-Fi Name	<input type="text" value="📶-2.4g"/>
Authentication Method	<input type="text" value="WPA/WPA2 Personal"/>
WPA Encryption	TKIP/AES
WPA-PSK Key(8 or more characters)	<input type="text" value="12345678"/>
Show Passphrase/WEP Key	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Access Time	<input type="text" value="08:00"/> - <input type="text" value="18:00"/>

---

#### 5G

Wi-Fi Power	<input checked="" type="checkbox"/> ON
Wi-Fi Name	<input type="text" value="📶-5g"/>
Authentication Method	<input type="text" value="WPA/WPA2 Personal"/>
WPA Encryption	TKIP/AES
WPA-PSK Key(8 or more characters)	<input type="text" value="12345678"/>
Show Passphrase/WEP Key	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Access Time	<input type="text" value="08:00"/> - <input type="text" value="18:00"/>

How to open the visitor network

1. Turn on the Wi-Fi.
2. Enter the WiFi name/encryption method/wireless password desired.
3. If you want to show the password on the <Wireless projection> screen, select to activate the "Display verification password/WEP key".
4. Set the time of use.
5. Click "Apply". Wait for the system to reboot and the setting will be completed.



### Parental control setting

The parental control setting allows you to limit the network usage time for the user. You can set the usage time for each user easily by following instructions on the screen.

## Parental Control

Enable Parental Control



User List

android-6f158dd



User Name

MAC Address



Client Schedule

Apply All

User Name

N/A

MAC Address

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
00-02							
02-04							
04-06							
06-08							
08-10							
10-12							
12-14							
14-16							
16-18							
18-20							
20-22							
22-24							

Apply

1. Select the user you want to control from the [User schedule] table.
2. Click on the time that you wish the network would be available by selecting the date above to set the network to be available all day or decide to set the network available in a fixed period every week.  
Click "Apply". Wait for the system to reboot and the setting will be completed.

**USB application**

The JWR2100 router provides a USB 2.0 port for USB device connection. Plug in the USB device before operating this function. Plug in the flash drive or printer depending on your need.



Function of USB storage device: The user can save the file on the USB shared from the router. Click the introduction of the top-bottom function of "FTP".

1. FTP: Set to turn this function on or off.
2. Server name: Set the server name you want to use.
3. FTP port: It is suggested to use the default setting.
4. Maximum connections: Set the number of connections available for the FTP simultaneously.
5. Anonymous login: Set whether to allow anonymous login for the FTP.
6. Create directory: Set whether to open the privilege for the connected user to add folders on the FTP server.
7. Delete or rename the file/directory: Set whether to open the privilege for the connected user to delete or rename the file/directory on the FTP server.
8. Upload/download (bps): Set the upload and download speed for each connection.

Click "Apply" after completing the setting. Wait for the system to reboot and the setting will be completed.

## USB Application

FTP Server

Network Neighborhood

### FTP Server Settings

FTP Server	<input checked="" type="checkbox"/> ON
Server Name	<input type="text" value="FTPServer"/>
FTP Port	<input type="text" value="21"/>
Max Connections	<input type="text" value="5"/>
Anonymous Login	<input type="radio"/> Enable <input type="radio"/> Disable
Create Directory	<input type="radio"/> Enable <input type="radio"/> Disable
Remove FILE/Directory	<input type="radio"/> Enable <input type="radio"/> Disable
Rename FILE/Directory	<input type="radio"/> Enable <input type="radio"/> Disable
Upload(bps)	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Download(bps)	<input type="radio"/> Enable <input checked="" type="radio"/> Disable

Back

Apply

☆ Reminder

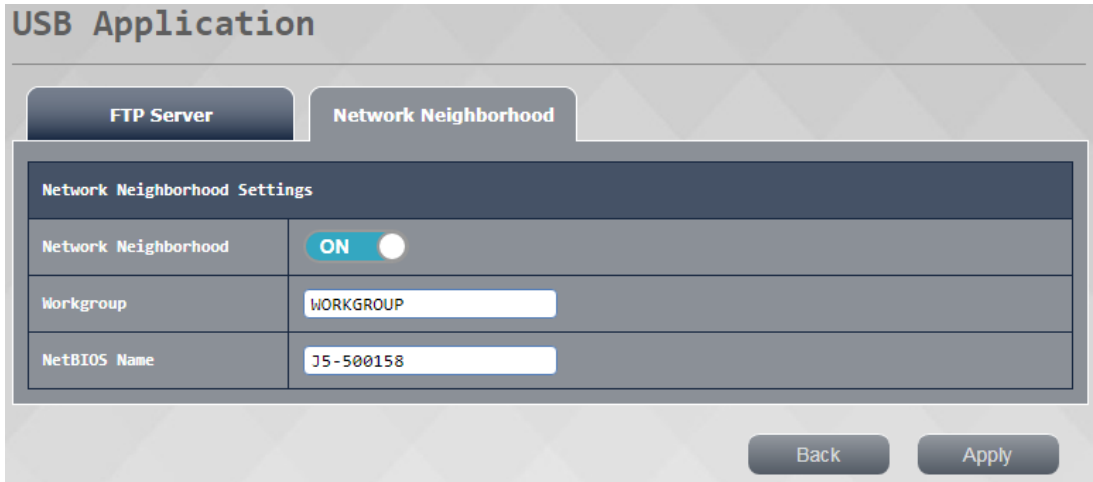
To open the FTP, the client must connect to 10.10.10.254 and use the account and password that are the same with as the one used with the management interface.

---

Click the introduction of the top-bottom function of "Network Neighborhood".

1. Network Neighborhood setting: Set to turn this function on or off.
2. Workgroup: Set the workgroup name.
3. NetBIOS name: Set the NetBIOS name.

Click "Apply" after completing the setting. Wait for the system to reboot and the setting will be completed.



☆ Reminder

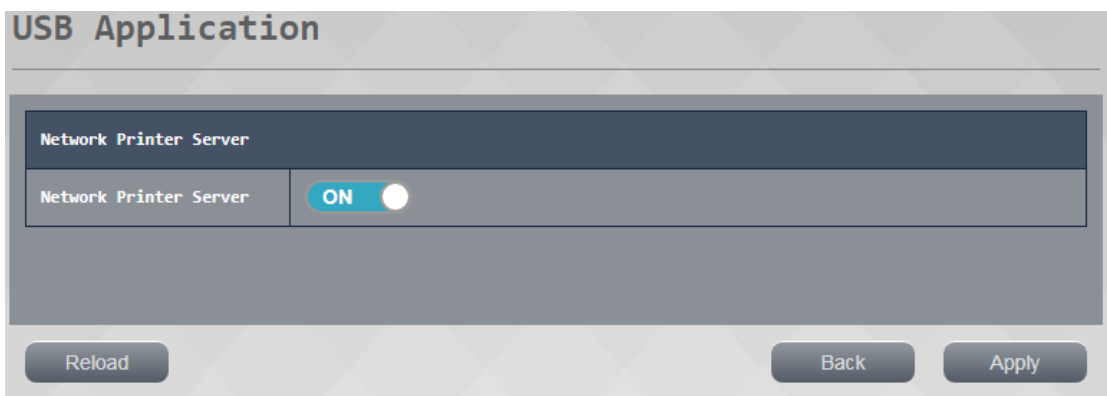
Please execute \\10.10.10.254. The account and password shall be the same as the one used on the management interface.

---



Function of network printer server: Connect to the printer on the USB port on the router, allowing the user to use the printer from the LAN.

Click "Apply" after completing the setting. Wait for the system to reboot and the setting will be completed.



Function of DLNA server: Play the HD video, photo and music saved in the USB device via the DLNA server.



Set the DLNA switch and the name of the DLNA server you wish to set. Click “Apply” after completing the setting. Wait for the system to reboot and the setting will be completed.

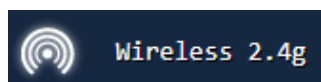
DLNA Server Setting	
DLNA Server	<input checked="" type="checkbox"/> ON
Server Name	MediaServer

Back Apply

☆ Reminder

The wireless router supports most of the formats of the USB storage device, such as FAT and NTFS. It is suggested to remove the USB device from the management interface before removing it physically.

---



### Wireless network 2.4G setting

This page is for the advanced setting of 2.4G wireless network. You can make advanced settings for the security of wireless network here. It is suggested to keep the default setting if you don't have any special need. Refer to the advanced setting of Wi-Fi if you wish to change it.

Basic setting:

- Wi-Fi ON/Off: Set your 2.4G wireless network switch.
- Network mode: Check the network mode for your 2.4G wireless network.
- Wireless network name: Set the wireless network name (SSID) you wish to use.
- Supported channel/frequency: Select your current 2.4G wireless network channel. You can change this option to avoid unstable signals caused by having other routers or wireless signals using the same channel.
- MAC location: Display the MAC address of router.

