User Manual

SatStation Extreme Dock - Blue
for
IRIDIUM® 9575

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SatStation Extreme Dock - Blue consists of:

1. Smart Cradle
5. Power cable
6. Mounting Bracket

Before beginning the installation process, determine the best locations for the mounting of the Cradle.

Consider the following guideline when planning the installation:
* DO use all mounting hardware provided.
* DO ensure that cables are not placed under stress.
* DO follow proper + and - connections.
* DO crimp connectors securely.
* DO NOT attach components to any part of the mounting structure that is not rigid or is subject to excessive vibration.
* DO NOT install components in areas where rain or snow can easily get into them, such as next to a vehicle window, which may be left open.
* DO NOT dress cables over sharp edges that could cause wear or tearing of cable insulation.
* DO NOT install components in locations where they might interfere with the vehicle operator or operating controls.
* DO NOT install the Hands-free Cradle where it will be difficult for the operator to reach.

! WARNING
VEHICLES EQUIPPED WITH AIR BAGS
An air bag inflates with great force. DO NOT place objects, including communications equipment, in the area over the air bag or in the air bag deployment area. If the communication equipment is improperly installed and the air bag inflates, this could cause serious injury.

It is recommended that the installation of the vehicle communication equipment be performed by a professional installer/technician trained in the requirements for such installations. An air bag's size, shape and deployment area can vary by vehicle make, model, and front compartment configuration (for example, bench seat vs. bucket seats). Contact the vehicle manufacturer's corporate headquarters, if necessary, for specific air bag information for the vehicle make, model, and front compartment configuration involved in your communication equipment installation.

Power Cable Installation
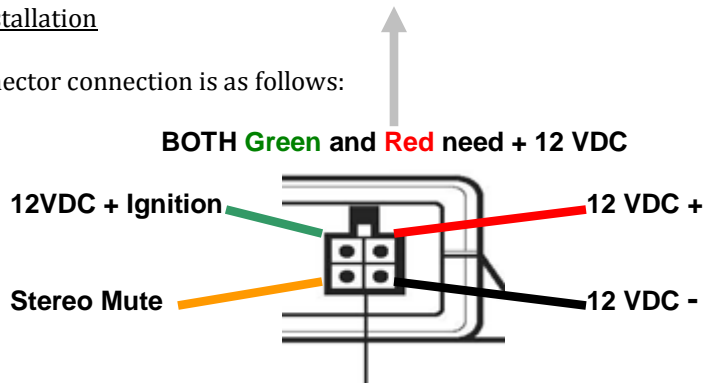
The power connector connection is as follows:

BOTH Green and Red need + 12 VDC

12VDC + Ignition   **12 VDC +**

Stereo Mute   **12 VDC -**

Diagram 4

1. Route the black lead of the main power cable to convenient negative supply voltage (ground) chassis ground and the red lead to the positive supply voltage connection points. If it is necessary to penetrate the firewall, use an existing opening.

2. If necessary, drill a new hole approximately 9/16" or 3.5cm in diameter. Make sure that there is enough clearance on the opposite side. Insert a grommet into the hole to prevent damage to the power cable.

3. Cut the black lead to the desired length.

4. If the connection is being made under the dash or in the vehicle cabin, connect the black lead directly to the chassis of the vehicle. Note! Do not connect the black lead to the negative (-) battery terminal. The car could be damaged if there were a malfunction in the vehicle's electrical system.

5. Cut the red lead to the desired length. This lead will be connected such that it has positive supply voltage at all times, even when the vehicle is turned off.

6. If the connection is being made under the dash or in the vehicle cabin, connect the red lead to a positive supply voltage point.

7. If the connection is being made in the engine compartment or directly to the battery, connect the in-line fuse holder between the red lead of the power cable and the desired positive voltage connection point.

