

8. Update Software Bundle

8.1 Access LUI

8.1.1 In a Chrome web browser, go to the LUI main page at **192.168.100.1** and select **Install** from the menu.



8.1.2 Select the **Start** button on the Begin Your Installation page.



8.1.3 The Current Software Bundle Versions will display. Select the desired file and then select the Upload button on the Upload Software Bundle page.



8.1.4 Verify the software version. To continue the software installation, select Yes.



8.1.5 The screen will display the progress of the update and application of new software.



8.1.6 Once the software has been updated, a "Software has been updated!" message will display. The system will automatically reboot.



9. Update Ephemeris File

9.1 What is Ephemeris File

Ephemeris Data contains current information about the orbits of the satellites in the OneWeb constellation. The User Terminal uses ephemeris data to determine the positions of the satellites in the sky at any given time.

9.2 Updating the Ephemeris File

Ensure the use of an ephemeris file that is no older than 30 days.

9.2.1 From a web browser, navigate to <https://ephemeris.oneweb.net/>.

9.2.2 Select the **Itf/** directory.

9.2.3 Select the **Itf.csv** file to download.

9.2.4 Go to the LUI main page at 192.168.100.1 and select **Install** from the menu.

9.2.5 Select the **Next** button on the Begin Your Installation page.

9.2.6 Select the **Next** button on the Upload Software Bundle page.

9.2.7 Select the **Browse** button on the Upload Ephemeris page.



9.2.8 Select the **Itf.csv** file and click **Open**.

9.2.9 Select the **Upload** button.



9.2.10 When the upload has completed, a message will display that it has been reset.



Once the User Terminal is commissioned, this will be updated automatically.

Verify operation by checking the main page of the LUI. The Operating Mode will be **Online**.



The following document can be accessed via the QR code in a library.

- QIG CNX

OW11Fx

OneWeb LEO User Terminal

Scan the QR code to review the User Guide.



<https://go.intelliantech.com/xxxxxxx>

Quick Installation Guide

1. Important Information

Quick Installation Guide provides basic installation instructions for Intellian OW11Fx LEO User Terminal. A step-by-step mobile app for installation, troubleshooting, and monitoring is available on Google Play and the Apple App store via a custom link ([link will be added once complete](#)) For detailed installation and operations instructions please scan the QR code at the top of this guide. If you need any assistance, please contact Intellian Technical Support at support@intelliantech.com.

2. OW11Fx

2.1 Unboxing

Intellian OW11Fx LEO User Terminal consists of an indoor unit and outdoor unit packaged in separate boxes, designed to be installed by a single person. The outdoor unit package includes the following items:



- **Note:** The OW11FL also includes an adjustable mount adapter.

2.2 Additional Tools Needed (not included)

- 5 mm hex key / Allen wrench
- 13 mm wrench or socket

3. Land Fixed Installation

3.1 OW11FL Installation

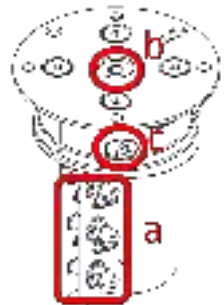
Choose the mount that works best for the environment. Intellian offers a Non-Pen Mount (NPM) (OW-NPM5-1074-RM), a TriMast Mount (OW-3012), and a Quadpod Mount (OW-6011). Review the instructions for the appropriate mount type from the installation and operations guide which can be accessed via the QR code.

3.2 Attaching to a Pole Mount

3.3.1 Intellian Adjustable Mount Adapter Kit

The adjustable mount adapter kit (OW-6017) consists of an adjustable pole mount adapter suitable for 60 mm pole diameter and required hardware.

3.3.2 Place the mount adapter onto the 60 mm mount post. Loosen the 3x nuts if necessary ([a](#)).

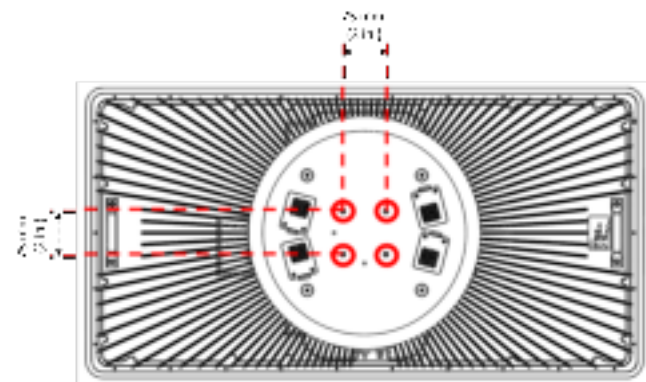


Using a 13 mm wrench or socket, tighten the three nuts on mount adapter onto the pole ([a](#)).

The adjustable mount adapter has a built-in leveling tool for easy adjustments. If necessary, loosen 2x bolts ([c](#)) and rotate the top plate of the mount adapter until it is parallel to the ground. Verify alignment using the integrated bubble level and observing that the air bubble is within the black circle guide ([b](#)).

Secure the top plate orientation by tightening the bolts on the side of the top plate collar using 5 mm Allen wrench ([c](#)).

