Operation

To enter the settings mode, press and hold the desired input channel's Antenna Selection key ② for 2 seconds until the input channel's indicator light flashes. Use the Antenna Selection key to cycle through the 3 settings menus as indicated by the Settings Selection Indicator ⑥. Use the Up / Down keys ③ to change the parameters in each settings mode. After setting your parameters in the third settings mode (RF Input), press the Antenna Selection key a final time to save and exit the settings. For a step by step video, please visit rfvenue.com.

Setting Parameters:

▶ RF input attenuation
   Press the up / down key to adjust the input attenuation in 1dB increments.
   0dB: No attenuation
   Maximum attenuation level is - 31dB per input channel

Attenuation of 10dB
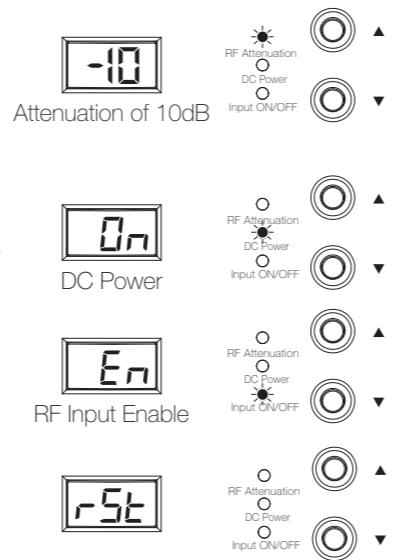
▶ Antenna DC power
   On (applies +12V DC / 200mA to RF input channels for active antennas or in-line amplifiers)
   OFF

DC Power

▶ RF Input ON/OFF
   En: Input Enabled
   dis: input disabled; signal isolation ~ 80 dBm

RF Input Enable

▶ To Return to Default Settings
   1. Turn off the power
   2. Press and hold the Lock Key
   3. Turn on the power while continuing to hold the lock key until the display show rSt

Notes

- This product is designed for combining receive antennas for wireless microphone receivers and is not recommended for use with transmitters.
- Use standard 50Ω coaxial cable.
- An In-Line Amplifier may be used to compensate for losses associated with long runs of coaxial cable. Enable DC power when using amplifiers.
- Adjust the RF input attenuation levels if signals exceed normal ranges of wireless microphone receivers.

Specifications

- Carrier Frequency Range: 470~960MHz
- Full System Gain: 3dB(±3dB)
- Input/Output Impedance: 50 Ω
- A/B Antenna Input:4+4
- OIP3: 35dBm(typ.) @ 2-tone ; Pi=-15dBm/tone
- RF Input Attenuation: -31~0dB (Step:1dB)
- Input/Output Connectors: BNC(F):Input x8 / Output x2
- Functions:
   1. DC Power (for In-Line Amplifier) ON/OFF Control
   2. RF Input Attenuation Control
   3. RF Input Signal ON/OFF Control
- In-Line Amplifier Power: 12V/200mA*8
- Power Supply: 100~240VAC; MAX 2A 50/60Hz
- Dimension(mm): 480mm(W)*45mm(H)*260mm(D)

Read this instruction manual before using.
Keep this instruction manual for future reference.

- Use in a well ventilated area. Do not block any ventilation openings.
- Do not use near heat sources.
- Do not use in humid or dusty environments.
- Turn power off immediately in the event of a spill or if the unit overheats.

Instruction Manual

The 4ZONE is designed to combine multiple pairs of diversity antennas used for wireless microphone receivers. It provides 2 x 4 antenna inputs to maximize coverage areas. It features RF input ON/OFF, input attenuation from 0 dB to -31 dB, DC power for in-line amplifiers or active antennas, and individual input signal ON/OFF control.

Accessories

- AC Power Cable x1
- BNC to BNC coaxial Cable x2

Operating Controls
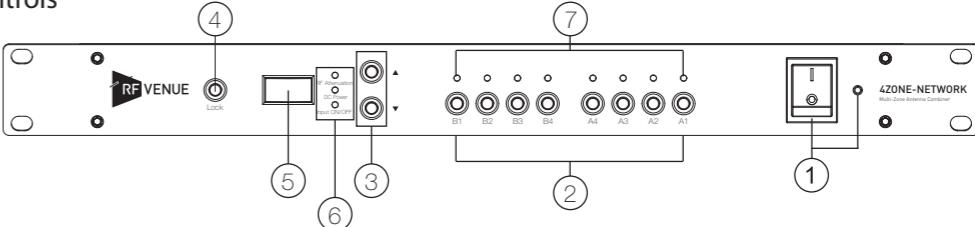
① Power switch and Power Indicator light
② Antenna Selection key: Select the CH to be set, press and hold for 2 seconds to enter the settings mode.
③ Up / Down key: In the settings mode, press the up / down key to select the parameter.
④ Lock key: press and hold for 2 seconds to lock or unlock panel key function
⑤ 3-digit display
⑥ Settings Selection Indicator
⑦ Status indicator: Indicates the current antenna status,