8. Route and **connect the green lead** to a convenient ignition switch supply point in the vehicle. The green cable MUST be connected or the unit will not function correctly

To Car Supply Voltage

To Car Stereo

To Car Stereo
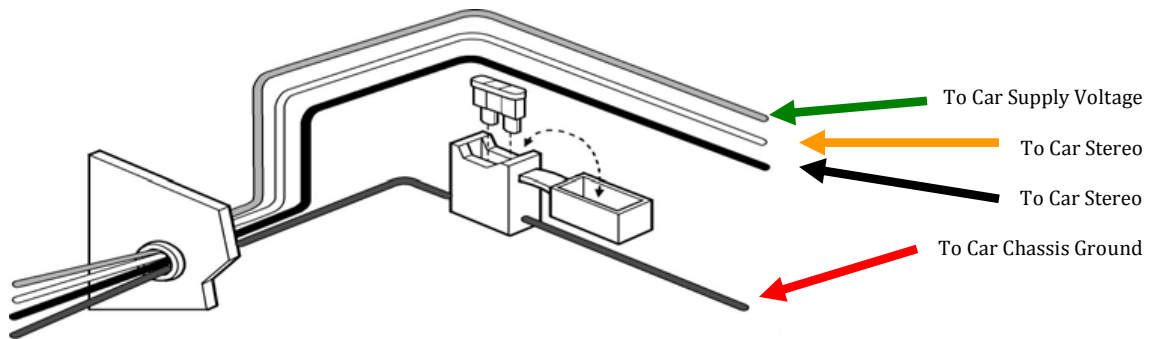
To Car Chassis Ground

Diagram 5

<u>Stereo Mute</u>
If the vehicle's stereo system supports an external muting feature, route and connects the orange wire to the car stereo system. Otherwise, the orange wire may be left unconnected and cut off or tied out of the way.

NOTE! The Car Kit supports an "Entertainment Mute" function when connected to a car stereo system that provides for external muting. This function is compatible with systems that mute the audio output when the control line is connected to ground

Mounting of the cradle

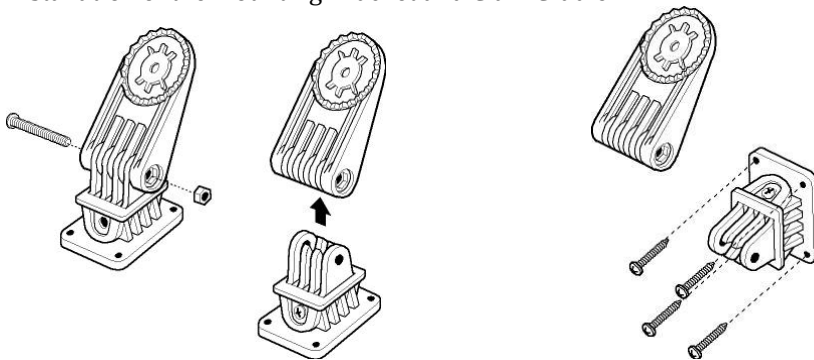Installation of the Mounting Bracket and Clam Cradle

<u>**Diagram 7**</u>

1. Remove the screw holding the top portion of the Mounting Bracket and separate the top portion of the mounting bracket from the bottom portion.
2. Retain position of this screw, as it will be needed to reattach the top to the bottom as described below.
3. Mount the bottom portion of the mounting bracket in the desired position in the vehicle using the four self tapping sheet metal screws included, in such a way so as not to interfere with air bag deployment and within easy reach of the driver operator to ensure easy access to the portable.
4. Maintain sufficient clearance above and below the Mounting Bracket for the Cradle and for the cables
5. Attach the cradle to the top portion of the mounting bracket with a single screw through the rear of the cradle.
6. In order to obtain a better position of the portable's display when it is in the cradle, adjust the angle of the cradle by loosening the screw and moving the cradle to the desired position. Retighten the screw when finished.

Note: The Cradle contains four small holes on its back for an optional flush mount kit (not included).

Inserting the portable phone into the cradle

 <u>**Diagram 8**</u>

Before inserting the phone into the cradle make sure to remove the connection cover from the bottom of the Iridium phone.

Press the top of the phone back into the cradle until the catch mechanism of the release button snaps into place.

