



SPA-SERIES

DIRECTIONAL ANTENNA FOR WIRELESS MICROPHONE



USER MANUAL

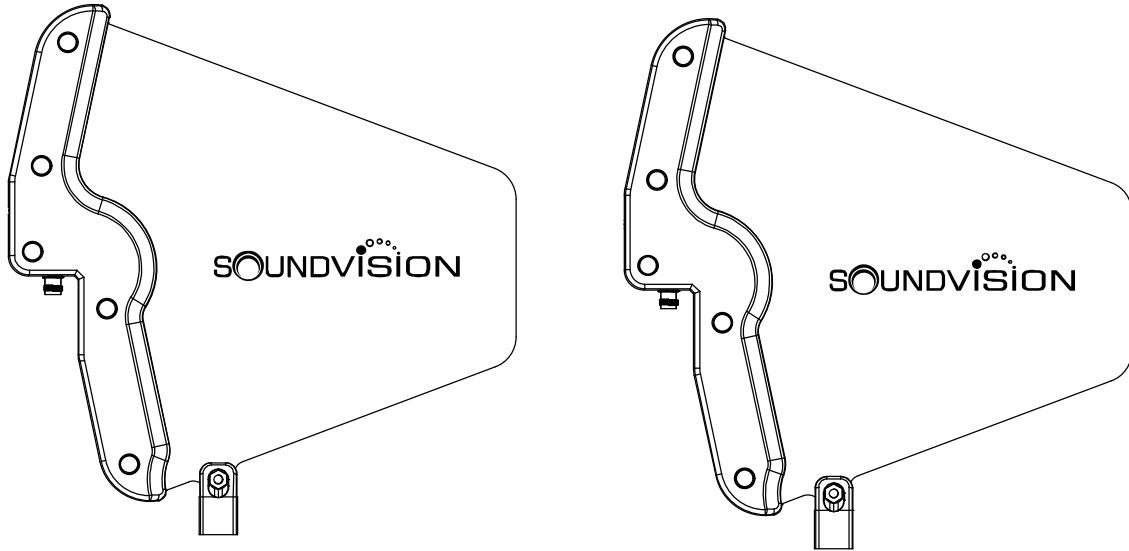
SPA-SERIES

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CAUTIONS:

1. The antenna connector 2 has a 9V DC output. Be cautious of any parts to the antenna or internal antenna cables. To avoid an electric shortage, do not let it touches the case.
 2. It will not function properly if the DC voltage falls below 12V. If it exceeds 15V it will damage internal circuit components.
 3. When using antenna cables and remote antennas, please use standard 50 impedance coaxial cables. The longer the cable, the more loss of RF signal. Do not exceed 6 meters in length. The larger the cable diameter, the minimized loss of the signal. If a longer antenna cable is needed, use a larger diameter cable to reduce the loss of signal through the attenuation in the cabling.
 4. Use 50 impedance coaxial cables between the receiver and the antenna divider system. Best to keep the distance as short as possible. (It is recommended to use the included parts)
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SPA-1000A ACTIVE DIRECTIONAL ANTENNA



INTRODUCTION

SOUNDVISION SPA-1000A Active directional antenna for wireless microphones.

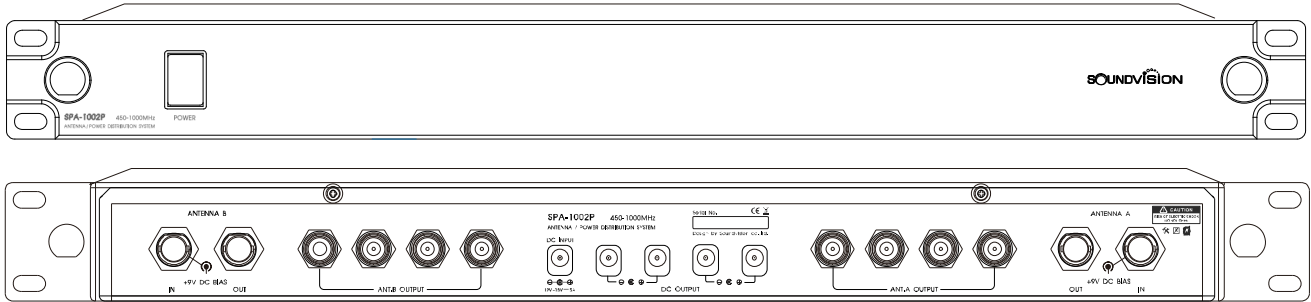
These antennas both improve reception of Wireless transmitter signals and minimize interference receivers with appropriate installed placement.

