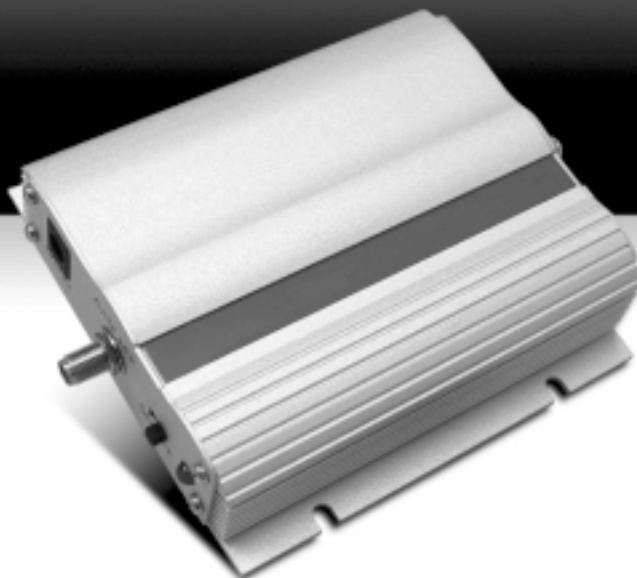




Car Booster CB Series

User's Manual

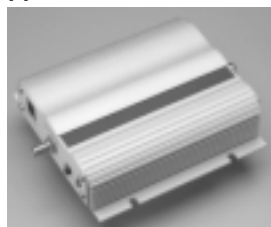


Version 1.2 January 2004



Car Booster and Optional Booster

Supplied



Car Booster

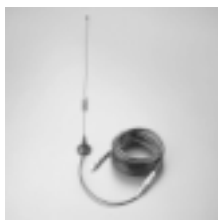


Car Charger

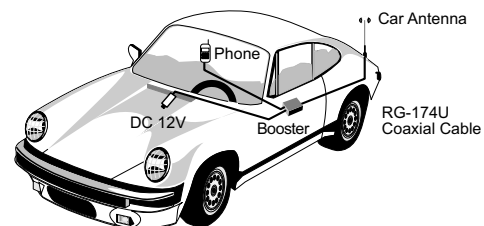


Jumper Cable

Optional Accessories



Car Antenna



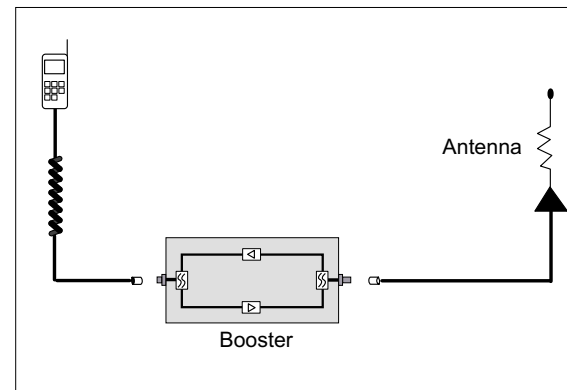


The Car Booster is ideal for motor vehicles, boats, home or office use where there may be a weak signal in the cellular network. This poor reception may be the result of distance from the nearest transmitter or the presence of obstructions between the transmitter and the receiving cellphone.

The Car Booster provides amplification of transmit and receive signals for improving voice quality, service range and access. It is designed to operate on CDMA800, PCS1900, GSM900, and DCS1800 depending on different Car Booster model.

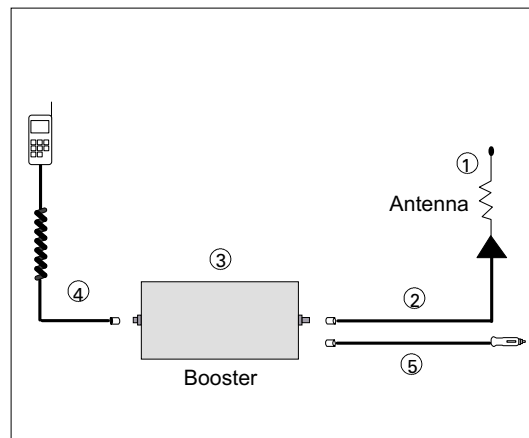
Features:

- High output power, make your conversation more comfortable even stay in weak signal area.
- Compatible to most Genuine and Generic hands free kits.
- Easy to Install, simply connect one end directly into your phone via a patch lead or through a hands free kit and connect the other end to an antenna.



