

GPS Repeater Kit, Solar Power Option Installation

Included in Kit:

Solar Panel (1)
Solar Panel Mount Arms (2)
Set Screws (4)
Regulator/Battery Panel (1)
Crimp Lugs (6)
Battery Tie Wrap (1)
Rubber Feet (1)
Battery (1)

Customer supplied:

Masonry or wood screws 3/16" x 2-3/4" (4)
Masonry or wood lag bolt screws 1/4-20 x 1 1/4" (8)
Zip Cord (UV rated)

General Notes:

- Solar panel will be mounted on the roof facing the southern sky
- Regulator/Battery panel will be mounted indoors for easy access
- GPS Repeater kit will be mounted indoors in the upper corner of the room
- Customer will need to measure the distance and supply zip cord from the solar panel to the Regulator/Battery panel and from the GPS Repeater kit to the Regulator/Battery panel

1. Install the Regulator/Battery panel

- Attach Regulator/Battery panel to the wall using the rubber feet and the (4) masonry or wood screws that are 3/16"x 2-3/4". Make sure the battery tie wrap is run through the tie down holes before mounting to the wall.
- Place battery on L-bracket shelf and tighten down with supplied tie wrap.
- Connect supplied battery wires from the regulator to the positive and negative battery terminals.



2. Install the Solar panel

- Attach mounting arms to side of solar panel.
- Attach zip cord to positive and negative terminals on back of solar panel.
- Install Solar panel on roof using the (8) masonry or wood screws that are 1/4-20 x 1 1/4".
- Adjust panel angle for best southern sky view and tighten lock nuts.
- Drill holes using a 3/16 drill bit for set screws on the bottom and top of the mounting arms to secure the installation.
- Run zip cord indoors to the Regulator/Battery panel
- Attach the zip cord from the solar panel to the solar connections on the regulator.



Note: DO NOT SHORT POS(+)/NEG(-) LEADS AFTER CONNECTED TO THE SOLAR PANEL.



3. Install GPS Repeater kit

- Mount the GPS Repeater kit in the area to be covered from 8' to 30' high.
- Point/Adjust the Repeater to the opposite wall angled down 15 degrees.
- Adjust for best performance.
- Attach zip cord to the Repeater positive/negative terminals and run to the Regulator/Battery panel.
- Attach zip cord to the regulator Load terminal connections.