Press to Release

Diagram 9

<u>Removing the Phone form the Cradle</u>
1. Press the release button on the cradle, above the top of the portable.
2. Pull the portable up and out.

1. The antenna connection on the cradle has a TNC female connector that should be connected to a coaxial antenna cable properly terminated with TNC male. Please ensure that the appropriate cable is used for the length of the cable run and type of antenna.
2. An antenna suitable for use with the Iridium 9555 portable must be purchased and properly installed in accordance with the requirements of the antenna manufacturer/supplier.
3. Use an approved antenna only. Unauthorized antennas, modifications, or attachments could impair reception quality, damage the radio product, or result in non-compliance to United States FCC Regulations for RF exposure.
4. Position the antenna in such a way to maintain a separation distance of at least 8 inches (20cm) between the antenna connected to the Car Kit Cradle and the body of any user, or nearby person, to assure compliance with the United States FCC regulations on RF exposure.
5. Route the cradle's antenna cable separately from all other cables (cradle to Junction Box cable, microphone line, and power lines) associated with the Car Kit.

Cradle Operating Procedure

Car Ignition connection
1. When the car ignition is ON, the Car Kit will stay on as long as handset is placed in the cradle and the cable connected.
2. When the ignition is turned OFF the Car Kit will turn OFF after 60 minutes.
3. Use of the PTT in the vehicle will turn on the Car Kit for 8 minutes, after which it will turn off again.

Making or receiving a hands-free telephone call
1. To receive an incoming hands-free telephone call, press the" SEND" key on the handset's keypad. A confirmation tone that the phone has been answered will be heard through the speaker
2. To make a hands-free telephone call, place the handset into the cradle and dial the desired number on the handset's keypad and press the "SEND" key.
3. Adjust the volume using the handset's volume control.

Initiating Emergency SOS Mode

1. The buttons on the front of the smart cradle are used to activate the Emergency SOS mode when pressed simultaneously.
2. Press and hold both buttons simultaneously.
3. A twenty (20) second countdown will begin on the Iridium handset and the dock will beep intermittently.

4. To cancel the distress call press the soft key labeled "CANCEL" on the Iridium handset before the counter reaches zero (0).

Diagram 10

Emergency SOS Buttons hold simultaneously to engage.

Important: Important: Using this feature does not guarantee a distress call will go out or that the phone will receive an accurate enough GPS fix to send a SMS and/or SBD message with your location details. If the phone is not receiving a GPS signal, the SMS/SBD distress feature may not function effectively (if enabled). Neither the manufacturer nor supplier of this docking station is liable in the event of a failed distress call and/or message.

Data transmission
1. To transmit data, connect the USB plug into the corresponding receptacle on the side of the cradle.
2. Then follow the instructions included with your choice of Iridium data management software.

USB Data

Charging the battery
1. With the handset turned off, the car kit will charge the battery to 60% in approximately 1 hour. The charge time will be longer if the handset is operational during charge time.
2. For operator convenience, the handset's backlight will remain on for ease of viewing during low/no-light conditions.

NOTE! Batteries will charge within the temperature window of -10 C to +40 C (50 F to 104 F). If the battery is outside the temperature window, no charge current will be supplied to the battery.

Operating Specifications
Input voltage range: 11V dc to 32V dc
Operating ambient: -30C to +60 C

Pairing a Bluetooth Device with your Extreme Dock

1. With your phone registered and inside the dock, hold the right button for five (5) seconds. The light will go from a steady red to flashing green and red. Your dock is now in pairing mode and looking for a device to connect too.
2. Go into your Bluetooth's Device Settings (Bluetooth handset, headset etc.) and put your device in pairing mode. At this point the Extreme Dock is entering combinations of codes into your Bluetooth device until a match is found.
3. Once a match is found, the right button will turn into a steady green, meaning that the dock has made a successful pair with a Bluetooth device.
4. To dial out, you will need to use your Iridium handset. The call will be answered by your Bluetooth device. It's advised to not use a Bluetooth device in conjunction with the privacy handset.
5. To exit pairing mode just shut off the Bluetooth device and the Extreme Dock's right button will go back to a steady red.