



[Portal](#) > [Knowledgebase](#) > [Satellite Communicators](#) > [Iridium GO!](#) > [Iridium GO! In-Cabin Kit Assembly Guide](#)

Iridium GO! In-Cabin Kit Assembly Guide

Lu Parente - 2017-09-18 - in [Iridium GO!](#)

Follow the instructions below for assistance with setting up the Iridium GO! In-Cabin Kit.

Iridium GO! In-Cabin Kit Assembly Instructions

IMPORTANT

Basic assembly instructions are included – however we recommended that you **CONSULT A PROFESSIONAL FIRST**. Installation may vary depending on the mounting surface.

1. Choose the location of your external antenna. A good location has:
 - A clear line of sight to the sky with no obstructions such as trees or buildings.
 - If installing the antenna to the side of a building, ensure that the antenna clears the roof line for maximum signal strength.
2. Screw the PVC pipe into the base (bottom half) of the external antenna.
3. Take the main feed of the antenna cable, guide it (TNC end first) through the PVC pipe and through the base of the antenna.
4. Screw the TNC end of the main antenna cable into the top half of the external antenna. Ensure the rubber "O ring" is secured around the base of the antenna. This ensures a tight seal of the two halves of the antenna.
5. Secure the base and top part of the antenna together using a Phillips-head screw driver. Fasten the four (4) screws on the bottom of the antenna to secure the two halves.
6. Fasten the antenna to the PVC pipe by screwing it into place.
7. Use the U-bolt assembly kit to secure the PVC pipe to the chosen external antenna location. Secure the antenna and PVC pipe upright (this may require the assistance of a professional).
8. Route the antenna cable as desired and run the main feed through a wall or roof (we suggest you contact a professional for this step). Feed the cable through to the desired mounting site.
 - The Iridium GO! can be placed inside or outside.
 - NOTE: Make sure your mounting site is located close to a power source for Iridium GO!
9. Fasten the smaller and shorter antenna cable, also known as a pigtail, to the main feed of the antenna cable.
10. Fasten the other end of the pigtail cable into the end of the Iridium GO! Antenna Adapter (TNC male to TNC female connectors).
11. Test the position of the antenna to ensure you have a strong signal as instructed below.
12. Finally, mount the Iridium GO! using the instructions provided in the wall mount kit.

Test your Iridium signal strength in 5 easy steps:

1. Connect the Iridium GO! Antenna Adapter to the Iridium GO! antenna port located on the left side of the device, under the device antenna.
2. Make sure the device is charged or plugged-in to a power source.
3. Power 'on' the Iridium GO! by lifting the antenna.
4. Look at the signal strength on the screen (1 to 5). We recommend at least 3-5 bars of signal without fluctuation of signal strength.
5. If the signal is strong and stable, you may secure the antenna. If it is not, consider another location.

Get to know your Main Iridium GO! Cabin Kit Components:



Power/Charging cable

The 5 m indoor/outdoor USB cable is used to provide power to your device.



Set of 2 cables

Connects to the antenna adapter and the external antenna.

- Main feed: Thicker, longer cable
- Pigtail: Thinner, shorter cable



Antenna Adapter

Connects the pigtail cable to your Iridium GO!.



Fixed Mast Passive Antenna

Pole/mast mountable, 19 mm plastic pipe, U bolts included

Before you start:

To install the cable and antenna assembly to the side of a structure or exterior wall, you will need:

- 5-10 feet of 2 inch diameter hollow exterior grade pipe to provide a fixed structure for the PVC pipe and antenna.
- 3-5 metal securing brackets, wood screws, and concrete screws to secure the pipe to an external wall. (see below)
- Hammer drill with $\frac{1}{4}$, $\frac{3}{8}$, and $\frac{1}{2}$ inch concrete drill.
- Exterior grade insulating caulking to fill/insulate any exterior openings.



To install the cable & antenna assembly on a flat surface or roof top, you will need:

- A minimum of 5 feet of 2 inch diameter hollow galvanized/exterior grade pipe to provide a structure for the PVC pipe and antenna.
- One 5 gallon painter's pail.
- Quick set concrete mix to secure the metal pipe in the center of the 5 gallon pail. (Gravel can also be used as long as the pail can withstand the elements).
- Vinyl cable straps also known as zip ties to secure the antenna cable to the metal pipe.
- Hammer Drill with a $\frac{1}{4}$, $\frac{3}{8}$, and $\frac{1}{2}$ inch concrete drill bits.
- Exterior grade insulating caulking to fill/insulate any exterior openings.