Click “Apply” after completing the setting. Wait for the system to reboot and the setting will be completed.

Wireless Network	
WiFi UP/DOWN	<input checked="" type="checkbox"/> ON
Network Mode	11b/g/n mixed mode
Wireless Name(SSID)	j5-2.4g-50015A
Country/Region	United States ▼
Support Channel	CH 1~11 ▼
Frequence(CH)	AutoSelect ▼
MAC Address	00:05:1B:50:01:5A

### Solid mode for high transmission rate:

This setting page is for 802.11n. You can set the 802.11n network setting of the router. It is suggested to keep the default system setting if you don't have any special needs. Click "Apply" after completing the setting. Wait for the system to reboot and the setting will be completed.

HT Physical Mode	
Operating Mode	Mixed Mode ▾
Channel Bandwidth	20/40M Auto ▾
Guard Interval	Auto ▾
Modulation and coding scheme(MCS)	Auto ▾
Space-Time Block Code(STBC)	<input type="radio"/> Enable <input type="radio"/> Disable
Reverse Direction Grant(RDG)	<input type="radio"/> Enable <input type="radio"/> Disable
Aggregation MSDU(A-MSDU)	<input type="radio"/> Enable <input type="radio"/> Disable
Auto Block ACK	<input type="radio"/> Enable <input type="radio"/> Disable
Decline BA Request	<input type="radio"/> Enable <input type="radio"/> Disable
Disallow TKIP	<input type="radio"/> Enable <input type="radio"/> Disable
20/40M Coexistence	<input type="radio"/> Enable <input type="radio"/> Disable
Low-Density Parity Check(LDPC)	<input type="radio"/> Enable <input type="radio"/> Disable
Transmission MIMO Spatial Stream	2 ▾
Reception MIMO Spatial Stream	2 ▾

### Advanced setting:

You can set the 2.4G advanced setting. You can customize the BG protection mode of 2.4G and transmission rate. It is suggested to keep the default system setting if you don't have any special need. Click "Apply" after completing the setting. Wait for the system to reboot and the setting will be completed.

Advanced	
Advanced Wireless	
BG Protection Mode	Auto ▾
Beacon Interval	100 ms(20-999)
data beacon rate(DBR)	1 ms(1-255)
Fragment Threshold	2346 (256-2346)
RTS Threshold	2347 (1-2347)
TX Power	100 (1-100)
Short Preamble	<input type="radio"/> Enable <input type="radio"/> Disable
Short Slot	<input type="radio"/> Enable <input type="radio"/> Disable
Packet Aggregate	<input type="radio"/> Enable <input type="radio"/> Disable
Wi-Fi Multimedia(WMM)	
WMM Capable	<input type="radio"/> Enable <input type="radio"/> Disable
APSD Capable	<input type="radio"/> Enable <input type="radio"/> Disable
DLS Capable	<input type="radio"/> Enable <input type="radio"/> Disable

Apply

**Security setting:**

You can make advanced settings for the security of 2.4G wireless network on this page.

**Security mode:** Decide whether you want to turn on the 2.4G wireless signal and select an encryption mode. Also, decide whether you want the WEP and WPA/WPA2 security encryption modes to be supported.

If you select the WPA/WPA2 personal mode, you can enter an 8-64 bit password for the verification password.

Security	
Wireless Name(SSID):j5-2.4g-50015A	
Security Mode	WPA/WPA2 Personal ▼
Wi-Fi Protected Access(WPA)	
WPA Encryption	<input type="radio"/> TKIP <input type="radio"/> AES <input checked="" type="radio"/> TKIPAES
Passphrase	12345678
Key Renewal Interval	3600 seconds(≥1800)
Remote Display	
Show Passphrase/WEP Key	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Wireless MAC Filter	
Default Policy	Disable ▼

Apply

**Remote display:** This setting allows you to decide whether users can see your key of wireless login when JWR2100 carries out the wireless projection.

## Security

Wireless Name(SSID):j5-2.4g-50015A

Security Mode

### Wi-Fi Protected Access(WPA)

WPA Encryption  TKIP  AES  TKIPAES

Passphrase

Key Renewal Interval  seconds( $\geq 1800$ )

### Remote Display

Show Passphrase/WEP Key  Enable  Disable

### Wireless MAC Filter

Default Policy

Apply

## WPS

### Wi-Fi Protected Setup(WPS)

WPS  ON

### WPS Summary

Wireless Name(SSID) j5-2.4g-50015A

AP PIN Code

WPS Status Idle

### Device Configure

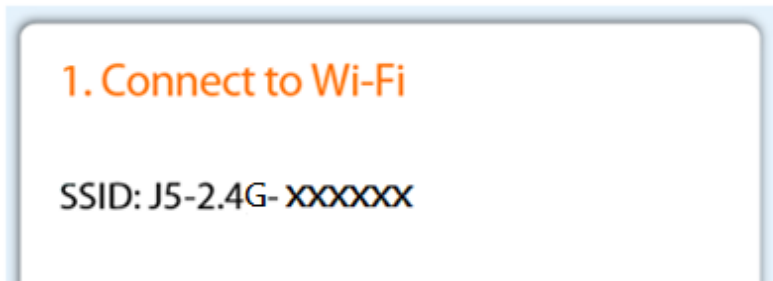
Configure via Push Button

Configure via Pin Code

This picture shows the SSID and key you will see on the output screen when you activate to display the verification password/WEP key.



This is the picture you will see on the output screen when the verification password/WEP key is not displayed.



WPS setting:

You can connect to the WPS at the user end easily by any of the methods below.

Method 1: Press the WPS button on the router and the one on the wireless card at the user end to wait for the connection.

Method 2: Enter the pin number of base station at the user end and wait for the connection.

Method 3: Press the "Connect to device" button on the interface and the WPS button on the wireless card at the user end to wait for the connection.

Method 4: Obtain the pin number at the user end, enter it in the [Connect to device via pin number] section and press "Connect to device" to wait for the connection.


A screenshot of the WPS configuration interface. At the top, there is a "WPS" tab. Below it, the "Wi-Fi Protected Setup(WPS)" section is visible. The "WPS" toggle is turned "ON". Under "WPS Summary", the "Wireless Name(SSID)" is "j5-2.4g-50015A". The "AP PIN Code" is "52432262", and there is a "Generate New PIN" button. The "WPS Status" is "Idle". Under "Device Configure", there are two options: "Configure via Push Button" with a "Connect Device" button, and "Configure via Pin Code" with a "Connect Device" button and an empty input field.

### Workstation list:

This page shows the usage condition of the user connected to the router now.

Station List

**Wireless Network**

MAC Address	Aid	PSM	MimoPS	TX Rate	RSSI	Last RX Rate	Connect Time
80:01:84:13:B9:5B	1	1	0	MCS 7 40M, LGI MM	 MCS 7 40M, LGI MM	MCS 7 40M, LGI MM	00:07:18

Refresh

### Statistics

This page allows you to check the Wi-Fi package transmission. You can press “Reset” or “Refresh” to obtain the current data.

statistics

Transmit Statistics	
Tx Success	649
Tx Retry Count	0
Tx Fail After Retry	284
RTS Successfully Receive CTS	0
RTS Fail To Receive CTS	0
Receive Statistics	
Frames Received Successfully	14756
Frames Received With CRC Error	8308
Signal-to-noise ratio(SNR)	
Signal-to-noise ratio(SNR)	n/a, n/a, n/a

ResetRefresh



### Wireless network 5G setting

This page is for the advanced setting of 5G wireless network. You can make advanced settings for the security of wireless network here. It is suggested to keep the default setting if you don't have any special needs. Refer to the advanced setting of Wi-Fi if you wish to change it.

Basic setting:

- Wi-Fi ON/Off: Set your 5G wireless network switch.
- Network mode: Check the network mode for your 5G wireless network and make sure that 802.11 ac/an/a are supported.
- Wireless network name: Set the wireless network name (SSID) you wish to use.
- Supported channel/frequency: Select your current 2.4G wireless network channel. You can change this option to avoid unstable signals caused by having other routers or wireless signals using the same channel.
- MAC location: Display the MAC address of router.

Click "Apply" after completing the setting. Wait for the system to reboot and the setting will be completed.

Wireless Network	
WiFi UP/DOWN	<input checked="" type="checkbox"/> ON
Network Mode	11vht AC/AN
Wireless Name(SSID)	j5-5g-50015B
Country/Region	United States
Support Channel	CH36~48, CH149~165
Frequence(CH)	AutoSelect
MAC Address	00:05:1B:50:01:5B

Solid mode for high transmission rate:

This settings page is for 802.11 ac/an/a. You can set the 802.11 ac/an/a network setting of the router. It is suggested to keep the default system setting if you don't have any special need. Click "Apply" after completing the setting. Wait for the system to reboot and the setting will be completed.

