



INSTALLATION MANUAL
Standard Iridium Dock
9505a/9555



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The SatStation Standard Dock is designed for use with Iridium 9505a phones for safe and convenient vehicular operation.

Note: Same installation procedure applies to the

Parts

- Junction Box
- Power cable
- Adapter Cable for Iridium Cradles
- Privacy Handset

Important Considerations

A properly installed SatStation Standard Iridium Dock will minimize service calls and equipment downtime. Because of the wide variations in the design, these instructions should be modified to suit each particular installation. Before beginning the installation process, determine the locations for the mounting of the Mounting Bracket, Clam Cradle, and Junction Box.

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 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 other equipment operators or operating controls.
- * **DO NOT** install the Hands Free Cradle where it will be difficult for the operator to reach.

Junction Box

Installation Procedure

1. Mount the Junction Box where it is protected from dirt and moisture and must be afforded adequate space for cooling. There must be sufficient space to allow for connection of all cabling.



Diagram 2

2. Power cable and the PTT connectors to their respective corresponding connectors in the Junction Box, as shown in Diagram 3 below. (Disregard connections for Speaker and Microphone)

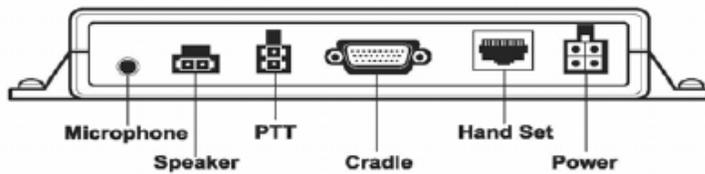


Diagram 3

3. Route the cables out of the way to avoid physical or visual obstruction. Allow sufficient slack in the cable to the PTT so that it does not interfere with the movement of the gear lever.

Caution! The Hands Free unit should be used with a negative ground system only.

Junction Box Volume Switch

1. The speaker audio is preset for the SatStation cradles and most of the Iridium® OEM cradles.
2. If the speaker audio is too low (in particular when used with the Iridium® cradle) flip the second switch at the bottom of the junction box to the ON position (see Diagram 4). Please note that this setting can cause audio distortion in some cases. Please determine if this setting is needed before implementation.

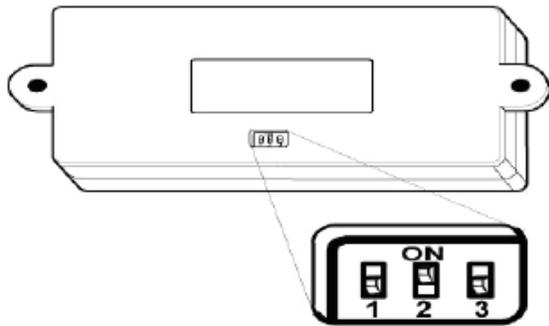


Diagram 4

Power Cable

Installation Procedure

1. Route the black lead of the main power cable to convenient 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.

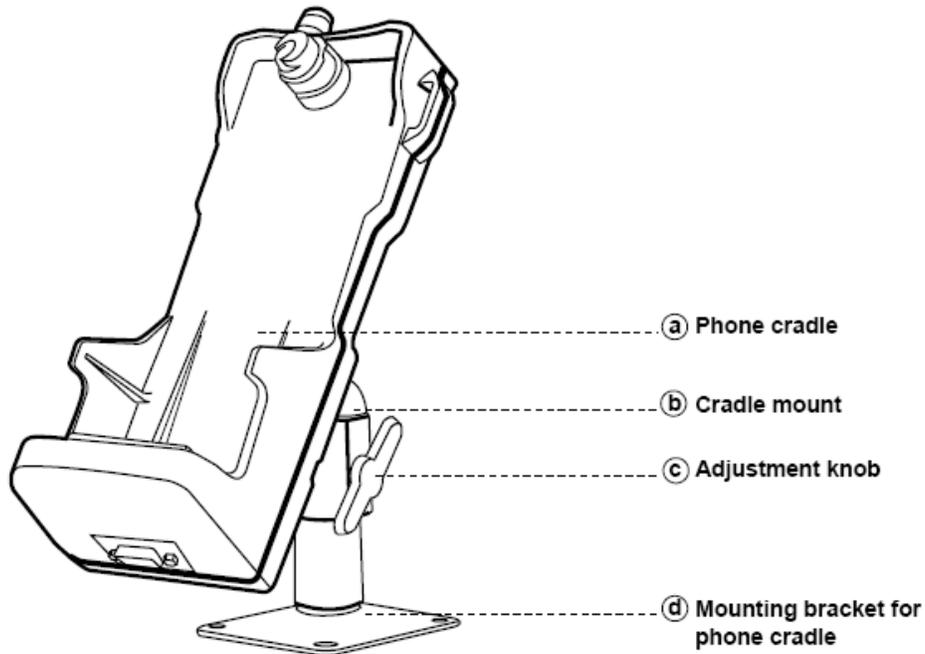
Note! Do not connect the black lead to the negative (-) battery terminal.

4. Cut the red lead to the desired length. This lead will be connected such that it has positive supply voltage at all times.

External Antenna

1. Mount an external antenna (to be purchased separately) using the instructions provided with the manufacturer's antenna kit.
2. Position the antenna, maintaining a separation distance of at least 8 inches (20 cms) between the antenna and the body of any user and nearby person, to assure compliance with the U. S. FCC regulations on RF exposure.