3.2.3 Place antenna on the adjustable mount adapter and align holes with the 75 mm mount points. Secure the antenna utilizing the hardware provided in the kit.



3.4 Continue to section 6, Cabling and Grounding the Antenna.

4. Maritime Installation

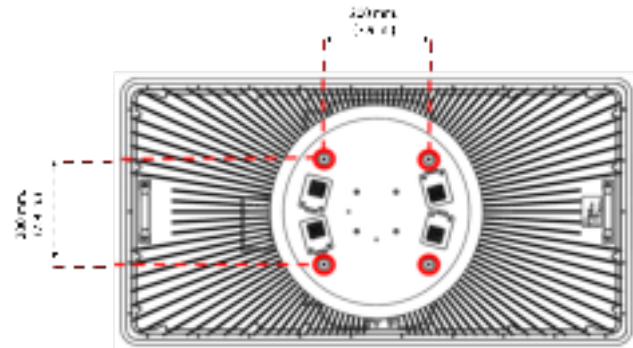
4.1 OW11FM Installation

The Maritime mount adapter kits consist of a mount adapter plate, adjustable pole mount adapter (OW-6017), and required hardware.



4.2 Attaching to a Pole Mount

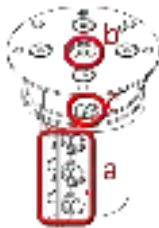
4.2.1 Secure the mount adapter plate at the 200 mm mount points on the base of the antenna, utilizing the hardware provided in the kit. When installing the mount adapter plate to the base of the antenna, ensure the fans are not obstructed. **Mount adapter plate should be flush or 12 mm from base.**



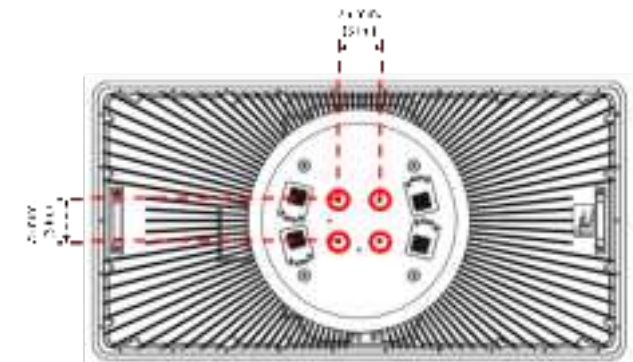
4.2.2 Place the adjustable mount adapter onto the 60 mm mount pole. Loosen the bolts if necessary.

Using a 13 mm wrench or socket, tighten the three nuts on mount adapter onto the pole **(a)**.

The adjustable mount adapter has a built-in leveling tool for easy adjustments. If necessary, loosen 2x bolts and rotate the top plate of the mount adapter until it is parallel to the ground. Verify alignment using the integrated bubble level and observing that the air bubble is within the black circle guide **(b)**.



Secure the top plate orientation by tightening the bolts on the side of the top plate collar using 5 mm Allen wrench **(c)**.



4.3 Attaching to Pedestal Mount

4.3.1. Install the standoffs into 200 mm mount points on the bottom of the antenna using a 13 mm wrench or socket.

4.3.2 Mount the adapter plate to the pedestal in the desired orientation.

4.3.3 Place the antenna onto the mount adapter plate ensuring all holes are aligned with the 200 mm mount points, ensuring the fans are not obstructed.

4.3.4 Install all 4x M6 bolts up through the base of the mount adapter plate into the antenna's standoffs ensuring they are tightened.

4.4 Custom Mount Adapter

Please use the hole pattern provided in the package for determining mounting points on the custom mount adapter. Ensure the use of standoffs provided in package for adequate clearance for air flow.

4.5 Continue to section 6, Cabling and Grounding the Antenna.

5. Land Mobile or Vehicular Installation

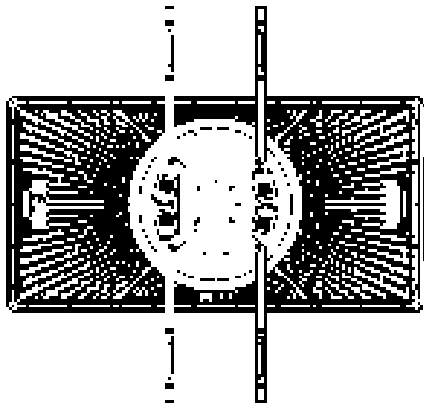
5.1 OW11FV Installation

The Land Mobile mount adapter kit [Part number] consist of two mount adapter rails and all associated hardware. This mount adapter kit can be used in conjunction with vehicle roof crossbars.



5.2 Attaching Antenna to Mount Adapter

Attach the mount adapter to the base on the antenna using the provided hardware.

