

## INSTALLATION

### Common Wire Connections

The instructions shown below are for the most common wire connections. Please contact Blue Sky Network if you have any questions about the connectivity or mounting during installation.

#### ATTACH EXTERNAL ANTENNAS

The 9575A dock accepts a male TNC for Iridium and a male SMA for GPS. **NOTE:** Do not exceed cable lengths and keep cable splices to a minimum.



#### ATTACH AND LOCK POWER INPUT JACK

Align the pin of the cord and the receptacle, pressing the plug firmly in place. Twist the collar to lock the cord to the docking station.

**NOTE:** The lock collar on this cable should only be tightened by hand. Do not use pliers as this will overtighten the cable and potentially damage the connector housing.



## Optional Wire Connections

The following information may not apply to every installation and should be considered optional.

### ATTACH RJ-11 ANALOG PHONE / PABX INTERFACE

Connect your telephone line to the RJ-11 jack as shown. The plug should be pressed into the socket until an audible 'click' is heard, indicating that the plug is fully seated and locked in position. To remove, use your finger to squeeze and unlock the small plastic tab on the plug.



### ATTACH PRIVACY HANDSET

Connect the optional privacy handset to the docking station via the latching RJ-45 connector. The privacy handset shows system status information while providing a convenient interface for calls when in close proximity to the docking station.



## GENERAL USE

### Docking Your 9575A Handset

The 9575A handset has 2 connections and the docking station self-aligns with its electrical connections. Care should be taken to avoid using excess force when docking.

After completing the docking process, apply power and connect to the Iridium network. The satellite connection LED will blink while searching and turn solid **GREEN** when ready.

- 1.** Open the protective cover on the 9575A handset and install the provisioned SIM.



- 2.** Open the handset lock on the docking station.



- 3.** Slide the 9575A handset into the dock until fully seated.



- 4.** Rotate the handset lock to secure the handset.



- 5.** Press down on the protective cover to expose the handset's contacts.



- 6.** Slide the mating connector through the guide slot and 'click lock' with the handset.



- 7.** Install audio cable from docking station into the handset's hands-free port.



- 8.** Plug in until fully seated.



## Power On Messages

The 9575A Docking Station cycles through several stages of system-checks and network registrations before being ready to use. Follow the system status by monitoring the 9575A handset, the docking station icon indicators, and the audio output from a connected telephone.

Start-Up Stage	Description
1. Dock Power / Power-On Self-Test (POST)	Dock Power-On / Internal Systems Check
2. Handset Power / POST	Handset Power-On / Internal Systems Check
3. Satellite Search	Handset searches for Iridium satellite network
4. Network Registered	Handset is ready for use

### STAGE 1: DOCK POWER & POST

When first powered on or reset, the docking station initiates a series of system checks which take approximately 15 seconds to complete.

#### Other Status Indicators:

*RJ-11 audio:* Short-long (repeat)

*Dock LEDs:* Will scroll through each



### STAGE 2: HANDSET POWER & POST

When plugged in, the intelligent handset powers up, initializes immediately, and displays the system status.

#### Other Status Indicators:

*RJ-11 audio:* Short-long (repeat)

*Dock LEDs:* **RED** error icon will blink



### STAGE 3: SATELLITE NETWORK SEARCH

Once the 9575A handset has completed its start-up process, it will begin searching for the Iridium satellite network.

#### Other Status Indicators:

*RJ-11 audio:* Short-long (repeat)

*Dock LEDs:* Satellite icon will blink



## STAGE 4: NETWORK REGISTERED

Once the satellite network has been found, the handset will register and be ready to use. Please see the Troubleshooting section if you need assistance.

**Other Status Indicators:**

*RJ-11 audio:* Dial tone

*Dock LEDs:* **GREEN** satellite icon remains lit



## STAGE 5: 9575A UNDOCKED

The docking station indicates when the 9575A handset has been removed.