HT Physical Mode	
Operating Mode	Mixed Mode ▾
Channel Bandwidth	20/40M Auto ▾
Guard Interval	Auto ▾
Modulation and coding scheme(MCS)	Auto ▾
Space-Time Block Code(STBC)	<input type="radio"/> Enable <input type="radio"/> Disable
Reverse Direction Grant(RDG)	<input type="radio"/> Enable <input type="radio"/> Disable
Aggregation MSDU(A-MSDU)	<input type="radio"/> Enable <input type="radio"/> Disable
Auto Block ACK	<input type="radio"/> Enable <input type="radio"/> Disable
Decline BA Request	<input type="radio"/> Enable <input type="radio"/> Disable
Disallow TKIP	<input type="radio"/> Enable <input type="radio"/> Disable
20/40M Coexistence	<input type="radio"/> Enable <input type="radio"/> Disable
Low-Density Parity Check(LDPC)	<input type="radio"/> Enable <input type="radio"/> Disable
VHT Option	
VHT Channel Bandwidth	80M ▾
VHT Space-Time Block Code(STBC)	<input type="radio"/> Enable <input type="radio"/> Disable
VHT Short Guard Interval	<input type="radio"/> Enable <input type="radio"/> Disable
VHT BW Signaling	<input type="radio"/> Enable <input type="radio"/> Disable
VHT LDPC	<input type="radio"/> Enable <input type="radio"/> Disable
Transmission MIMO Spatial Stream	4 ▾
Reception MIMO Spatial Stream	4 ▾

[Apply](#)

### Advanced setting:

You can set the 5G advanced setting. You can customize the BG protection mode of 5G and transmission rate. It is suggested to keep the default system setting if you don't have any special need. Click "Apply" after completing the setting. Wait for the system to reboot and the setting will be completed.

Advanced	
Advanced Wireless	
BG Protection Mode	Auto ▾
Beacon Interval	100 ms(20-999)
data beacon rate(DBR)	1 ms(1-255)
Fragment Threshold	2346 (256-2346)
RTS Threshold	2347 (1-2347)
TX Power	100 (1-100)
Short Preamble	<input type="radio"/> Enable <input type="radio"/> Disable
Short Slot	<input type="radio"/> Enable <input type="radio"/> Disable
Packet Aggregate	<input type="radio"/> Enable <input type="radio"/> Disable
Wi-Fi Multimedia(WMM)	
WMM Capable	<input type="radio"/> Enable <input type="radio"/> Disable
APSD Capable	<input type="radio"/> Enable <input type="radio"/> Disable
DLS Capable	<input type="radio"/> Enable <input type="radio"/> Disable

[Apply](#)



### Security setting:

You can make advanced settings for the security of 5G wireless network on this page.

Security mode: Decide whether you want to turn on the 5G wireless signal and select an encryption mode. Also, decide whether you want the WPA/WPA2 personal security encryption mode and WPA/WPA2 enterprise security encryption mode to be supported. If you select the WPA/WPA2 personal security mode, you can use the AES or TKIP/AES encryption. You can define your own verification password and key update cycle.

Security	
Wireless Name(SSID): j5-2.4g-50015A	
Security Mode	WPA/WPA2 Personal ▼
Wi-Fi Protected Access(WPA)	
WPA Encryption	<input type="radio"/> TKIP <input type="radio"/> AES <input type="radio"/> TKIPAES
Passphrase	12345678
Key Renewal Interval	3600 seconds(≥1800)
Remote Display	
Show Passphrase/WEP Key	<input type="radio"/> Enable <input type="radio"/> Disable
Wireless MAC Filter	
Default Policy	Disable ▼

Apply

Security	
Wireless Name(SSID): j5-2.4g-50015A	
Security Mode	WPA/WPA2 Personal ▼
Wi-Fi Protected Access(WPA)	
WPA Encryption	<input type="radio"/> TKIP <input type="radio"/> AES <input type="radio"/> TKIPAES
Passphrase	12345678
Key Renewal Interval	3600 seconds(≥1800)
Remote Display	
Show Passphrase/WEP Key	<input type="radio"/> Enable <input type="radio"/> Disable
Wireless MAC Filter	
Default Policy	Disable ▼

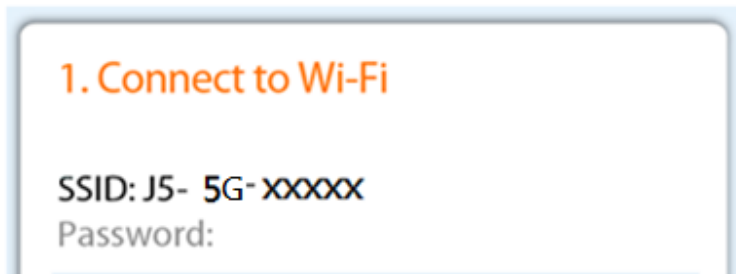
Apply

Remote display: This setting allows you to decide whether users can see your key of wireless login when JWR2100 carries out the wireless projection.

This picture shows the SSID and key you will see on the output screen when you activate to display the verification password/WEP key.



This is the picture you will see on the output screen when the verification password/WEP key is not displayed.



WPS setting:

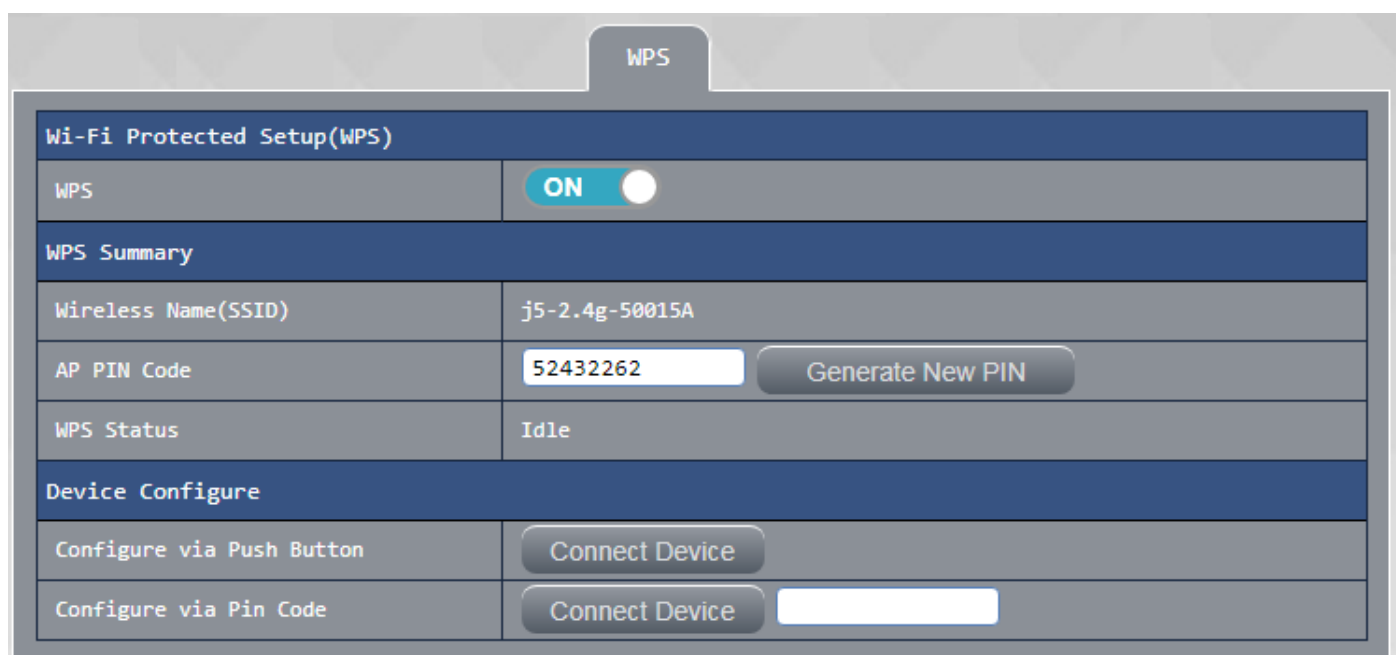
You can connect to the WPS at the user end easily by any of the method below.

Method 1: Press the WPS button on the router and the one on the wireless card at the user end to wait for the connection.

Method 2: Enter the pin number of base station at the user end and wait for the connection.

Method 3: Press the "Connect to device" button on the interface and the WPS button on the wireless card at the user end to wait for the connection.

Method 4: Obtain the pin number at the user end, enter it in the "Connect to device via pin number" and press "Connect to device" to wait for the connection.