   a. Red: RF input enabled, In-Line Amplifier power on.
   b. Green: RF input enabled, In-Line Amplifier power off.
   c. Off: The antenna input is disabled.
   d. All 8 channels flashing at the same time: Power supply is abnormal. Please shut down immediately.
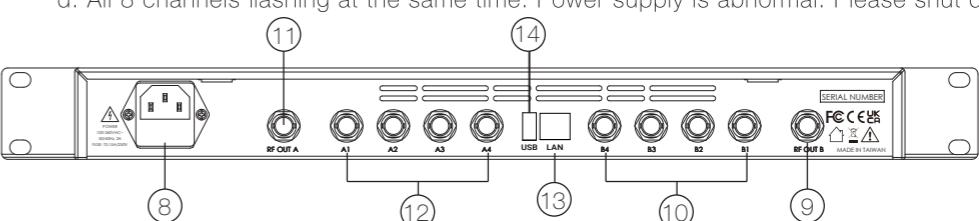
⑧ AC power supply: AC power input: 100 ~ 240VAC, MAX 2A, 50 / 60Hz.
⑨ Antenna B output   ⑬ RJ45 LAN Port
⑩ Antenna B inputs   ⑭ USB-A Port
⑪ Antenna A output
⑫ Antenna A inputs

4ZONE Antenna Configuration

You will need 2 traditional paddle or wall-mount antennas or 1 diversity antenna per zone. (Diversity Architectural Antennas shown)

D-ARC1
Input
A1 & B1

D-ARC2
Input
A2 & B2

D-ARC3
Input
A3 & B3

D-ARC4
Input
A4 & B4

A1 A2 A3 A4   B4 B3 B2 B1

4 ZONE

DISTRO4

Wireless Microphone Receivers
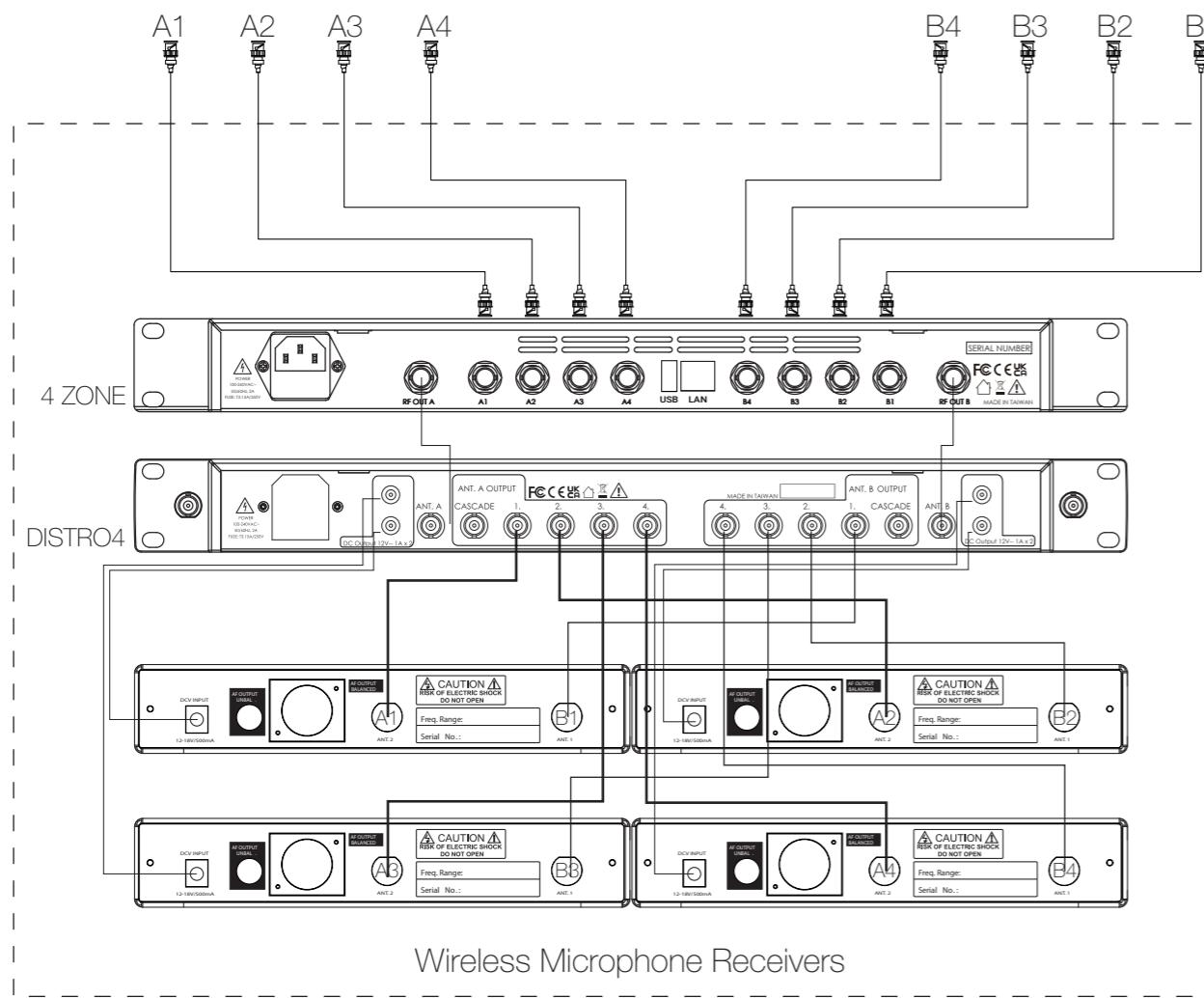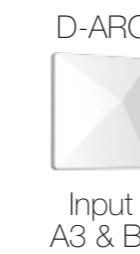
Installation