Supports a professional TNC connector The antenna has waterproof construction and can be used for indoor and outdoor applications.

FEATURES

- Antenna suitable for 470-1000MHz frequency range.
- Supports a professional TNC connector.
- Improved wireless reception (10dB) of active directional antenna gain.
- Reduced interference.
- Improved RF signal-to-noise ratio.
- includes 5 meters cable.

SPA-1002P ANTENNA / POWER DISTRIBUTION SYSTEM



FEATURES

- Antenna suitable for 450 – 1000MHz frequency range.
- Multi-channel receiving system, eliminating the spurious interference in multiple system usage.
- Identifies and assigns optimal frequencies to receiver / transmitter pairs
- With two input sockets, made specially for the receiver using in long distance, can compensate the loss signal which caused by connecting to the receiver with the same cable.

THE INCLUDED ACCESSORIES:

1. SPA-1000A :

TNC-TNC signal cable : 5m 2 pcs.



SPA-1002P :

TNC-TNC signal cable : 50cm 8 pcs.



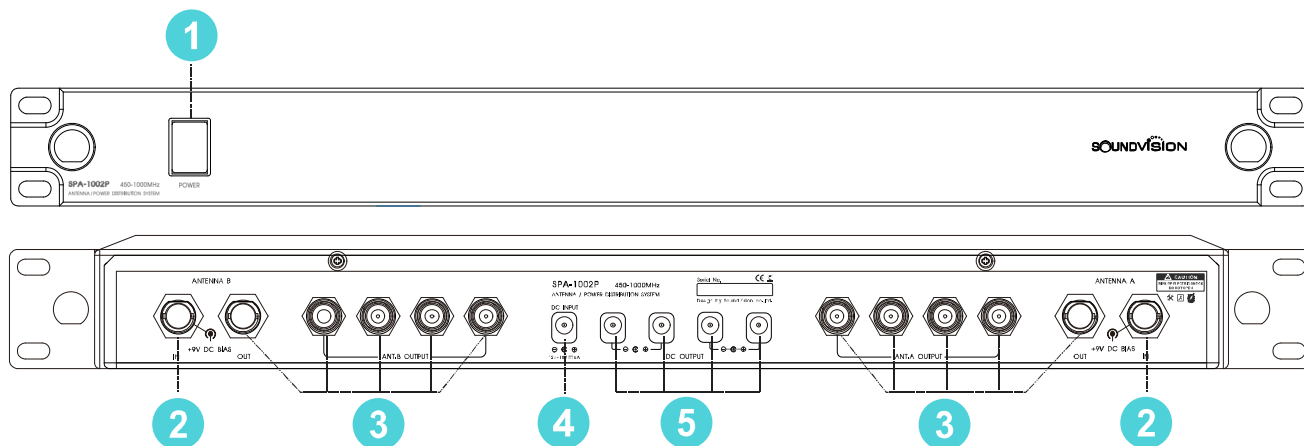
2. Power cable : 50cm 4 pcs.