Phone Cradle Installation



STEP I
Separating cradle mount from mounting bracket

The diagram shows the cradle mount (b) being loosened from the mounting bracket (d). The adjustment knob (c) is turned clockwise to loosen the mount. The back of the phone cradle (a) is shown being removed from the mount.

- ① Turn the adjustment knob clockwise to loosen.
- ② Remove the cradle mount and set aside.

STEP II
Mounting Bracket

The diagram shows the mounting bracket (d) being secured to a hard surface using screws. The screws are shown being inserted into the holes of the bracket.

Secure the mounting bracket onto a hard surface using the screws provided. (4th screw not shown)

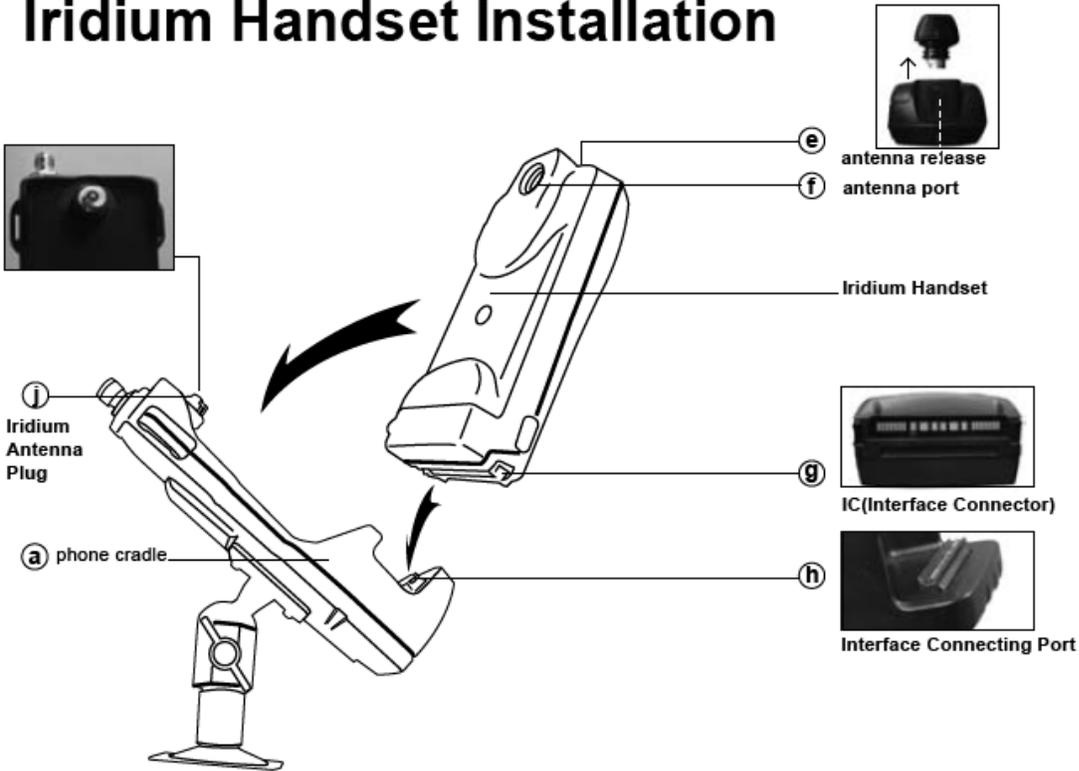
STEP III
Replacing cradle mount to the now fixed mounting bracket

The diagram shows the cradle mount (b) being replaced onto the now fixed mounting bracket (d). The adjustment knob (c) is turned counter-clockwise to tighten and secure the mount. The back of the phone cradle (a) is shown being inserted into the mount.

- ① Insert the cradle mount *back* into the now *fixed* mounting bracket.
- ② Turn the adjustment knobs *counter-clockwise* to tighten and secure.

NOTE: If you own the 9555 version of the SatStation Standard Dock, Phone Cradle installation remains the same.

Iridium Handset Installation



STEP I
Connecting Data

- 1 Locate (g) on the bottom of your Iridium handset and (h) on the inside of the phone cradle. Connect (g) and (h)
- 2 Push the Iridium handset into the cradle until it is blocked by (j)

STEP II
Securing the Iridium Handset

- 1 Press and hold (e)
- 2 Push the Iridium Handset all way into the phone cradle. (f) and (j) should align into place.

STEP III
Plugging Cradle mount into Iridium Handset

- 1 Insert the power plug into the Iridium handset (as shown)
- 2 Insert the audio plug into the Iridium handset (as shown)

Note: If you own the 9555 version of the SatStation Standard Dock, parts h and j are located on the top portion of the 9555 cradle.

Operating Procedure

1. When the power is plugged in the LED light is RED. The SatStation Standard Dock will stay on as long as handset is placed in the cradle.
2. Adjust the speaker volume using the handset's volume control

Making or receiving a telephone call

1. To receive an incoming Hands Free telephone call, press the "SEND" key, any of the number keys
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 speaker volume using the handset's volume control.
4. Incoming audio will be heard through the handset.

Note: For best audio during an interconnect call set the volume level at 5 bars or less.

Use of Privacy Handset

1. To use the Privacy Handset, plug the connector into the corresponding receptacle on the Junction Box.

Charging the battery

1. With the handset turned off, the SatStation Standard Dock 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.

Power Specifications

Input voltage range: 11V dc to 32V dc

Operating ambient: -30C to +60 C