### Workstation list:

This page shows the usage condition of the user connected to the router now.

Station List

**Wireless Network**

MAC Address	Aid	PSM	MimoPS	TX Rate	RSSI	Last RX Rate	Connect Time
80:01:84:13:B9:5B	1	1	0	MCS 7 40M, LGI MM		MCS 7 40M, LGI MM	00:07:18

Refresh

### Statistics

This page allows you to check the Wi-Fi package transmission. You can press “Reset” or “Refresh” to obtain the current data.

statistics

**Transmit Statistics**

Tx Success	649
Tx Retry Count	0
Tx Fail After Retry	284
RTS Successfully Receive CTS	0
RTS Fail To Receive CTS	0

**Receive Statistics**

Frames Received Successfully	14756
Frames Received With CRC Error	8308


**Signal-to-noise ratio(SNR)**

Signal-to-noise ratio(SNR)	n/a, n/a, n/a
----------------------------	---------------

ResetRefresh

## Internal network setting

Go to the "Advanced setting" at the left side of the setting page and click on the internal network to enter the advanced setting page of the internal network. You can make advanced settings for the internal network of router on this page, such as the host name, network address, network mask, and manual or automatic settings for the DHCP server. After modification, press "Apply" for the change of setting to take effect.

 Local Area Network

### Local Area Network

#### Setting LAN

HostName	<input type="text" value="J5-500158"/>
IP Address	<input type="text" value="10.10.10.254"/>
Subnet Mask	<input type="text" value="255.255.255.0/24"/>
MAC Address	<input type="text" value="00:05:1B:50:01:58"/>
<input type="checkbox"/> 802.1d Spanning Tree	<input type="checkbox"/> LLTD
<input type="checkbox"/> IGMP Proxy	<input type="checkbox"/> UPNP
<input type="checkbox"/> Router Advertisement	<input type="checkbox"/> DNS Proxy
DHCP Server	<input checked="" type="checkbox"/> ON
Start IP	<input type="text" value="10.10.10.100"/>
End IP	<input type="text" value="10.10.10.200"/>
Subnet Mask	<input type="text" value="255.255.255.0/24"/>
Primary DNS Server	<input type="text" value="8.8.8.8"/>
Secondary DNS Server	<input type="text" value="8.8.4.4"/>
Default Gateway	<input type="text" value="10.10.10.254"/>
Lease Time	<input type="text" value="86400"/>
Statically Assigned	
MAC Address	<input type="text" value="xx:xx:xx:xx:xx:xx"/>
IP Address	<input type="text" value="xxx.xxx.xxx.xxx"/>
MAC Address	<input type="text" value="xx:xx:xx:xx:xx:xx"/>
IP Address	<input type="text" value="xxx.xxx.xxx.xxx"/>
MAC Address	<input type="text" value="xx:xx:xx:xx:xx:xx"/>
IP Address	<input type="text" value="xxx.xxx.xxx.xxx"/>

If you want to assign a specific IP to a specific machine, you can assign it manually. We allow you to assign 3 IP addresses manually. You can enter the MAC address of a device in the "Mac Address" field and enter the IP you want to assign into the "Network Address" field.

☆ Reminder

Make sure that the IP address and router address must be in the same network segment.

-----

## External network setting

Click on the external network to enter the advanced setting page for the external network. This mode supports the static mode (fixed IP), dynamic mode (IP obtained automatically), PPPoE (float IP) and PPTP (P2P protocol). After completing the setting, press "Apply" for the change of setting to take effect.



Wide Area Network

Choose a mode you want

Choose a mode you want

PPPOE

User Name

Password

Connection Type  Auto disconnect timeout:  minutes

## IPv6 setting

The JWR2100 wireless router supports IPv6, such as the static IPv6, quick tunneling deployment (6RD), double tunneling protocol (DS-Lite) and PPPoEv6. After completing the setting, press "Apply" for the change of setting to take effect.



IPv6

Setting IPv6

Connection Type

- Disable
- Static IP Connection
- Tunneling Connection (6RD)
- Tunneling Connection (DS-Lite)
- PPPoEv6

## Virtual private network

The JWR2100 router supports the VPN. Your internal network can connect to the WAN via router by activating this function. A device in the external network can send or receive data like in the internal network. After completing the setting, press "Apply" for your setting or change to take effect.

**VPN Server**

Enable PPTP Server  ON

Setting VPN

Login Username

Login Password

Server IP Address 10.10.10

Client IP Address 10.10.10  ~

## Firewall setting

The JWR2100 router supports the firewall function for your internal or external network to become connected. Valid users can access the network via firewall mechanisms including MAC/IP/Port filter setting, port forwarding, DMZ setting, content filtering, port triggering setting and virtual mechanism. This function prevents invalid users from breaching your network security. It protects the data and provides defense and filtering functions. After completing the setting, press "Apply" for your setting or change to take effect.

**Firewall**

Virtual Server Port Trigger Setting Content Filtering DMZ Settings

MAC/IP/Port Filtering Setting System Security Port Forwarding

Basic Settings

MAC/IP/Port Filtering

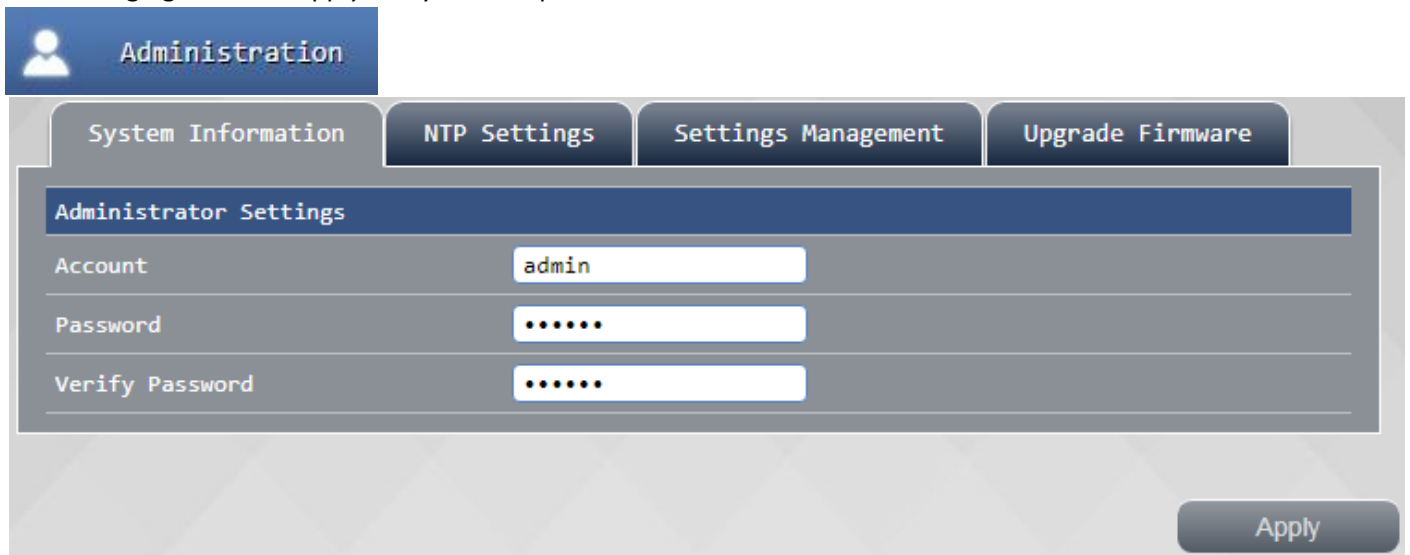
Apply

## System management

In this page, you can set/change the administrator account and password of your router, time setting, backup or import of the file used in the router, and the upgrade of router firmware. After completing the setting, press "Apply" for your setting or change to take effect.

## System information

In this page, you can change your registration account and password of administrator. Check your password again after changing it. Press "Apply" for your new password to take effect.