Installation Procedures

A. In Car with Car Antenna (no hands free kit)

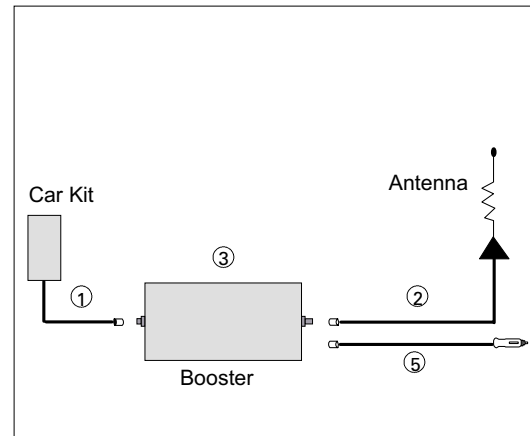


Procedures:

1. Firstly install your antenna. ①
2. Tuck the cable through to the drivers seat and connect to the booster ③ socket marked **antenna**.
3. Connect the cellphone ④ to the booster ③ marked **signal adapter**.
4. Plug the power cable into the booster ③ power input and the other end ⑤ into the cigarette socket of the vehicle.
5. Connect the cellphone ④ to the booster ③ marked **signal adapter**. The signal will take about 5-10 seconds to be amplified and will be increased gradually.

Installation Procedures

B. In Car with Car Antenna and Hand Free Kit (HFK)



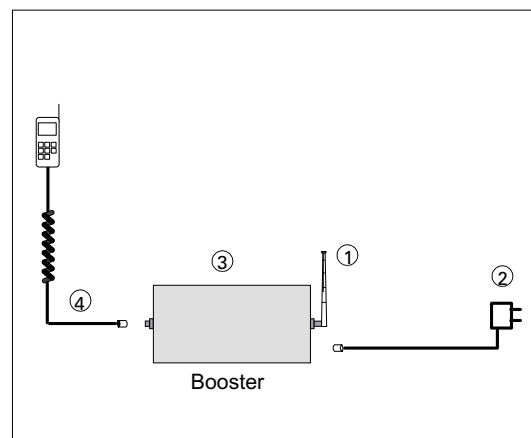
Procedures:

1. Firstly install your antenna and HFK.
2. Tuck the antenna cable ② through to the drivers seat and connect to the booster ③ socket marked **antenna**.
3. Connect the HFK cable ① to the booster ③ marked **signal adapter**.
4. Plug the power cable into the booster ③ power input and the other end ⑤ into the cigarette socket of the vehicle.
5. Turn on the switch. The signal will take about 5-10 seconds to be amplified and will be increased gradually.



Installation Procedures

C. Indoor



Procedures:

1. Decide on a suitable place for installing the booster. It is advisable to have as close as possible to the mobile phone.
2. Connect the antenna (or external antenna) ① to the booster ③ connector marked **antenna**.
3. Connect the cellphone ④ to the booster ③ marked **signal adapter**.
4. Connect the optional power transformer ② then switch on.
5. The signal will take about 5-10 seconds to be amplified and will be increased gradually.



Troubleshooting

It is advisable to have at least one bar of signal showing on your cellphone signal strength indicator. If after turning on the booster and waiting 5-10 seconds, there is no power increase shown on the indicator, check the following:

1. That all connectors are correct and connected properly.
2. That is a power supply and the green power light is lit on the booster.
3. If there is no improvement please contact your distributor.

FCC RF Exposure Requirements:

CAUTION:

The antenna (s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Vehicle - Antenna Installation:

- The antennas used for this transmitter must not exceed an antenna gain of 3 dBi with a minimum cable loss of 2.9 dB.
- For rear deck trunk and roof top installations, the antenna must be located at least 20 cm away from rear-seat passengers and by standers in order to comply with the FCC RF exposure requirements.

Failure to observe these restrictions will result in exceeding the FCC RF exposure limits.



Specification:

Model	CB-127		CB-128		CB-129	
	CDMA800	PCS1900	GSM900	DCS1800	CDMA800	DCS1800
Frequency Range (MHz)						
Uplink	825-845	1850-1910	890-915	1710-1755	825-845	1710-1755
Downlink	870-890	1930-1990	935-960	1805-1850	870-890	1805-1850
Output Power (dBm)	33/0 (Typ.)	30/0 (Typ.)	33/0 (Typ.)	33/0 (Typ.)	33/0 (Typ.)	33/0 (Typ.)
Uplink/Downlink	30/0 (Min.)	27/0 (Min.)	30/0 (Min.)	30/0 (Min.)	30/0 (Min.)	30/0 (Min.)
Min. Gain (dB)						
Uplink/Downlink	15/15	15/15	15/15	15/15	15/15	15/15
Power Consumption	DC 12V/2A					
Connector	SMA-female					
Weight	250g					
Dimension (L x W x D)	100 x 75 x 25mm					