3. Adapter 1 pc.

4. User Manual 1 Book.

DESCRIPTION PANEL & FUNCTION

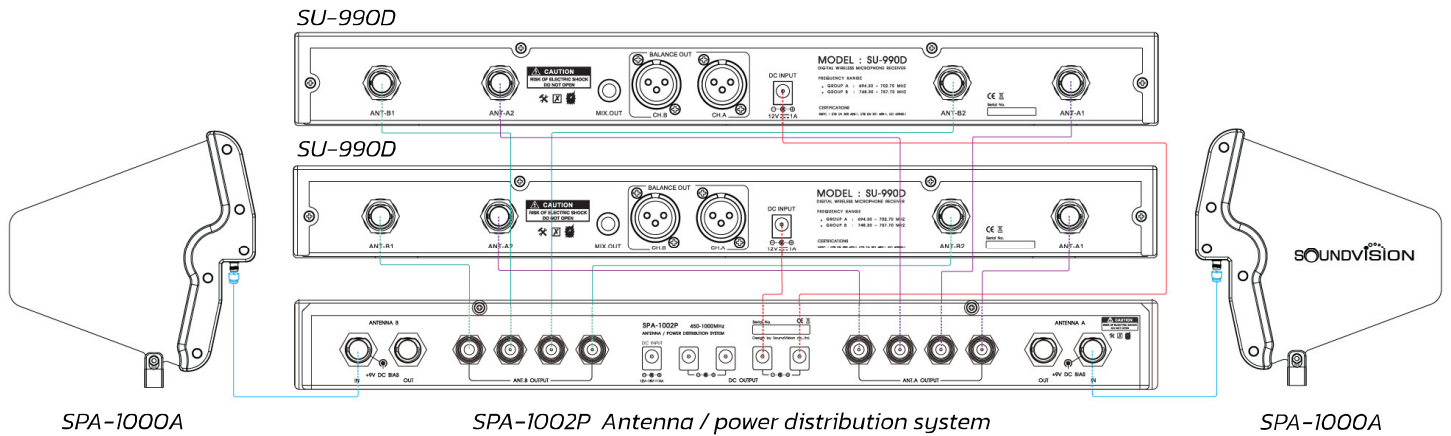


1. Power On/Off Switch: When power-on, the light illuminates.
2. Antenna A/B Input Connectors: To install antennas or antenna extensions.
It provides DC out 9V/100mA.
3. Antenna Distribution Output: The distributed signal outputs for multiple systems.
4. DC Power Input Jack: To connect DC 12V from the DC adapter.
5. DC Output.