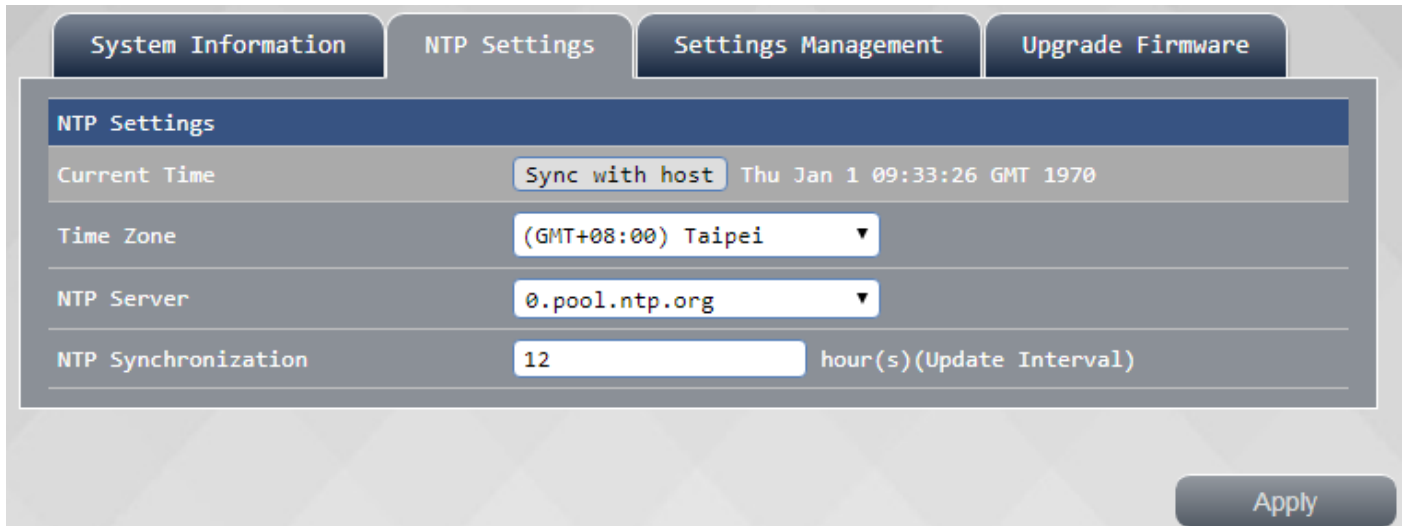
The screenshot shows a web interface for system administration. At the top left, there is a blue header with a user icon and the word "Administration". Below this, there are four tabs: "System Information", "NTP Settings", "Settings Management", and "Upgrade Firmware". The "System Information" tab is currently selected. Underneath the tabs, there is a section titled "Administrator Settings" with a dark blue header. This section contains three input fields: "Account" with the text "admin", "Password" with six dots, and "Verify Password" with six dots. At the bottom right of the interface, there is a dark blue button labeled "Apply".

Administrator Settings	
Account	<input type="text" value="admin"/>
Password	<input type="password" value="....."/>
Verify Password	<input type="password" value="....."/>

Apply

## NTP setting

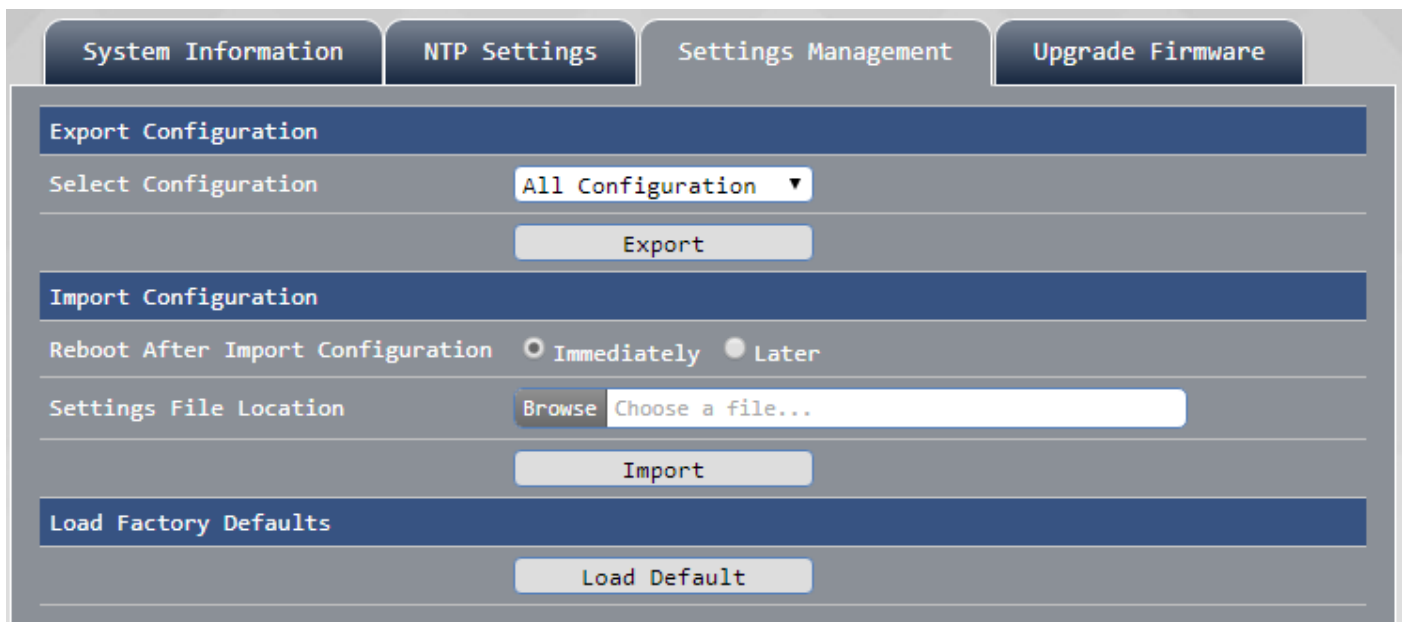
Use this NTP setting function to set your time and time zone of your router. Press "Apply" for your new setting to take effect after change.



The screenshot shows the 'NTP Settings' page within a router's configuration interface. At the top, there are four tabs: 'System Information', 'NTP Settings', 'Settings Management', and 'Upgrade Firmware'. The 'NTP Settings' tab is active. Below the tabs, the page is titled 'NTP Settings'. There are four main configuration rows: 1. 'Current Time' with a dropdown menu set to 'Sync with host' and a text field showing 'Thu Jan 1 09:33:26 GMT 1970'. 2. 'Time Zone' with a dropdown menu set to '(GMT+08:00) Taipei'. 3. 'NTP Server' with a dropdown menu set to '0.pool.ntp.org'. 4. 'NTP Synchronization' with a text input field containing '12' and the label 'hour(s)(Update Interval)'. At the bottom right of the page, there is an 'Apply' button.

## Configuration management

In the configuration management page, you can export the current setting of your router for backup or import your previous setting. Click "Load the default setting" to reset the router to the default setting if necessary. Click to confirm the selection and the router will reboot.



The screenshot shows the 'Configuration Management' page within a router's configuration interface. At the top, there are four tabs: 'System Information', 'NTP Settings', 'Settings Management', and 'Upgrade Firmware'. The 'Settings Management' tab is active. Below the tabs, the page is titled 'Export Configuration'. There are three main sections: 1. 'Export Configuration' section with a dropdown menu set to 'All Configuration' and an 'Export' button. 2. 'Import Configuration' section with radio buttons for 'Reboot After Import Configuration' set to 'Immediately', a 'Browse' button next to a text field 'Choose a file...', and an 'Import' button. 3. 'Load Factory Defaults' section with a 'Load Default' button.



## Upgrade firmware

You can upgrade the firmware of your router or display port (HMID/VGA) in this page if any firmware update for the router is available for download.

The router will reboot automatically after the update is complete. The firmware update will be completed after reboot.

The screenshot shows a web interface with four tabs: 'System Information', 'NTP Settings', 'Settings Management', and 'Upgrade Firmware'. The 'Upgrade Firmware' tab is active. It contains two identical sections. The first section is titled 'Upgrade Firmware' and the second is 'Upgrade Remote Display Firmware Ver:'. Each section has an 'Image File Location' label, a 'Browse' button, a text input field with 'Choose a file...' placeholder, and an 'Update' button.

## System log

In this page, you can check the reports on the LAN of the router, wireless network connection, memory usage and network traffic.

The screenshot shows a web interface titled 'System Log'. It has three tabs: 'System', 'Memory', and 'Network'. The 'System' tab is active. It displays a table of system information, internet configurations, local area network, wireless 2.4G, wireless 5G, and screenwave display details.

System Information	
System Uptime	2:41

Internet Configurations	
Connection Type	DHCP (Auto Config)
IP Address	192.168.1.113
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
Primary DNS Server	8.8.8.8
Secondary DNS Server	168.95.1.1
MAC Address	00:05:1B:51:F2:52

Local Area Network	
IP Address	10.10.10.254
Subnet Mask	255.255.255.0
MAC Address	00:05:1B:54:15:A6

Wireless 2.4G	
Network Mode	11b/g/n mixed mode
Wireless Name (SSID)	J5-2.4G-B6E915
Security Mode	WPA/WPA2 Personal
MAC Address	00:05:1B:B6:E9:15
Current Channel	Channel 11

Wireless 5G	
Network Mode	11ac/n
Wireless Name (SSID)	J5-5G-B4F8E2
Security Mode	WPA/WPA2 Personal
MAC Address	00:05:1B:B4:F8:E2
Current Channel	Channel 157

ScreenWave Display	
Version	

# Chapter 4: Introduction of the wireless projection function

The JWR2100 router comes with the j5create wireless projection function. The user can project the screen of platforms such as Windows/Mac/iOS/Android onto the HDMI/VGA output screen via the wireless signal of router. Follow the setting below to create your wireless projection environment.

