

# AnyTone



## CARRIER REPEATER

Thank you for choosing Anytone series CDMA cell phone repeater! Anytone 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.

### 1. Summary

## AT-408C

Nowadays, people use mobile phone everywhere. But regrettly because of power waste of the wireless transmission, different environment and also the shadow effect from buildings, there will be some weak signal zones, even bland zones around every CDMA signal station. It can lead to lose so many business chances, especially when you are driving on the way.

AT-408C is specific design for vehicle use. It can amplify the signal inside the vehicles. It adopts advanced filtrating technology, full-duplex design with high isolation between uplink and downlink. In order to keep perfect communication environment, it works with flexible range of auto-adjustment for electronic level and also high-quality amplifier to ensure free communication for people inside vehicles.

**Notes: For sake of safety, do not use mobile phone when driving.**

### 2. Function

For vehicle use

Duplex design, beautiful and easy to install

Good reliability, meet the standard of GB6993-86

The compatibility of electromagnetism meets the standard of ETS300609-4

### 3. Technique specification

Frequency: Up Link: 824-849MHz Down Link: 869-894MHz

Output Power: (3 rd ≥ 40dBc) UL: 5bDm DL: 5dBm

Gain: UL: 45dB DL: 35dB

In-band Ripple: ≤ 2.5dB

Group Delay: 1.5us

Spurious Emission of Out-band: ≤ -40dBm

Impedance: 50Ω

Power Supply: DC12V~35V (with socket for cigar lighter)

Working Temperature (°C) : -25°C to +55°C

Humidity (%): 5~95 %

**It's used for vehicles which cathode grounds.**

### 4. Standard accessories



A. AT-408C CDMA Carrier Cell Phone Repeater (with socket for cigar lighter)



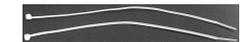
B. Out-of-car antenna



C. In-car antenna



D. Mounting for out-of-car antenna



E. Nylon strap

### 5. Installation

**Note: Power on when finish installing out-of-car antenna and in-car antenna.**

1. Choose a suitable place (for example, under the seat of driver.....)

We send out the device with glue and nylon strap, please clear and dry where you want to install this device, put up nylon strap tightly on the right position, then stick the device firmly, if it is allowed, will be better to fasten the nylon strap.

2. Plug the in-car antenna into interface of in-car antenna in the device smoothly and tighten it.

3. Open the back carriage of vehicles and loosen the two screws of the mounting for out-of-car antenna, then embeds the mounting for out-of car antenna into the cover of back carriage, after that, tighten the screws firmly. Finally plug the out-of-car antenna into the interface of out-of-car antenna in the device and fasten the screws tightly.

4. Connect the power with cigar lighter in vehicles, the indicators in the device lights, which means it can work normally now. If you do not want to use the device for a long time, cut off the power from cigar lighter in vehicles.

# AnyTone

## CDMA™ CARRIER REPEATER

感谢您选用Anytone系列 CDMA中继台产品。AT系列中继台用于增强手机信号。让您即使在信号极微弱的地方也能够随时随地与外界保持联系。

### 1. 功能

在信息时代的今天，手机已是您和外界保持联系不可或缺的通讯工具，居家旅行都离不开它。但是，手机的通信是利用无线媒介来传送信息的。由于电磁波的传输损耗，使每个基站的信号覆盖范围是有限的，以及网络的分布情况和建筑物的屏蔽效应或地理环境等因数的影响，会造成很多区域信号微弱甚至没有信号的盲区，使您无法与外界保持联系而丢失重要的信息，误商机。在行车途中这种情况尤为显现。我公司针对这情况而开发新型CDMA移动式中继设备AT-408C。

AT-408C能有效的提高行车中车厢内的CDMA信号。它用先进的数字滤波技术，带外抑制特别好；全双工工作，具有很高的上/下行隔离度；AT-408C选用先进的大动态范围电平自动处理和优质的线性放大器，保证乘车人员有良好的通讯环境；两端口标准设计，接口单一对应，安装极为方便。

**特别提示：为了您和他人的安全，行车时驾驶员切不可使用手机。**

### 2. 功能特点

AT-408C这款机型为车载设备。  
全双工设计，美观实用，易安装。  
参照GB6993-86标准，可靠性高  
电磁兼容性符合ETS300609-4标准

### 3. 技术指标

频率范围：上行 824~849MHz 下行 869~894MHz  
输出电平：(3rd≥40dBc) UL:5dBm DL:5dBm  
增益：UL:45dB DL:35dB

带内波动：≤2.5dB  
群时延：1.5us  
带外杂散发射：≤-40dBm  
特性阻抗：50Ω  
输入电源：DC 12V~35V（配汽车点烟器插头）  
工作环境温度(°C)：-25°C to +55°C  
工作环境湿度(%)：5-95%

**本产品使用于电池负极搭铁的车辆。**

### 4. 标准配件



A. 主机（附保险丝点烟器插头）



B. 车外天线



C. 车内天线



D. 车外天线座



E. 尼龙扣带

### 5. 安装步骤

**注意：必须正确接好车内外天线后，才能开启电源。**

1. 将主机安装在驾驶员座位下，或车内您认为适宜的地方。  
本机已为您备好强力贴胶和尼龙扣带，安装前，请先用蘸有洗洁精的毛巾先清洗车上要安装本机的部位，再用清水毛巾擦除洗洁精，然后再用干毛巾擦除水渍，待晾干后，撕下本机强力贴胶的红色保护膜，将本机平妥的贴在安装部位上即可，若条件许可可扣上尼龙扣带效果更佳。
2. 将车内天线平顺的插入主机上的车内天线接口，拧紧车内天线上的锁紧螺母。
3. 打开后行李箱，松开天线座的两个锁紧螺丝，将车外天线的天线座嵌入行李箱箱盖，锁紧天线座的两个锁紧螺丝。将天线引至主机上的车外天线接口，平顺插入，拧紧天线接头的锁紧螺母。
4. 将主机的电源线插头插入汽车上的点烟器。主机上的指示灯亮即可。  
如果您准备长时间不使用中继器，可将点烟器电源插头拔下。