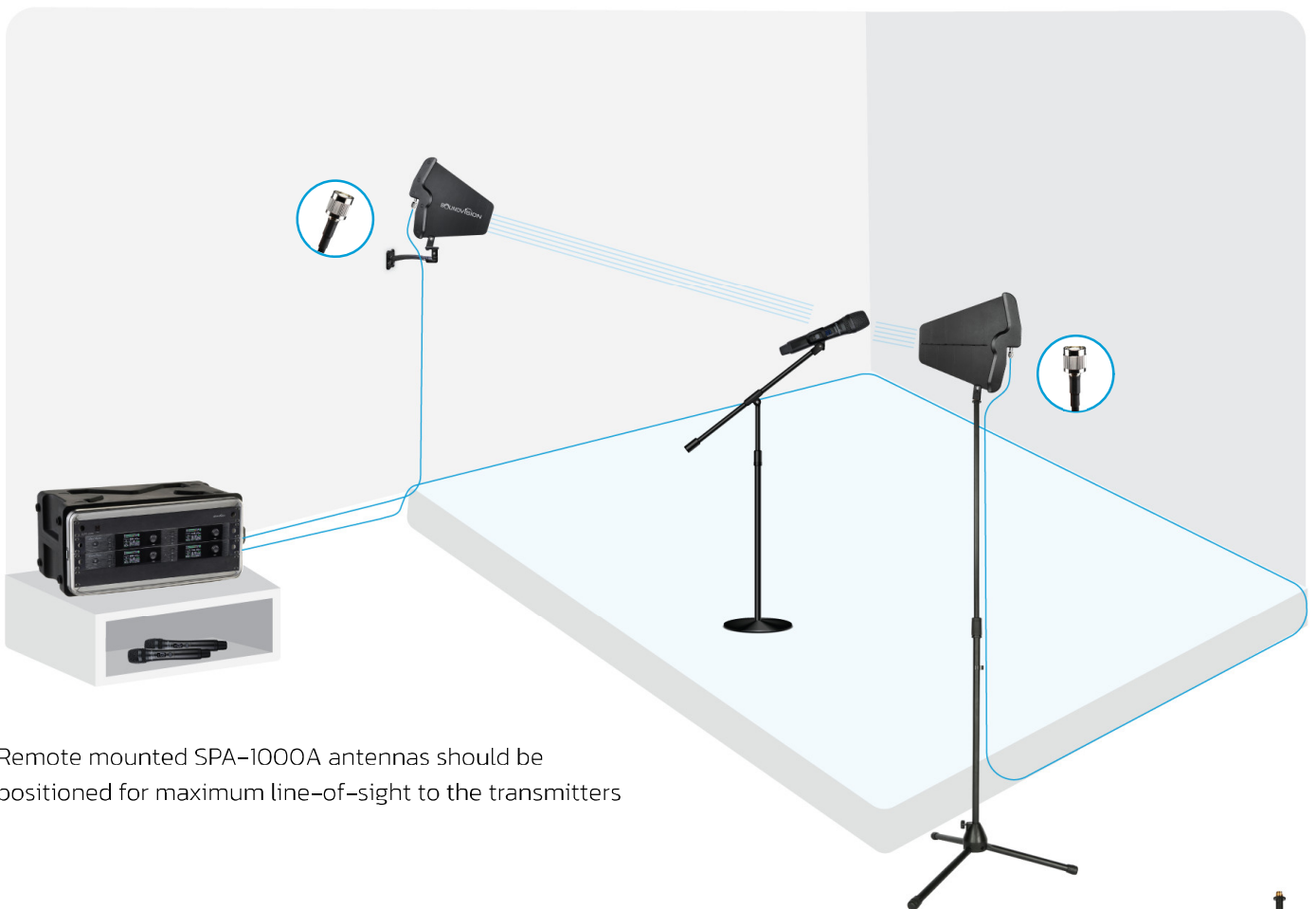
INSTALLATION

1. Use the included antennas and install them onto the antenna connector (2) or insert an extension antenna onto the antenna connector.
2. Align the corresponding cables (included) to each matching output of each receiver.
3. Insert DC lead into the DC socket (4)
4. (5) DC Output, the voltage is equal to the DC inputs.
5. To operate, simply power on the power switch.

EXAMPLE CONNECTION DIAGRAM




TNC ANT. / SPA-1000A (Input) / TNC ANT.A (Output) / TNC ANT.B (Output) / DC output 12V





Remote mounted SPA-1000A antennas should be positioned for maximum line-of-sight to the transmitters

PRODUCTS

- 1. SPA-1000A Active directional antennas.
 - 2. SPA-1002P Antenna / power distribution system.
 - 3. SU-990D-HT (x 2) Digital Wireless Microphones.
- Antenna mounting stand /  TNC connector 5meters cable.

OPTIONALS

- Antenna mounting bracket 
- Antenna mounting stand 

SPECIFICATIONS

SPA-1000A ACTIVE DIRECTIONAL ANTENNA

Frequency Range	470 - 1000 MHz
Voltage Standing Wave Ration (VSWR)	<2:1
Impedance	50 Ω
Antenna Gain	>3 dBi , typical
Efficiency	>50 % , typical
Reception Pattern (3dB Beam Width)	90°vertical, 180°horizontal
Connector Type	TNC, Female
Dimensions (H x W x D)	369 x 361 x 57 mm
Net Weight (include package)	1 kg



SPA-1002P ANTENNA / POWER DISTRIBUTION SYSTEM

450 - 1000 MHz



Power requirements	12V DC
DC output	12V DC (x4)
Output current (total from all DC outputs)	5A maximum
Frequency range	450 - 1000 MHz
Impedance	50 Ω
Antenna input	50 Ω, 9V DC
Antenna output	50 Ω

Operating temperature range	-20 °C to 60 °C
Connector Type	TNC, Female
Dimensions (H x W x D)	549 x 301 x 110 mm
Net Weight (include package)	3.85 Kgs.



TRADEMARK AND LICENSES



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