## Requirement for the wireless projection environment

Windows: Windows10, 8.1, 8, 7 (32-bit or 64-bit)

Mac: 10.9 or later

iOS: iOS 9.0 or later

Android: 5.0 or later

The router can display up to 9 devices on the screen at the same time.

## Voice output

Windows can support the voice output.

For Android 6.0 and above, you need to connect the router to the keypad to support the voice output.

Neither Mac or iOS supports the voice output.

## Wireless projection setting

Connect the HDMI/VGA screen to the router. The following image shows on the screen. Please follow the installation instructions for each system.

**1. Connect to Wi-Fi**

SSID: J5-5G-xxxxxx  
Password: 12345678

---

SSID: J5-2.4G-xxxxxx  
Password: 12345678

**2. Set up for your device**

**Android/iOS :**  
Download App

Android/iOS

**Mac/Windows :**  
Plug "JWR-BTN"  
USB key pad

Launch App in  
the pen drive

Mac/Windows

USB Type-C or  
USB Type-A

JWR-BTN  
USB key pad

Computer

Devices with Removable Storage (1)

JWR2100 (H:) 3.48MB Free of 15.9 MB

## Introduction of keypad function

Hardware keypad:



Connect the keypad to Windows/Mac/Android.



is the fullscreen/screen minimization function. Click twice to return the screen projected to the preview screen of JWR2100.



On the projection preview screen, you can select the location of the screen being output.

If you click these buttons while using a document, you can check the upper/lower page of the document or scroll the document, depending on the document attribute.

app Key Pad:



Use the Key Pad app in Android.



Project



Stop



Pause projec



Full screen



Minimize screen



Move to left/up



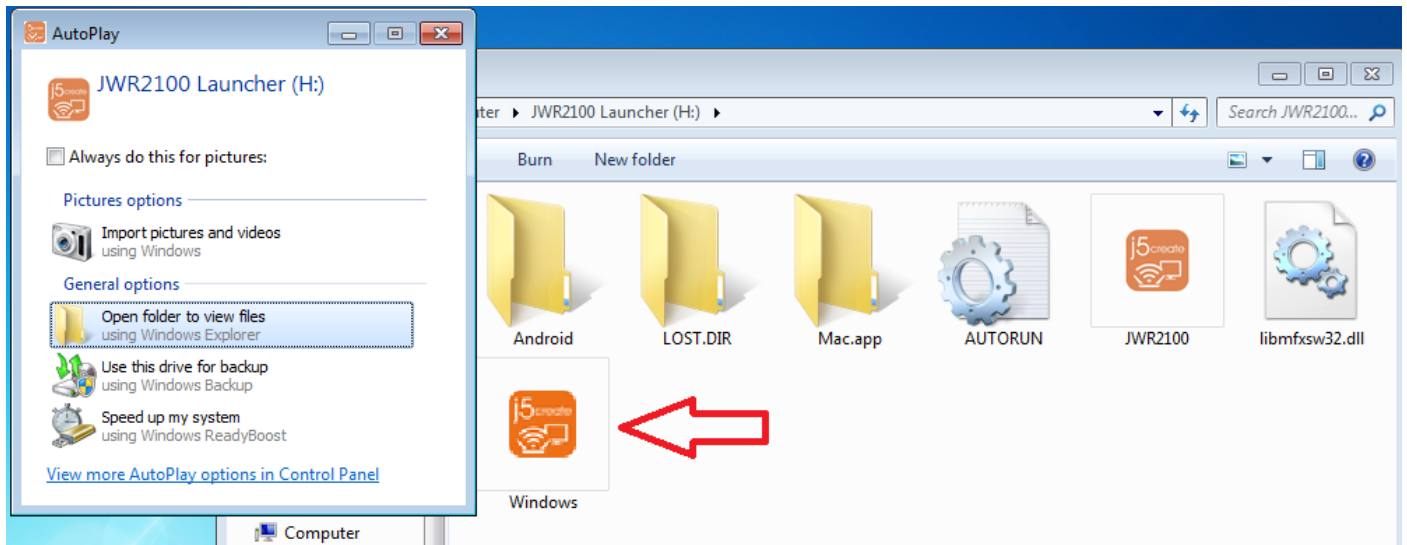
Move to right/down

On the projection preview screen, you can select the location of the screen being output.

If you click these buttons while using a document, you can check the upper/lower page of the document or scroll the document, depending on the document attribute.

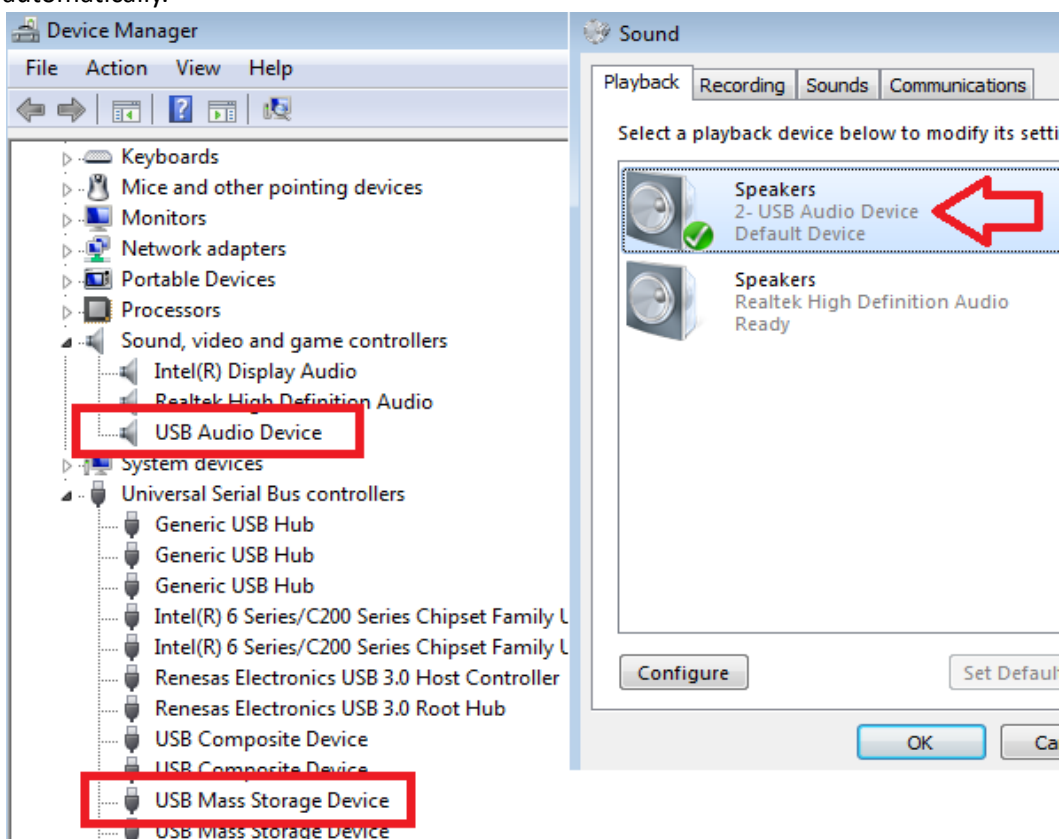
## Keypad installation in Windows

Set the Wi-Fi signal source in Windows to the 2.4G or 5G signal sending through the JWR2100 router. After making sure that the connection is made, insert the keypad into the USB port. The LED of keypad is illuminated. Insert the HDMI or VGA cable of the monitor into the display port of the JWR2100 router, where the signal will be output to. Now, check the SSID and password for the connection of JWR2100 remote display on the display monitor. Click on the "Windows.exe" executive file in the keypad you inserted. This file will carry out connection in your system and synchronize the Windows screen to the monitor. To end the projection, please remove the keypad by following the procedure for safe USB removal.



## In Windows, the voice outputs from the keypad

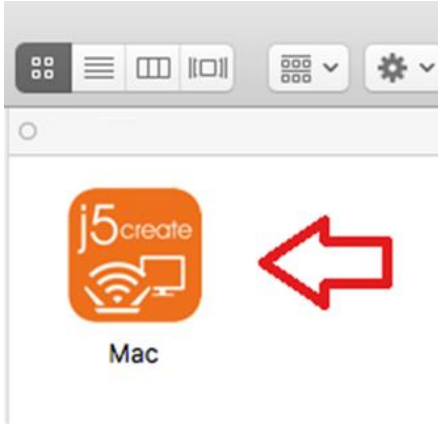
To output the voice from the router via the keypad, insert the keypad to Windows. The default voice output port of Windows will be changed in the way that the voice will be output from the keypad to the router. From the device administrator section, you can see how the USB Audio Device and USB Mass Storage Device are created. The default setting of the voice will be changed in the way that the voice will be output from the HDMI/Audio port of the router instead. After the removal of keypad, the voice output of Windows will be returned to the default setting of Windows automatically.



