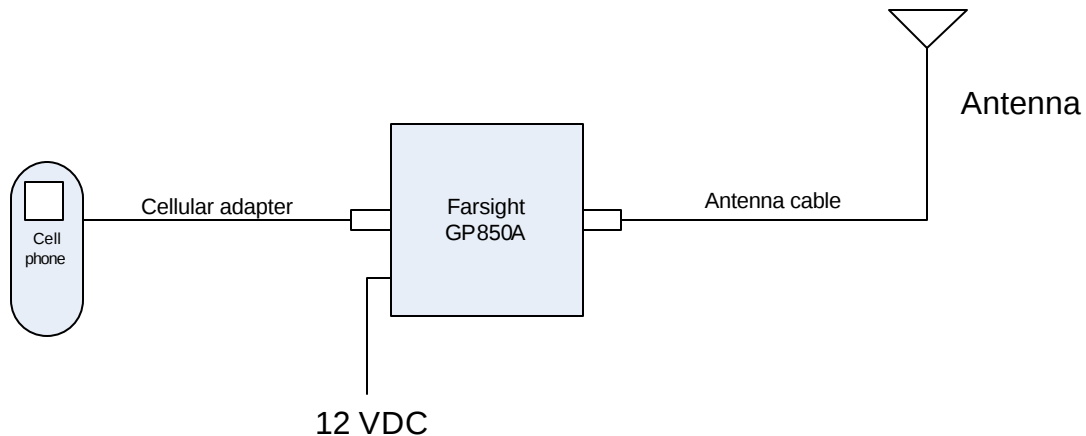


User Manual
Model Numbers GP850A, G850A and P1900A



Automobile

1. Install the booster either under the dash board or under seat so you can easily access to the ON/OFF and Hi/Lo band switches. Avoid direct sunlight to the unit.
2. Be sure the booster ON/OFF switch is at the OFF position and the HI/LO switch is at LO position. Plug the cigarette lighter adapter to the car cigarette lighter plug and the other end of the adapter cable to the booster DC jack input marked "12VDC".
3. Connect the antenna cable with the TNC male connector to the booster TNC female connector marked "ANTENNA". Screw the connector until it is tight and firm. Then place the antenna on the car roof top.
4. Connect the cell phone antenna adapter with the TNC male to the booster antenna TNC female connector input marked "PHONE" and the other end to the phone.
5. Turn the ON/OFF switch to the ON position. Observe the signal bar on the cell phone. It should be either the same or increase by one or two bars. If it decreases, switch the HI/LO switch to HI position. If the signal bar is still low, re-check the installation again. Note: Typically signal bar will change within 10-20 sec.

Notes: If a roof mount antenna is used, it should be located near the center of the roof to optimize the antenna performance. If a glass mount antenna is used, it should be located according to the manufacturer's recommendation. Typically it will be located near the top of the rear window. Antennas should be located at least a 12" from obstructions and other radiating elements.

Boat

1. Install the booster in a dry area where the water can not get to the unit. It can be in the instrument console or anywhere nearby. To minimize the signal loss from the phone to the booster, the cell phone adapter cable should not be longer 6 feet. Avoid direct sunlight to the unit.
2. Be sure the booster ON/OFF switch is in the OFF position and the HI/LO switch is at LO position. Plug the cigarette lighter adapter cable to the cigarette lighter plug or any 12 DC voltage source and the other end of the adapter cable to the booster DC jack input marked "12VDC".
3. Connect the antenna cable with the TNC male connector to the booster TNC female connector marked "ANTENNA". Be sure that it is tight and firm.
4. Install the antenna according to the manufacturer instructions. The antenna should be located at the highest point in the boat and should be clear of obstructions or other radiating elements. The cable length between antenna and the booster should be as short as possible to minimize the cable loss.
5. Connect the cell phone antenna adapter with the TNC male to the booster antenna TNC female connector input marked "PHONE" and the other end to the phone.
6. Turn the ON/OFF switch to the ON position. Observe the signal bar on the cell phone. It should be either the same or increase by one or two bars. If it decreases, switch the HI/LO switch to HI position. If the signal bar is still low, re-check the installation again. Note: Typically signal bar will change within 10-20 sec.

Home or Office:

A high directivity antenna is recommended. Many will use a Yagi antenna since the position between office or home and the base station tower is fixed. The 12V DC adapter for home use will be connected to the booster in this case (sold separately). The cable length between antenna and the booster should be as short as possible to minimize the cable loss.

1. Install the booster in a dry and convenient area where you can easily access to the ON/OFF and HI/LO band switches. Avoid direct sunlight to the unit.
2. Be sure the booster ON/OFF switch is at the OFF position and the HI/LO switch is at LO position.
3. Connect the antenna cable with the TNC male connector to the booster TNC female connector marked "ANTENNA". Screw the connector until it is tight and firm.
4. Install the antenna according to manufacturer installation guide.
5. Connect the cell phone antenna adapter with the TNC male to the booster antenna TNC female connector input marked "PHONE" and the other end to the phone.
6. Turn the ON/OFF switch to the ON position. Observe the signal bar on the cell phone. It should be either the same or increase by one or two bars. If it decreases, switch the HI/LO switch to HI position. If the signal bar is still low, re-check the installation again. Note: Typically signal bar will change within 10-20 sec.
7. If the Yagi antenna is used, rotate the antenna till the signal bar is at the maximum

FCC User Manual Statement**WARNING!**

This product is designed to be used with an external antenna with a maximum gain of 3 dBi or less. The use of an antenna of a higher gain is strictly prohibited and violates FCC regulations.

Changes or modifications not expressly approved by the manufacturer may void the user's authority to operate the equipment.

NOTICE: During transmitter operation, a minimum distance of 50cm (20 in.) shall be maintained between the antenna and personnel, in order to meet the maximum permissible exposure (MPE) limits in section 1.1310 of FCC Rules.