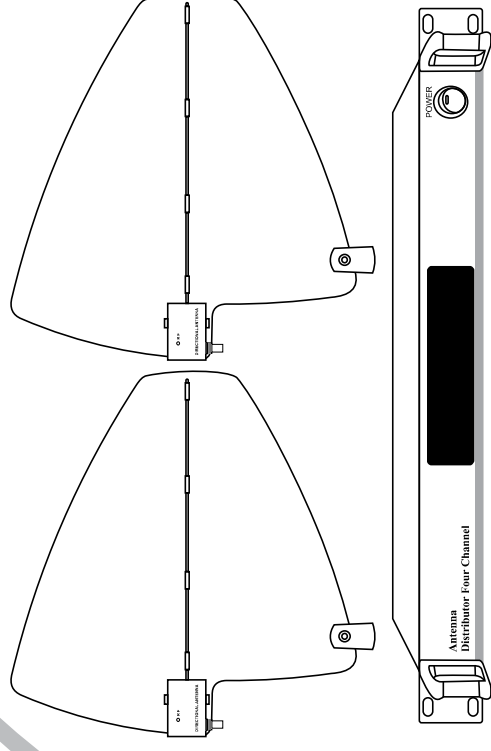


天线放大器说明书

ANTENNA DIVIDER

— Operation manual —



NOTICE

**The specification won't do
and further notice for the improvement
Actual product will not be as pictured**

由于产品在不断改进中，
参数可能更改恕不另行通知图片可能与实
物有差异，应以实物为准

USER INSTRUCTION

Before using this product , please read the
instruction manual carefully and keep it properly
in case for future to use.

在使用本产品之前，
请仔细阅读说明书并妥善保存，以备将来了解需要

Products feature

Active directional antenna using log periodic dipole array to provides two-in-one style high gain receptivity for the wireless system within UHF500-950MHz and the receiving band will cover the whole UHF channel. The design of adaptive directional antenna, provide ideal long distance and stable receiving performance for diversity UHF wireless systems. In addition , it may also be used as a common antenna multi-channel wireless system .

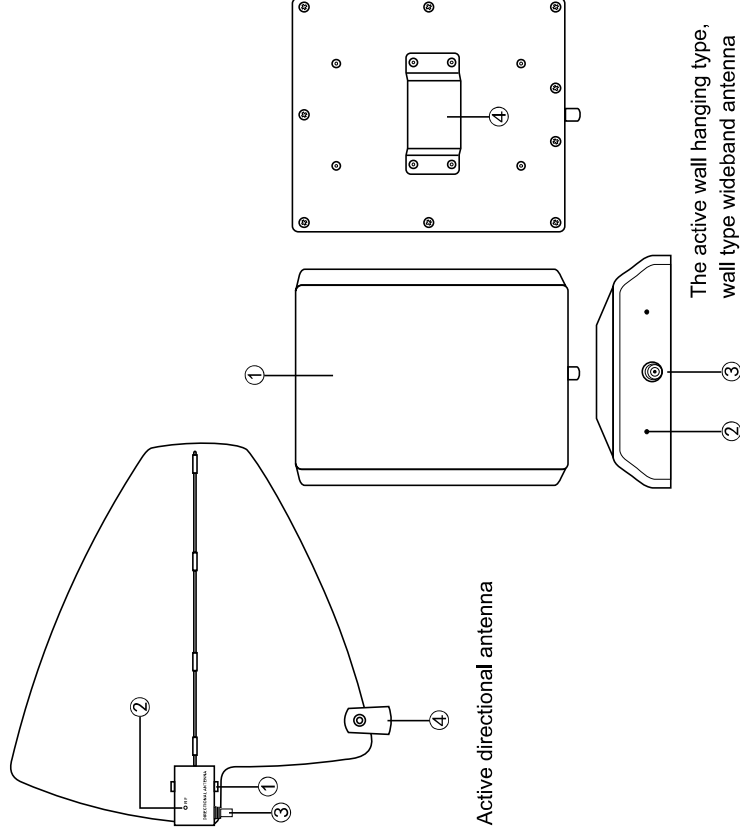
The Antenna Distributor is designed for the application of long distance reception and transmitting, such as gymnasium, concert, theater and large performance venues; or some environment which can be blocked sight and receive. And it is easily to install and remove ,and portable to carried .

The antenna can be roughly used almost all UHF receivers, also provides 180 degree directed reception among fixed frequency. Compare with the standard antennas addition in the receiver, the Antenna Distributor promote about 6dB radio frequency signal when the impedance is 50ohm.

The antenna is made by glass copper and copper film coating, which is durable, anti-corrosion, to prevent UV ray and shocking. It can work for long time steadily in different environment. And the integration BNC terminals can make it high-quality and resist impedance, also reduce the pull of connecting line.