### Keypad installation in Mac

Set the Wi-Fi connection source in Mac to the 2.4G or 5G signal sending through the JWR2100 router. After making sure that the connection is made, insert the keypad into the USB port. The LED of keypad is illuminated. Connect the HDMI or VGA cable of the external monitor to the display port of the JWR2100 router. Check the SSID and password for the connection of JWR2100 Remote display on the display monitor.

Click on the "Mace" executive file, which carries out the keypad program in your system. It will cooperate with your keypad hardware to control the output screen. To end the projection, please remove the keypad by following the procedure for safe USB removal.



#### ☆ Reminder

If the light of "j5create" on the key pad is illuminated but no image is output after the driver is installed, your system is not connected to any wireless signal of the JWR2100 router.

### Keypad installation in Android

Connect the wireless signal of the Android device to the Wi-Fi SSID of the JWR2100 router. Refer to the SSID and password shown on the output screen. (The external monitor shows the SSID for 2.4G and 5G for the Remote Display. The default password 12345678 will show for the first connection.)



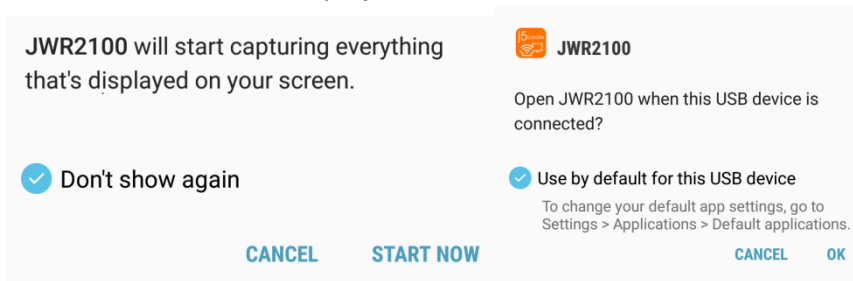
A two-column installation guide for the JWR2100 keypad. The left column, titled "1. Connect to Wi-Fi", lists two SSID and password options: "SSID: J5-5g-xxxxxx Password: 12345678" and "SSID: J5-2.4g-xxxxxx Password: 12345678". The right column, titled "2. Set up for your device", is divided into two sections. The top section, "Android/iOS: Download App", shows a smartphone connected to the JWR2100 router and icons for Google Play and the App Store. The bottom section, "Mac/Windows: Plug 'JWR-BTN' USB key pad", shows a laptop connected to the JWR2100 router via a USB Type-C or Type-A cable, and the JWR-BTN USB keypad. A screenshot of a Windows File Explorer window shows the JWR2100 folder with the j5create app icon.

Go to Google Play to download "JWR2100" App after making the connection.



JWR2100  
j5create (Kaijet Technology)

The following dialogue window will appear after installation and execution. Check "Do not show this again" and click "Start" to use the wireless projection function.



### Voice output in Android

To output the voice on the Android device from the display port of JWR2100, insert the keypad via the USB adapter. The dialogue window below shows on the program. Check "Use for this USB device by default" and click "OK" to output the voice on the Android device from the HDMI/Audio port of JWR2100.

☆ Reminder



Click **JWR2100** to execute the JWR2100 App if it is not executed automatically.

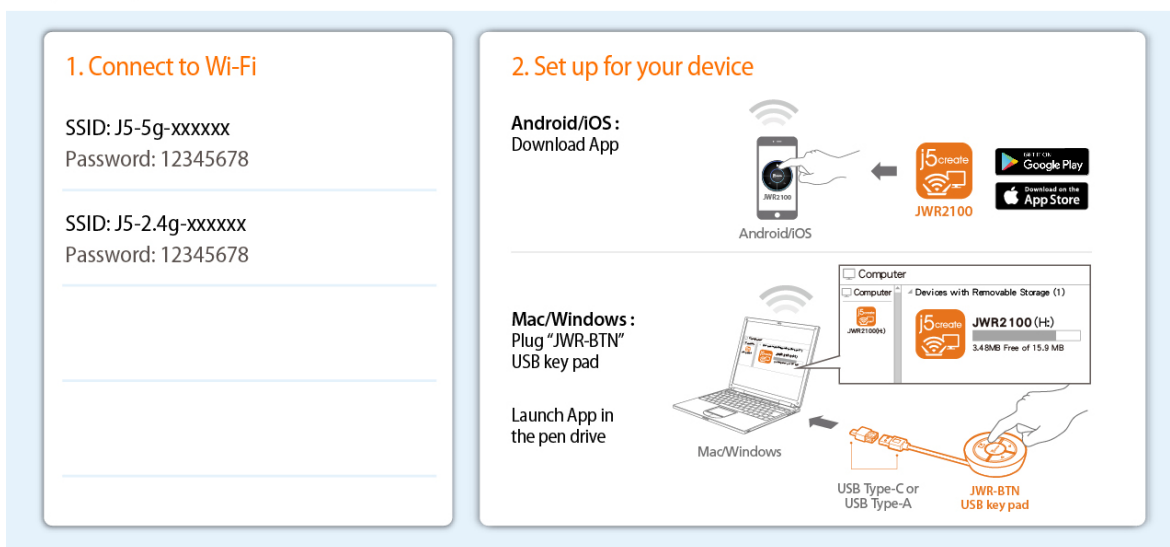
### Key Pad for iOS, keypad installation/use

**Caution! Due to the limitation of iOS, the video playback function of the Key Pad for iOS App can only be used on the Key Pad for iOS App.**

Connect the wireless signal of the iOS device to the Wi-Fi SSID of the JWR2100 router. Refer to the SSID and password shown on the output screen. (The external monitor shows the SSID for 2.4G and 5G for the Remote Display. The default password 12345678 will show for the first connection.) Go to Apple Store to download "JWR2100" app after making the connection. You can use the wireless projection function after installing and executing the app.



JWR2100



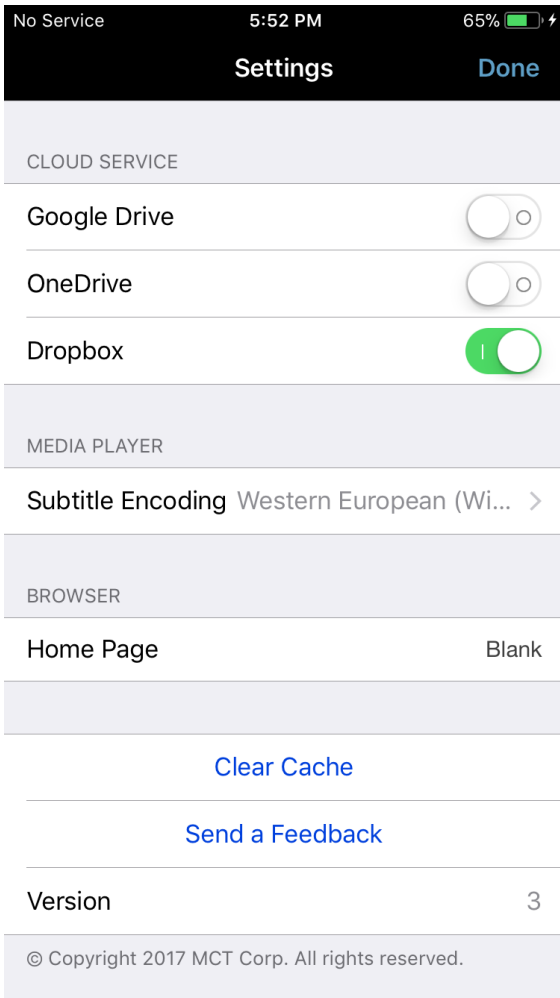
The following is the description for the interface of Key Pad for iOS App:



iPhone wireless setting



App setting



Browse the file in the path of the Key Pad for iOS App.



Browse the photo in the path of the Key Pad for iOS App.



Play the video shot by the camera.



A browser is built in the Key Pad for iOS App. You can output the image under this browser to the screen.



You can connect to the cloud network service you applied for and access files stored on the cloud, such as videos, photos and documents.



