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DEVICE DESCRIPTION: Both the SHOUT ns device and the SHOUT nsx device comprises a Power button/911, an LED Status display, an Iridium antenna, a GPS antenna, a Bluetooth antenna, a Bluetooth button/911, and a micro USB interface. Both devices function the same, except the SHOUT nsx is taller, heavier, and has a larger battery for longer mission life than the SHOUT ns device.

SHOUT ns APP Description: The SHOUT ns App is an Android application that runs on an Android device to provide a user interface to the SHOUT ns/nsx device. Before you can perform SHOUT APP texting functions from the SHOUT APP Main Texting screen, you must pair the Android device with the SHOUT ns/nsx device (see Pairing section).

□ IMPORTANT: SHOUT ns/nsx must have a full view of the sky during transmission.





SHOUT APP Main Texting Screen

GPS

IRDM



DEVICE USER INTERFACE

- Power Button :: SHOUT ns/nsx can be turned off and on again by momentarily holding down the Power button for two (2) seconds and releasing it
- Bluetooth Button 🗊 : Press this button for two (2) seconds to activate the Bluetooth link. Press the Bluetooth button again for two (2) seconds to deactivate the Bluetooth link.
- Status LEDS: SHOUT ns/nsx has six (6) status LEDs that include power, battery level (BATT), GPS fix (GPS), Bluetooth state (BT), transmission status (STAT), and Iridium signal (IRDM).
- **USB Port**: A USB micro-B receptacle is located on the right of the chassis, and allows for configuration of and data collection from the SHOUT ns using AT commands NAL's SatTerm console window, and battery charging.
- □ Bluetooth (BT): Provides a secondary command interface to the micro-USB port. This interface can connect with SatTerm running on a Windows[®] PC, and can also establish a Bluetooth connection with a Bluetooth enabled Android device running the SHOUT ns App.



Device Status Display



Micro USB Port



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EMERGENCY/911 MODE ACTIVATION: Activation immediately sends a location report with the Emergency bit set, and thereafter sends location reports at a rate configured in the Emergency Report Rate parameter until the emergency/911 mode is canceled.

- Activate 911 Emergency: Initiate a four (4) button press sequence. Alternate between the Power button first, and then the Bluetooth button for a total of two (2) times each. This action results in all six (6) LEDs blinking at the same time once per second, until the device is turned off.
- □ <u>Cancel 911 Emergency: Press the **Power** button </u>for two (2) seconds to turnoff device. This deactivates the Emergency/911 mode, and will not resume emergency operation until the emergency mode is activated again.

POWER-ON/OFF DEVICE

Press the **Power** button for two (2) seconds, until the Power LED steadily illuminates to turn on the device.

Press the **Power** button for two (2) seconds to turn off the device.
 NOTE: If the battery LED starts blinking in a 1.25 sec on and 0.25 sec off pattern, this indicates the battery requires charging.

CHARGING BATTERY

- □ Fully charge the SHOUT ns/nsx before use. It must be kept in environments between 0°C (32°F) and 45°C (113°F) when charging.
- □ The SHOUT ns/nsx can be charged with the supplied AC wall adapter or connect to a standard USB device.



AC Wall Adapter



USB-A to USB Micro-B Cable



SHOUT ns APP

The SHOUT ns APP runs on an Android device. Before you can perform SHOUT APP texting functions, you must pair the Android device with the SHOUT ns/nsx device.

□ PAIR SHOUT ns/nsx TO ANDROID DEVICE

- 1. Enable the Bluetooth (**BT**) radio in the Android Bluetooth settings of your Android device.
- 2. Press the **Power** button for at least two (2) seconds.
- 3. Press the **BT** button for at least two (2) seconds to activate the Bluetooth link on the SHOUT ns/nsx.
- Verify the Bluetooth LED is blinking to indicate it is in Pairing mode.
 The SHOUT ns App will scan and initialize the settings from the SHOUT ns/nsx.
 After initialization, the SHOUT ns APP Main Text screen appears.

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Scanning for Device

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Initializing Device



SHOUT APP Main Text Screen



SHOUT ns APP DEVICE STATUS SYMBOLS: Device status symbols display along the top three (3) lines of all SHOUT APP screens on the Android device. Some symbols do not appear until an event is initiated, such as sending or receiving a message.





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SHOUT ns APP MESSAGES

Check Messages

- 1. Select **Texting matrix** from the Home screen.
- 2. Select Inbox 📺 from the Texting screen.
 - Read messages have a white opened envelope symbol \square next to them.
 - Unread messages have a green closed envelope symbol.
 - A closed envelope symbol appears at the top of the screen when an unread message(s) is in the Inbox.

□ Compose Message

- 1. Select Texting 🔛 from the Home screen.
- 2. Select Compose 🙀 from the Texting screen .

NOTE: From the Compose menu, you can enter, edit, and send canned messages, free-text messages, or a combination of canned and free-text messages to the NOC server, predefined list of email addresses, and/or any email address(s) entered via the keyboards.

Sent Messages

1. Select Texting from the Home screen, then select Sent from the Texting screen. This displays a list of messages that were successfully sent to the NOC. A message can be resent, forwarded, or deleted.



