



## SPA-SERIES

DIRECTIONAL ANTENNA FOR WIRELESS MICROPHONE



# USER MANUAL

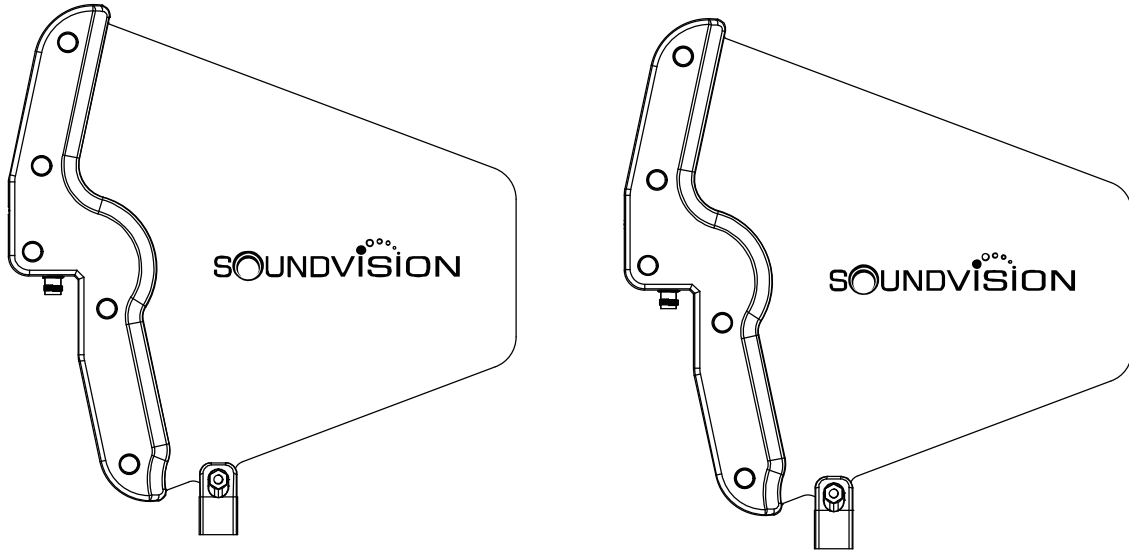
# SPA-SERIES

|                                               |   |
|-----------------------------------------------|---|
| SPA-1000A ACTIVE DIRECTIONAL ANTENNA          | 1 |
| • INTRODUCTION                                | 1 |
| • FEATURES                                    | 1 |
| SPA-1002P ANTENNA / POWER DISTRIBUTION SYSTEM | 2 |
| • INTRODUCTION                                | 2 |
| • FEATURES                                    | 2 |
| • DESCRIPTION PANEL                           | 3 |
| • FUNCTION                                    | 3 |
| • INSTALLATION                                | 3 |
| EXAMPLE CONNECTION DIAGRAM                    | 4 |
| SPECIFICATIONS                                | 5 |
| TRADEMARK AND LICENSES                        | 6 |

## **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.

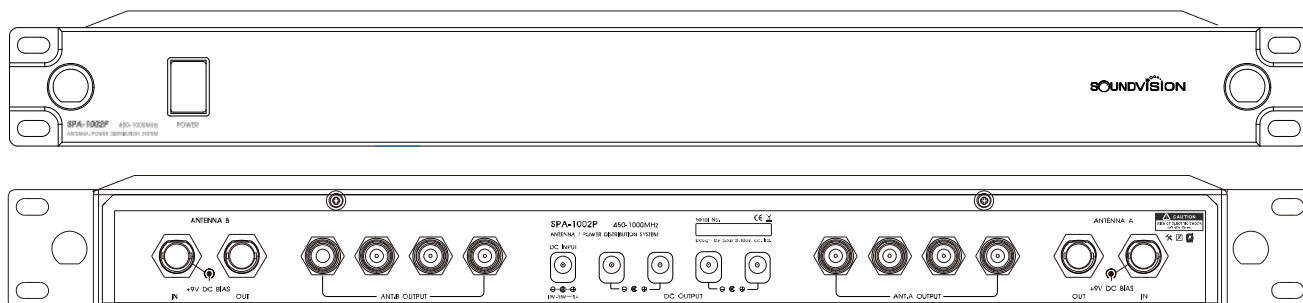
These antennas both improve reception of Wireless transmitter signals and minimize interference receivers with appropriate installed placement.

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.



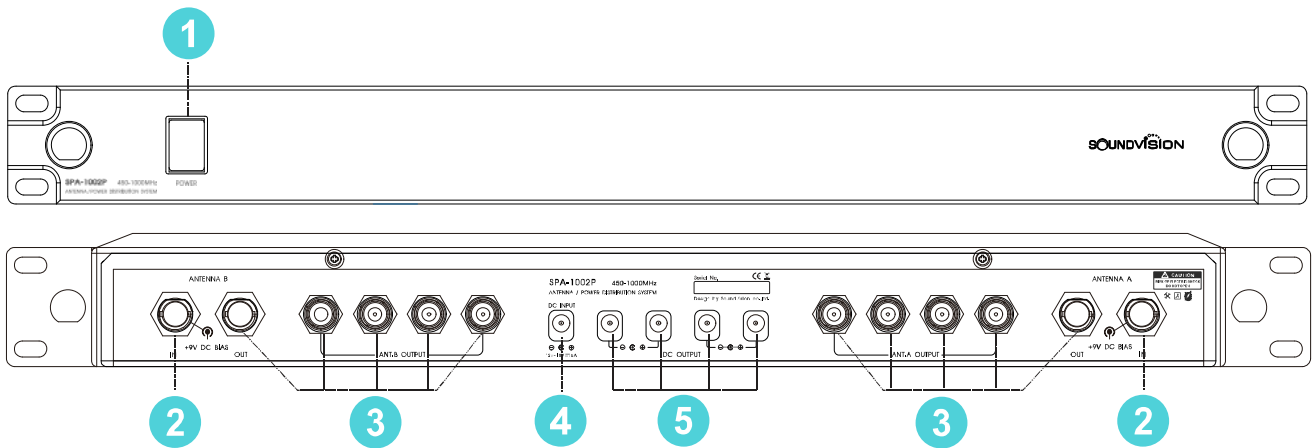
2. Power cable : 50cm      4 pcs.



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.



**SPECIFICATIONS****SPA-1000A ACTIVE DIRECTIONAL ANTENNA**

|                                     |                             |
|-------------------------------------|-----------------------------|
| Frequency Range                     | 470 – 1000 MHz              |
| Voltage Standing Wave Ration (VSWR) | <2:1                        |
| Impedance                           | 50 $\Omega$                 |
| 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<br>(total from all DC outputs) | 5A maximum          |
| Frequency range                               | 450 – 1000 MHz      |
| Impedance                                     | 50 $\Omega$         |
| Antenna input                                 | 50 $\Omega$ , 9V DC |
| Antenna output                                | 50 $\Omega$         |

|                              |                    |
|------------------------------|--------------------|
| 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.          |



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## **TRADEMARK AND LICENSES**



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