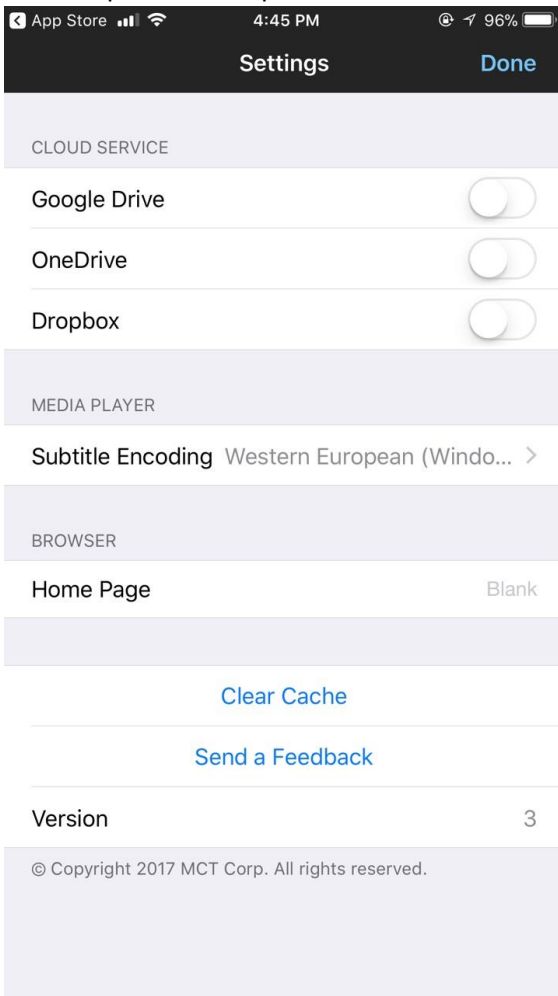
Output the screen of Key Pad for iOS App to the monitor.



Stop the image output.



Expand the output screen to full screen view.



App cloud service switch, media player caption code, clear app temporary archive settings

☆ Reminder

Install iTunes if you wish to add/manage files.



# Chapter 5: Troubleshooting

Q1: The computer cannot find the wireless router.

A1:

1. Check if the wireless card in your computer is activated. Please reactivate it if disabled.
2. Check if your wireless card can acquire the IP address dynamically.
3. Check if the physical connection of network is correct and check if the setting regarding the wireless connection of the JWR2100 router is accurate.

Q2: What should I do if I forgot about the wireless password?

A2: Log in the router and reset your 2.4G / 5G wireless signal. It is suggested to use the "WPA2-Personal" security setting when resetting the password of wireless signal. This is the safest authorization method for now.

Q3: The computer cannot go online via the wireless connection with the router.

A3:

1. Check if the SSID and password of the wireless router are correct.
2. Check if the computer can find the name (SSID) of the wireless router.
3. Make sure that you've set that your wireless card will receive the IP address automatically.
4. Check if your computer can go online while there is a cable connecting to the wireless router.
5. Check if the light on the router for wireless connection is illuminated.
6. Check if the wireless function of the router is activated.
7. Check if other wireless devices have the same problem.

Q4: The wireless connection gets disconnected easily.

A4:

1. Check if the firmware version of the wireless router has been updated to the latest version.
2. Try to switch the wireless channel to the one with less interruption.
3. Make sure there is no object near the wireless router that would interrupt the wireless signal, such as the microwave, wireless phone, transformer box...etc.
4. Make sure there is no object near the wireless router that would block the wireless signal, such as the iron cabinet, iron door or concrete wall. Also, make sure that the wireless router is not placed inside a sealed cabinet, on the ground or behind the sofa.
5. Please try to put the wireless router somewhere else. For example, it is suggested to put it on a wooden cabinet or a desk. You can also place it near the area with poor connection or the center of the house to see if the connection gets better.

Q5: The light for wireless connection is not illuminated.

A5:

1. Go to the setting page to check if the wireless function is activated.
2. Check if the firmware version of the wireless router is the latest version.
3. Try to return the router to the default factory setting.

Q6: The light for WAN is abnormal.

A6:

1. Check if the firmware version of the wireless router has been updated to the latest version. (Contact the j5 customer service center to check the version.)
2. Check if the WAN port of your wireless router is connected properly.
3. Check with your Internet service provider (ISP) to see if the network works properly.

Q7: The computer cannot connect to Internet via the router.

A7:

1. Check if the WAN port of your wireless router is connected properly.
2. Make sure that you've set the network card of your computer will receive the IP address automatically.
3. Check if your computer can go online in other network environments.
4. Check with your Internet service provider (ISP) for the connection setting and relevant information.
5. Connect your computer to the network provided by the Internet service provider (ISP) to see if you can go online.
6. Check if the firmware version of the wireless router has been updated to the latest version.
7. Return the wireless router to the default factory setting.

There is a "Reset button" at the back of the router. While the router is turned on, press and hold the "Reset button" for more than 5 seconds and wait for the power light to flash. Release the "Reset button" and wait for the reboot to complete the reset process.

8. After returning to the default setting, login again to execute the quick installation guide of the router to complete the setting.

Q8: The USB printer can't be used.

A8:

1. Check if the firmware version of the wireless router is the latest version.
2. Check if the printer driver is installed.

Q9: The USB drive cannot be recognized.

A9:

1. Check if the firmware version of the wireless router has been updated to the latest version.
2. Connect the hard drive to the computer to see if it can be read.
3. Test if other external hard drives can be recognized.
4. Ask the customer to backup important data if necessary.
5. Reformat the hard drive and connect it to the router to test if the hard drive can be read.

Q10: The mobile phone cannot detect the network signal shared by the router.

A10:

1. Check if the firmware version of the wireless router has been updated to the latest version.
2. Turn off the wireless switch of the mobile phone and turn it on again to see if the mobile phone can detect the signal.
3. Reboot your mobile phone and router to see if the problem is solved.

Q11: I cannot enter the interface of wireless router:

A11:

1. Please connect the wireless router properly via a cable first.
2. Make sure that you've set the network card of your computer will receive the IP address automatically.
3. Make sure that the proxy setting of your web browser is not turned off. Turn off the proxy setting if it is on.

4. Return the wireless router to the default factory setting and try to open the setting page. There is a "Reset button" at the back of the router. While the router is turned on, press and hold the "Reset button" for more than 5 seconds and wait for the power light to flash. Release the "Reset button" and wait for the reboot to complete the reset process.

※Note: If you return the router to the default factory setting, you must reset all settings.

Q12: The firmware update for the router/keypad fails.

A12: Please Contact with customer service center.

Q13: What are the video/image formats that can be transferred via the USB drive?

A13: Image: JPEG

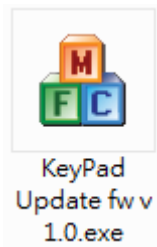
Audio: mp3, wma, wav, pcm, mp4, lpcm, ogg

Video: asf, avi, divx, mpeg, mpg, ts, vob, wmv, mkv, mov

Q 14: How to upgrade the firmware of keypad?

A 14:

1. Use Windows to upgrade the firmware.
2. Please download the update firmware "KeyPad Update fw" of Key Pad from the support website for j5.
3. Insert your keypad to the USB port of your PC/NB and execute the update.
4. Do not remove the keypad during update. After the message notifying the completion of update, remove the keypad to complete the update procedure.



Q15: Is HDMI or VGA the main output port?

A15: HDMI is used as the main output port when both HDMI and VGA are connected.

Q16: When I insert the keypad, Windows tells me that it is suspicious. What's the problem?

A16: The antivirus software has made mistakes. Please change the setting to prevent the antivirus software from detecting your keypad.

Q17: Why does the screen turn black when playing the video with HDCP?

A17: The JWR2100 router does not support the digital content protection (HDCP).

Q18: After my Android phone is connected to the keypad, why is there no response or voice output?

A18: Only phones with Android 6.0 and above support the USB keypad and voice output.

Q19: After my phone with Android 6.0 is connected to the keypad, why is there no voice output?

A19: Some phones cannot output any voice via keypad due to CPU limit, such as Nexus 6P. Please play the audio directly by phone.

Q20: Why Use Keypad to Execute on Windows System

"Windows detected low performance on your computer. It may be because there is not enough resources to perform Windows Aero color configuration."?

A20: The JWR2100 uses GPU resources. Windows 7 default messages suggest that Aero be disabled to improve computer performance.

You can ignore this message and select "Keep current color profile"

Q 21 : Why does my device can not see the 5G SSID?

A 21 : This question indicates that your device currently does not support the JWR2100 default band.

Please go to 5G Settings page → Support channel → modify the settings to Channel 36~48 If the band is already set to channel 36-48 and it still doesn't work, then your device cannot be used in this area.

Q22 : In the mac system, pptp function must be installed third party software to use

### Federal Communication Commission 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 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.

**FCC Caution:** To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

### FCC Radiation Exposure Statement

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter 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.

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.