**Other Status Indicators:**

*RJ-11 audio:* Long-short repeat

*Dock LEDs:* **RED** error icon remains lit



## MAKING OR ANSWERING A CALL: NON-SECURE MODE

SmartDial is a special technology developed to simplify satellite dialing, making the process similar to landline dialing. This technology also simplifies PABX to RJ-11 interface.

### Calling with SmartDial

SmartDial, when used with the 9575A handset, inserts special codes as needed to assist with satellite dialing procedures. It recognizes country and area codes, automatically dialing when the correct number of digits are entered.

*Example:* 14804431424 (automatically dials)

*Example:* 0014804431424# (requires # to initiate)

SmartDial automatically disengages itself when standard satellite dialing prefixes are recognized. See the section below for more information. If the dialing sequence is unrecognized, the call cannot be initiated and the '0 0 #' dialing method must be used.

### Calling without SmartDial

#### RJ-11 / POTS

SmartDial turns off automatically when you enter the following dialing sequence:

1. 0 0 (zero zero)
2. The country code
3. The area code and telephone number
4. # to place the call

The docking station does not recognize country codes or number string lengths with SmartDial off. You must enter all digits correctly and press # to initiate the call. The docking station does not automatically dial with SmartDial off.

#### PRIVACY HANDSET

1. Remove from hang-up cup.
2. Enter the number to call using international dialing sequences.
3. Press the green SEND button to initiate the dialing sequence.
4. Press the red END button to terminate the call.

## Answering a Call

An incoming call will ring the 9575A handset as well as an RJ-11 / POTS-connected phone.

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### RJ-11 / POTS

Go off-hook or press the on / off button on your connected 2-wire phone.

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### PRIVACY HANDSET

1. Remove from hang-up cup.
2. Press the green SEND button to answer.
3. Press the red END button to terminate the call.

## MAKING OR ANSWERING A CALL: SECURE MODE

Secure calls must be placed or answered via the docked 9575A keypad.

**COMSEC NOTICE:** This product was designed for making secure calls via the Iridium 9575A satellite phone. The 9575A is certified by the National Security Agency (NSA) to provide end-to-end security for voice and data communications up to “Top Secret” classification. This protection is ensured for the secure communications portion of use—from the handset to the final destination. Follow all applicable government secure call policies/procedures when operating the Bearcat Secure Sleeve and Iridium 9575A.

### Making a Call

1. Enter the dialing sequence on the 9575A keypad.
2. Connect with a secure destination.
3. Once connected, voice audio settings will default to the privacy handset, unless the handsfree headset is connected.

**NOTE:** When installed in the Blue Sky Network 9575A-HQ-DOD ‘Bearcat’ Docking Station, the Iridium 9575A satellite phone (U. S. government only) disables the speakerphone function when the Iridium Secure Module (ISM2) is installed in the phone. This is to prevent compromise of secure information by an uncleared and unauthorized person. However, the handsfree headset will operate with the ISM installed. Therefore, when the 9575A is installed in the Bearcat docking station, the only method of making a secure phone call is to use the handsfree headset.

### Answering a Call

1. The docked 9575A will ring upon an incoming call.
2. The call can be answered via the 9575A keypad. Answering via the keypad is required for privacy handset use.
3. The voice audio will default to the privacy handset unless the handsfree headset is connected, in which case, it will default to the handsfree headset. Note RJ-11 / POTS is not supported for secure mode operation..
4. The call is terminated via the 9575A keypad or by the connected party hanging up.

**POWER LOSS WARNING:** If power to the docking station is lost or removed while on a voice or data call, it is possible that the 9575A will NOT terminate the call – nor will the docking station be able to terminate the call when re-powered. The docking station will blink the error indicator button and the message “SEARCHING...” will display on the intelligent handset. Additionally, the 9575A will be unresponsive to any key press including the on/off button. The call MUST be terminated at the remote end to regain control of the 9575A. Alternatively, the 9575A may be removed from the docking station so the battery pack on the 9575A can be removed and reinserted, forcing a hard reset of the phone.