

wideye™

liberating communications

SAFARI™

Installation

Guide of SAFARI™

Transceiver Unit

Part Number: 74F00127100

The Transceiver Unit is designed for installation in a vehicle. It is not suited for outdoor installation.

Unpacking

- SAFARI™ tracking antenna
- Transceiver Unit (TU)
- Primary Handset with cradle
- 3 meters antenna cable
- 1.5 meters Ethernet cable
- 1.8 meters telephone cord
- 3 meters DC power cable with cigarette lighter connector
- 1 meter GPIO (General Purpose Input / Output) cable
- 1.8 meters serial port cable with its connector for GPS output
- Wi-Fi Antenna
- Hardcopy Installation Guide of SAFARI™ Transceiver Unit
- Hardcopy Installation Guide of SAFARI™ Antenna Unit
- Hardcopy SAFARI™ Quick Start Guide
- CD format User manual

The following are optional accessories for the SAFARI™ Transceiver

- AC/DC Power Supply 24VDC / 10A (without power cord)
- 10 meters antenna cable
- 20 meters antenna cable
- 30 meters antenna cable
- 1 meter pigtail antenna cable and TNC Adaptor

Mounting of Transceiver Unit

The Transceiver Unit can be installed in the following:

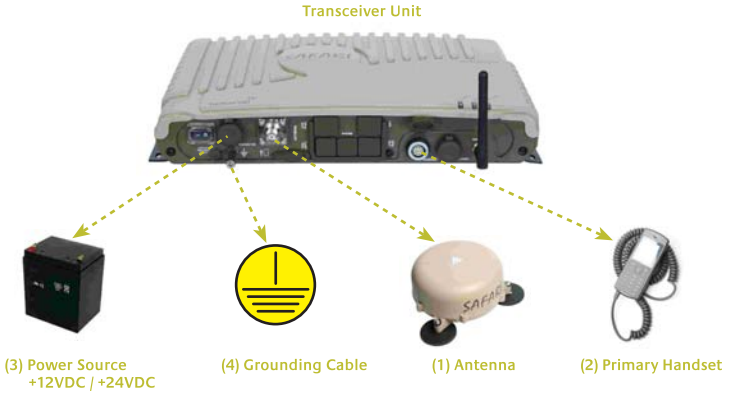
- Mount on any solid surface in the vehicle preferably with the cable connections at the bottom.



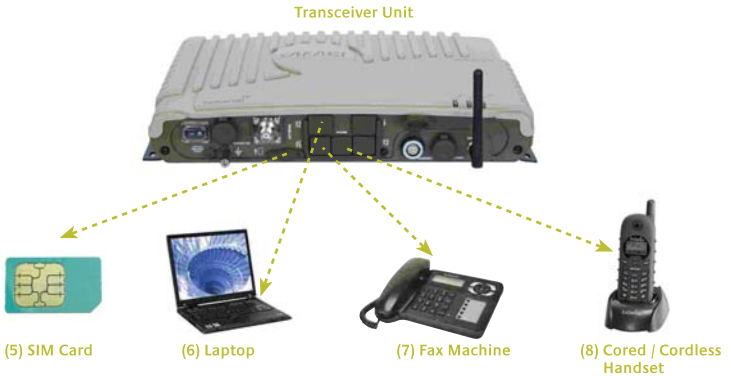
The mounting bracket can be found on both side of the Transceiver Unit and can be secured firmly by 4 pieces of M5 x 12mm self-tapping or machined screws.

Installation of Transceiver Unit

An overview of the Transceiver Unit's basic connections with Primary Handset cable, power cable and antenna coaxial cable is illustrated as below.



Note: Grounding cable shall be connected to the body of the vehicle as the earth or grounding point. It is not included as a standard accessory.



Note: If the transceiver unit is installed in a location where the ambient temperature may exceed +45°C, we recommend placing the terminal where unintentional contact with the unit is avoided. If the maximum ambient temperature does not exceed +45°C, the terminal can be placed in an open area.

Installing the SIM Card

The SAFARI™ system requires a BGAN SIM card to access the Land Mobile network and configure the Transceiver Unit settings. Please refer to your Airtime Service Provider for more information.

Follow these steps to install the SIM card:

1. Tilt up the SIM card slot rubber cover as shown below.



SIM Card
Rubber Cover

2. Position the SIM card with its gold-contacts facing down as shown below.



SIM Card

3. Use your finger to push the SIM card gently until it is being clicked and locked in place. A screwdriver can help to push the SIM card if the SIM card cannot be inserted properly.
4. Tilt down the SIM card cover to its original position.

Connecting Antenna (Coaxial) Cable

Connect the antenna cable between the Antenna Unit and Transceiver Unit. Follow these steps to connect the antenna cable to the Transceiver Unit:

1. Plug in the antenna cable.



Antenna Cable (Coaxial) Connector

2. Tighten the connector till it is being secured to the Transceiver Unit.
3. Plug the other end of the antenna cable to the antenna unit connector.



Antenna Cable

If there is a need to have a different cable other than 3-meter antenna cable, it is important that an antenna cable shall meet the requirement especially in the RF attenuation. The maximum attenuation in the antenna cable must be less than 12 dB at the frequency of 1600 MHz to ensure the performance of the system.

Note: It's important that the antenna cable is connected properly to the SAFARI™ Antenna Unit and Transceiver Unit. Check to ensure that the antenna cable connectors on both sides are securely and properly connected.

Connecting the Wi-Fi Antenna

Follow the steps to connect the Wi-Fi antenna:

1. Connect the Wi-Fi antenna to the Wi-Fi antenna port. Turn clockwise direction until it is secured.



Connecting to DC Power Source

Follow these steps to connect the SAFARI™ Transceiver Unit to the DC power source.

1. Flip open the DC power port rubber cover on the front panel.



DC Power Connector
Rubber Cover

2. Connect the DC power cable on the front panel.



DC Power Cable
Connector

3. Connect the DC power cable to the DC Power Source of the vehicle via a 15 amperes fuse in the vehicle's fuse box.



4. Alternatively, the Transceiver Unit can be connected to the cigarette lighter connection of the vehicle. Check the fuse of the cigarette lighter in your vehicle to ensure that it is 15 amperes or above.



5. A Power On/Off switch is located next to the DC power connector on the front panel for the turning “On” and “Off” of the SAFARI™ Unit. Press the Power On/Off switch to turn on the Transceiver Unit.



It is recommended to operate the SAFARI™ Transceiver Unit when the car engine is running to prevent the current being drained off from the battery directly.

Note: The power switch combines its internal 10A circuit breaker and ON/OFF switch with rocker actuation. Thus, the power switch protects the Transceiver against any over current or short-circuits.

Connecting Primary Handset

Note: The Primary Handset is powered from the Transceiver Unit.

Follow these steps to connect the Primary Handset:

1. Flip open the rubber cover on the front panel.



Primary Handset Cable Connector Rubber Cover

2. Plug in the Primary Handset cable connector into the Primary Handset port on the front panel.



Primary Handset Cable Connector