



*Thank you for choosing our series CDMA cell phone repeater!
Our series repeater use to amplify the signal for mobile phones to ensure easy communication with others, even in the areas where the signal is very weak.*

CDMA

AT-600C

1. FUNCTION

People communicate with mobile conveniently in modern communication. But regrettly because of the shadow effect of the wireless transmission and the buildings shielding effect on the electromagnetic wave, when people enter some spaces, such as hotel, office building, tunnel, parking lot, etc., mobile communication signal become impossible so that people enter into those spaces would miss some information or business chances for mobile phone cannot receive signal normally.

AnyTone series CDMA cell phone repeater is a very effective equipment that can offset the covering shortage of the base station of the mobile network, expand the coverage of the base station and fill the signal zone to ensure the convenient communication. As per different demand, we have developed a series of repeaters, 500, 600, 608, 700, 800, 900, their indoor coverage is respectively 100m², 300m², 500m², 600m², 1000m², 3000m².

AnyTone series CDMA cell phone repeater works at duplex: not only receive the signal from base station then divert to mobile phone after amplifying but also receive the signal from mobile phone then divert to base station after amplifying.

2. FEATURES

Indoor Coverage: 300m²

Adopt duplex design, practical, beautiful and easy to install

Good reliability, meets the standard of GB6993-86

The compatibility of electromagnetism meets the standard of ETS300 609-4

3. TECHNIQUE SPECIFICATION

Frequency: Up Link: 824~849MHz

Down Link: 869~894MHz

Output Power: UL: 15dBm (3rd≥40dB)

DL: 15dBm (3rd≥40dB)

Gain: UL: 50dB DL: 60dB

Coverage: 300m²

Group Delay: ≤1.5 μs

Spurious Emission of Out-band: ≤-40dBm

Impedance: 50Ω

Power Supply: AC 220V (AC 110V)

Working Temperature: -25°C to +55°C

Humidity: 5~95 %

4. STANDARD ACCESSORIES



A. AT-600C CDMA Cell Phone Repeater



B. Outdoor antenna (including 10-meter standard cable)
(High gain Yagi Antenna 9dB)



C. Indoor omnidirectional antenna (2.5dB)



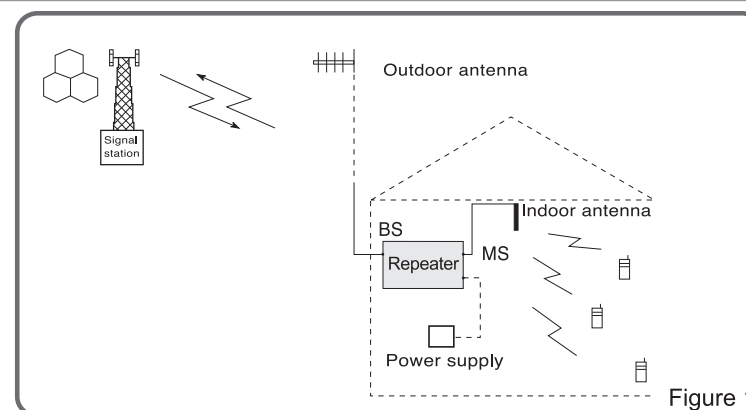
D. 5-meter standard cable



E. Power supply (DC 10V)

5. PICTURES FOR INSTALLING

As Figure 1. It adopts single indoor antenna to meet the demands of the whole indoor coverage system which is suitable for the narrow and simply-distributed indoor space.



As Figure 2 and Figure 3: Distributor, expanding amplifier and several antennas compose the indoor coverage system. The specific application should be at the disposal of specific design in order to meet the demand of signal coverage in large indoor area with complicated distribution.

Note: Power ON after installing the indoor and outdoor antenna correctly !