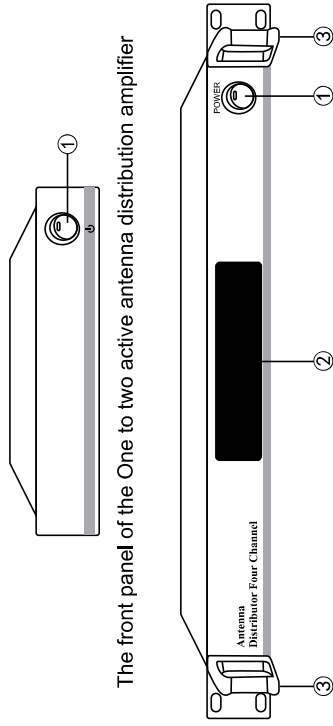
Installation Position

1.The function and name of the antenna parts



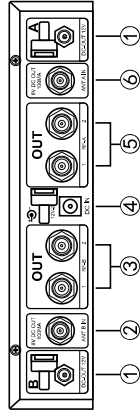
- ① Active antenna amplifier module: expand the signal of receive
- ② RF indicator light: show the working state of antenna
- ③ BNC connector: use the antenna cable is connected to the input receiver with 8V DC power or antenna splitter with antenna input connection seat
- ④ Stand holder
- ★ Active directional antenna: to set up in the tripod
- ★ The active wall hanging type, wall type wideband antenna: for use in the wall hanging type bracket and the stand holder bracket.

2. Active antenna distributor each part of function and name

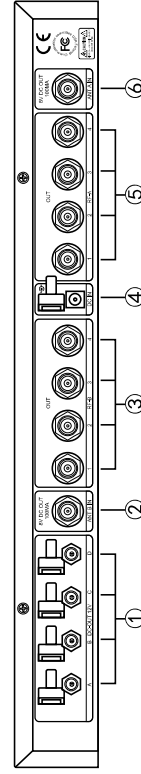


The front panel of the One to four active antenna distributor amplifier

- ① Power switch
- ② Display
- ③ Handle



The back side of the One to four active antenna distributor amplifier

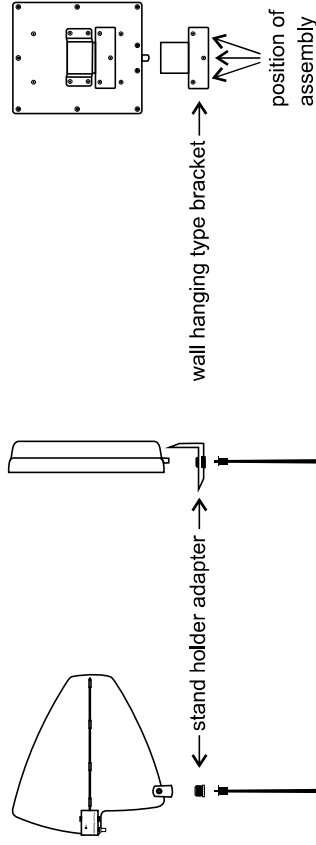


The back side of the One to four active antenna distributor amplifier

- ① DC power output : offer 12 V power
- ② Signal input connector of antenna B: receive the antenna signal , offer 8V power to antenna directly .
- ③ Signal output connector of antenna B: output the antenna signal
- ④ DC power input: antenna distribution amplifier power supply socket
- ⑤ Signal output connector of antenna A: output the antenna signal
- ⑥ Signal input connector of antenna A: receive the antenna signal , offer 8V power to antenna directly .

Installation instructions

1. Put the stand holder on the tripod or wall type bracket



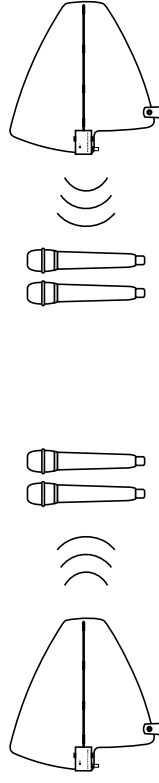
(picture 1: tripod)

(picture 2 : wall hanging type bracket)

2. The two teams will be the joint of BNC ③ active antenna and antenna splitter antenna signal input interface of B ② or A ⑥ connection using the antenna coaxial cable.

3. Turn on the power switch of antenna distributor , if the RF light is on , it means the antenna and active amplification module work normally
4. Put the antenna A signal output interface and A receiver antenna by coaxial cable connection , and put the antenna B signal output interface and B receiver antenna by coaxial cable connection , turn on the receiver and the transmitter .

5. Adjust the antenna direction angle to the right position, you can get the best performance



(picture 4: wrong)



(picture 4: wrong)

Notice :

1. The antenna should be installed above the height of 1.8 meters
2. The position of the antenna to be located in the transmitter and the surrounding greater than the position directly range within 1.5 meters without obstacle (The signal source of large metal products or interference)
3. Connected to the coaxial cable or antenna receiver distributor try to be short
4. The antenna can be affected by weather environment, for outdoor use, please put the antenna work in dry place, moisture and rain will affect the efficiency and security of BNC connector and coaxial cable

Directional antenna technology index :

Antenna type : Log periodic dipole array (LPDA) antenna
The working frequency band : 500MHz-1GHz
Working voltage : 8V DC
Gain : 6dB typical , maximum 10dB
Impedence : 50 Ω , typical
VSWR : ≤ 1.7 :1
Direction : Oval 180° typical
Direction Polarity : Vertical
Number of segments for wave guides : 11segments
Connecting terminal : Fixed right-angle BNC pcb jack
Weight : 310gram
Dimension : 348mm \times 325mm \times 25mm
Structure : glass copper and copper film coating
Coating : dusky black

Antenna distribution amplifier technology index :

Antenna distributor : One divided to two / one divided to four
The working frequency band : 500MHz - 1GHz
Gain : 6-10dB
Working voltage : DC 12V 2A / DC 12V 3A
The output of external power supply : DC 12V 800MA

Spare parts lis:

- 1.Adapter (TNC turn to BNC)
- 2.DC connect cable
- 3.Wall hanging type bracket
4. Stand holder adapter
5. User manual
6. Coaxial cable
7. The power adapter

接线图
Connection diagram