- Connect the antenna to the antenna inputs of the 4Zone with a coaxial cable. Long cable runs may require an In-Line Amplifier .
- Connect the antenna outputs to the receiver or antenna distributor with a coaxial cable.
- When not in use, store the 4Zone with the power off.

Network Installation

- Use a Cat5 or Cat6 cable to connect the RJ45 on the back panel to a network switch.
- Open a browser window and enter rfv4zone.local as the URL.
- You should see the 4 Zone network user interface page load.

RF VENUE   4 ZONE

▶ Settings

| Default | | Save Preset | | Delete Preset |

A1 — RF Attenuation: 0 — DC Power: OFF — Input ON/OFF: Disabled
A2 — RF Attenuation: 0 — DC Power: OFF — Input ON/OFF: Disabled
A3 — RF Attenuation: 0 — DC Power: OFF — Input ON/OFF: Disabled
A4 — RF Attenuation: 0 — DC Power: OFF — Input ON/OFF: Disabled
B1 — RF Attenuation: 0 — DC Power: OFF — Input ON/OFF: Disabled
B2 — RF Attenuation: 0 — DC Power: OFF — Input ON/OFF: Disabled
B3 — RF Attenuation: 0 — DC Power: OFF — Input ON/OFF: Disabled
B4 — RF Attenuation: 0 — DC Power: OFF — Input ON/OFF: Disabled

- Navigate to settings to see IP address and MAC Address, current Firmware, Hostname, and Dark Theme settings.

▼ Settings

Device IP:	192.168.12.120	Host Name:	rf-venue.local
Device MAC:	22:00:5C:05:25:F1	Device Status:	Connected
Firmware Version:	1.2.6	Dark Theme:	
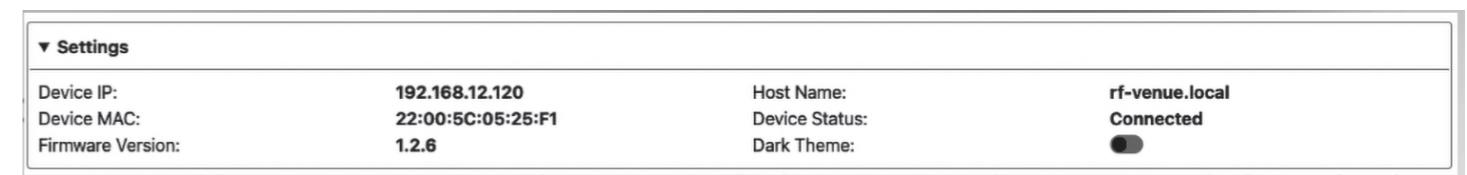
Presets

- Store up to 16 Presets for commonly used settings
- Recall stored presets as needed
- Delete Presets if no longer needed
- Preset Data will include:
  - Attenuation
  - DC On/Off
  - Zone enable/disable
  - For all 4 zones both A&B sides