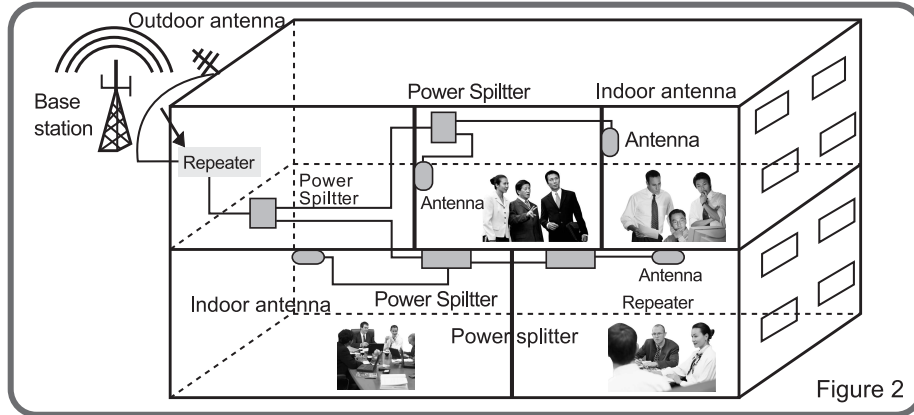


Figure 2

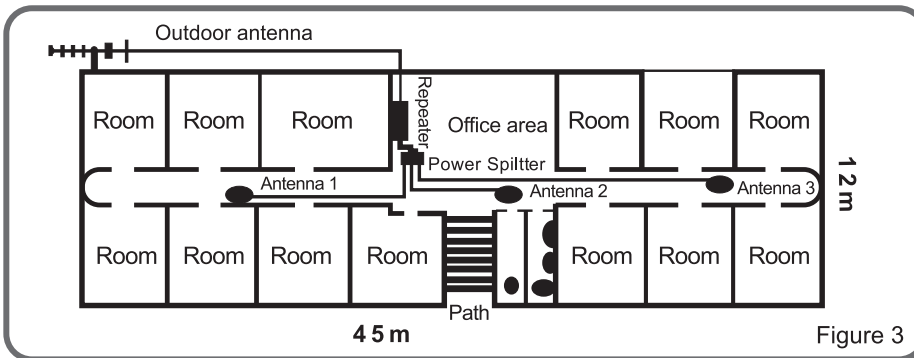


Figure 3

6. NOTICE FOR INSTALLING

- In case of any interference, the indoor antenna should be installed away from the outdoor antenna, at least 5m.
- The indoor antenna should be installed at least 2m away from floor, as usual, it will be installed vertically to the floor on the ceiling. Identify the proper position for practical and beautiful looking, as well make it easily to balance the coverage of the signal.
- In case of the downsizing of the indoor signal coverage caused by the oxidation because of damp, all the joint should be sealed with waterproof tape.
- In order to reduce the wastage and enlarge the coverage, when installing, keep the cable as short as possible.

- Installing outdoor antenna on the safe direction and position with the strongest signal on the top of the building or surrounding. It would be more maintainable to keep it near the repeater and away from the barrier, keep the outdoor antenna away from the high frequency aerial, high voltage cable, or metal net, be ware of avoiding suffering from thunder and lightning strike.
- Adjust the outdoor antenna with the strongest signal, it would be better detect the base station position.
- Tie a circle in the cable to avoid water filtering into the repeater through the cable resulting in short circuit.

7. INSTALLING

- After identifying the position of outdoor antenna, indoor antenna and repeater. Plug the outdoor antenna joint into the interface in the BS side of the repeater and fasten it.
- Plug the joint of the indoor antenna into the MS side of the repeater and fasten it.
- Connect with the power supply, if the indicator lights that means the installing is completed.

8. TEST AND ADJUSTMENT

Test with the mobile phone everywhere indoor. When the signal indication of the mobile phone show 3 to 4 marks (5 marks is full) at the corner of the room which means the best receivability. Otherwise the position of the repeater and indoor antenna should be re-adjusted. Adjust the position of the outdoor antenna until the mobile get stronger signal. If it stays the same after doing that, choose another model such as AT-700/AT-800 which can achieve the larger coverage.

9. FAQ

- Could not communicate though it is installed completely.
Usually, maybe the antenna joint or the outdoor antenna installed incorrectly, or chose the wrong place of the outdoor antenna. Make sure the outdoor antenna should connect with BS side while indoor antenna should connect with MS side. Plug the cable smoothly while installing, hold the rear of the joint and then fasten the screw cap. Adjust the position, direction and elevation of the outdoor antenna.
- The signal is strong in some locations, weak in some locations.
That means the distributed unevenly due to wrong installation of indoor antenna. Re-install it.
- The signal everywhere is weak.
As per the first item mentioned above, check whether the antenna installed correctly, or chose the better repeater. Contact with us to change another repeater with higher capacity.