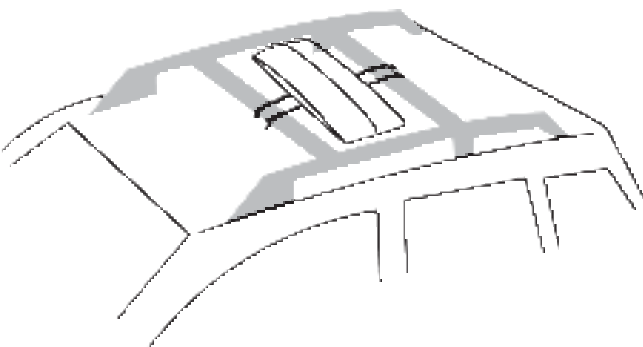


5.3 Attaching to Vehicle Crossbars

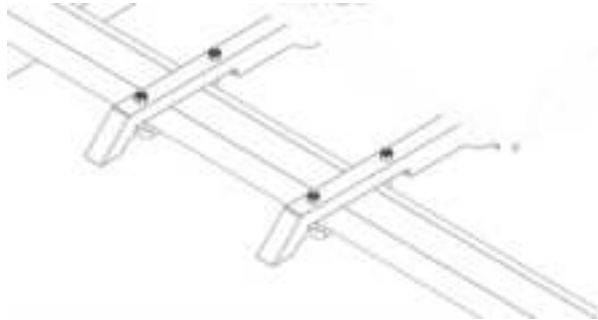
Ensure your vehicle has a cross bar system installed on the car.

5.3.1 Position the cross bars so that the space between them is 25" (635 mm). The land mobile mount adapter pieces will run in line with the vehicle. Ensure there will be no interference from other items such as vehicle radio antennas or sunroofs. Look to your owner's manual for further details and instructions on this process.

5.3.2 Place the antenna and mount adapter on the crossbars ensuring the cross bars are centered between the mounting holes and the antenna is centered on the vehicle.



5.3.3 Install the U bolts from underneath around each cross bar, and then secure it with the nut on each side. Repeat for all 4 sides.



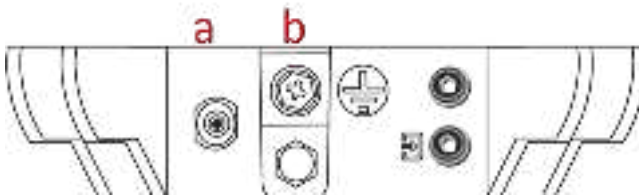
5.3.4 Tighten each nut on the U bolts to ensure the mount is secured.

6. Cabling and Grounding the Antenna

6.1 Grounding the Antenna

6.1.1 Connect the coaxial cable to the F-Connector on the antenna **(a)**.

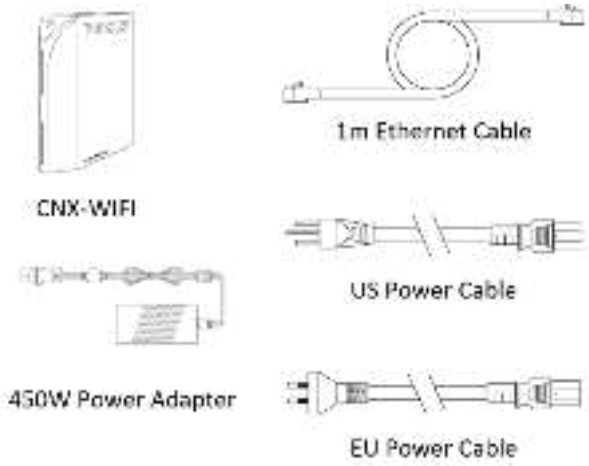
6.1.2 Connect the grounding strap to the antenna. Securely connect to the grounding system that complies with the safety standards in your country **(b)**.



7. CNX (Customer Network Exchange)

7.1 Unboxing

The indoor unit package will include a CNX-WIFI with cables and a power adapter.



7.2 Installing IDU

The CNX should be in a clean, dry area where the it can be placed **vertically**. Ensure there is adequate space around the CNX to allow for proper ventilation and prevent overheating.

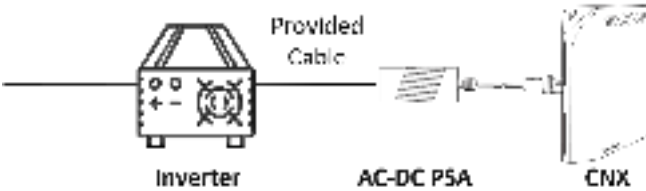
7.2.1 Connect the coaxial cable to the F-connector on the CNX **(a)**.

7.2.2 For AC power sources, connect one end of the power supply adapter to the CNX **(b)** and plug the other end into the power outlet.



7.2.3 When using a DC power source, there are two adapter options, an inverter or a DC-DC PSA. Connect the adapter device to the DC power source using the provided cable and terminate accordingly. Mount the device in a secure location.

For the inverter, then follow the AC power instructions.



For the DC-DC PSA, then directly connect the other end to the CNX using the supplied cable.



7.2.4 Ensure you are connected to the CNX via the Management port utilizing the ethernet cable included in the CNX package. If you are using a CNX-WIFI you may also connect Wi-Fi via the Management SSID **(c)**.

Once the WAN LED indicator on the front of the CNX-WIFI turns on, the system is ready.