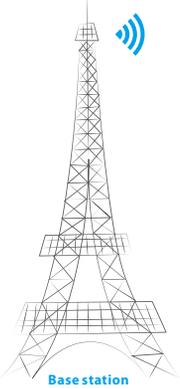




Product features

- ◆ Full duplex communication mode, high uplink / downlink isolation.
- ◆ Receiving amplifier tube with the ultra low noise, ensuring that the conversation quality is clear and reliable.
- ◆ Automatic level control technology, which is well protected the host.
- ◆ Using the high gain & high linear power amplifier to improve the product linear and reduce the disturbance of base station.
- ◆ Reasonable heat dissipation, artistic structure and suitable size.
- ◆ Small size, easy installation, flexible installation according to specific application occasions.



Outdoor active antenna



Indoor cell phone single repeater

Installation Steps

1. Install the outdoor active antenna and ensure that the position can receive a better signal.
2. Use the outdoor active antenna to connect the indoor host computer through coaxial line.
3. Adjust the indoor host 's position and ensure that the distance between the indoor host and the outdoor antenna is more than 5m.
4. Connect the power adapter to the 220V mains , then connect it to the indoor host computer through USB cable.
5. Reboot the telephone to check whether the signal situation becomes good or not. If not, please adjust the position of the outdoor antenna.
6. Try to make call to see whether the communication signal by phone is clear and fluent or not. Adjust the indoor and outdoor antenna position depending on the circumstances.



1. Separate the outdoor antenna with magnetic clasp



2. Fix the magnetic clasp with screws or sponge rubber on the wall



3. Align the antenna with the magnetic clasp and push it down to stick the magnetic clasp, then connect the coaxial line.



4. Separate the host with the magnetic clasp.



5. Fix the magnetic clasp with screws on the ceiling or the wall.



6. Align the host and the hole site of the magnetic clasp to anticlockwise twist and fix it, then connect the power supply until the light is on.

Installation Notes

- A、 When installing the outdoor active antenna, it's position should be able to receive a good signal.
- B、 The re-transmission signal of indoor amplifier can't be received by outdoor antenna. Ensure that the distance between the indoor host computer and the outdoor antenna greater than 5m.
- C、 Indoor amplifier is for indoor use only .Please avoid moisture and water.

Technical Parameters				
Product model	TS-1C	TS-3C	TS-5C	TS-8C
Working system	Band1	Band3	Band5	Band8
Working frequency	UL: 1920 ~ 1980 MHz DL: 2110 ~ 2170 MHz	UL: 1710 ~ 1785 MHz DL: 1805 ~ 1880 MHz	UL: 824-849MHz DL: 869-894MHz	UL: 890-915MHz DL: 935-960MHz
Gain	UL:55dB+/-5 dB DL:55dB+/-5 dB			
Output Power	UL: biggest10dBm+/-2 dB			
	DL: biggest10dBm +/-2 dB			
Noise factor	≤6dB			
Fluctuation band	≤10dB			
Delay time	≤5μs			
Spurious emission	9KHz-1GHz:≤36dBm/100KHz			
	1GHHz-12.75GHz:≤-30dBm/1MHz			
SWR	≤2.2			
Third-order intercept	≤-36dBc			
Impedance	50Ω			
Connector	N Male			
Structure Size	Indoor amplifier : 150 (diameter) *25 (height) mm			
	Outdoor Active Antenna : 120 (length) *60 (width) *25 (height) mm			
Weight	0.52kg			
Power	AC:110-240V DC:5V 1A (Use the power adapter)			
Coverage	300-1000(Empty) square meters (as the case)			

Operation place

Suitable Place

