



SKYTRAC

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STS Wi-Fi Access Point Quick Start Guide

DOC1103

**Applies To:
STS0062 Wi-Fi Access Point**

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Note: The latest revision of this document is available via the 'Customer Support' link at www.skytrac.ca

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1 Wi-Fi Access Point Quick Start



Figure 1-1: STS Wi-Fi Access Point

Note: STS' Wi-Fi Access Point connectivity is limited to ISAT/DSAT functions, and does not provide general internet access.

1.1 Connecting the Wi-Fi Access Point

STS' Wi-Fi Access Point can be connected to an ISAT-100, ISAT-200, or DSAT-300 using serial port connections. The Wi-Fi Access Point requires external power which can be provided by the ISAT-200 Aux Power output, the DSAT-300 Bluetooth DB9 (pin 9), or external 5-30VDC power source.

The Wi-Fi Access Point has two serial ports. The default port which should be used is Serial Port 1.

Connect the Wi-Fi Access Point in accordance with the following documents. These reference documents can be found via the 'Customer Support' link on www.skytrac.ca.

Note: The WiFi Access Point is a Portable Electronic Device (PED). It is the responsibility of the user to ensure there is no interference with existing aircraft systems.

1.1.1 ISAT-100

Refer to ISAT-100 WiFi Access Point Wiring Diagram (DOC1093)

1.1.2 ISAT-200

Refer to ISAT-200 System Installation Reference Drawing (DOC0461)

1.1.3 DSAT-300

Refer to DSAT-300 - STS0062 Wifi Access Point Wiring Diagram (DOC1091)

Note: When operating on battery power with the DSAT-300 it may take up to one minute for the Wi-Fi Access Point to be detected and power applied to it.

1.1.4 Joining the Wi-Fi Network

Once the Wi-Fi Access Point is running, the associated Wi-Fi network will be accessible Wi-Fi enabled devices. The network is password protected, as shown below. Selecting the Wi-Fi network on a device will prompt the user for a password which, once entered, will join the Wi-Fi network.

The default Wi-Fi network name is **SkyTrac**. The default password is **skytrac1**.

1.2 Custom Configuration

Users may choose to modify the Wi-Fi Access Point configuration settings based on the installation and expected use. Configuration is accomplished through the Wi-Fi Access Point's web interface. Access to the web interface is described below as well as instructions for modifying commonly-used settings.

1.2.1 Accessing the Configuration Web Interface

1. Using a Wi-Fi capable laptop or PC, join the Wi-Fi Access Point wireless network (see 1.1.4)
2. Open a web browser and enter the Wi-Fi Access Point IP address into the address bar (default 192.168.5.1)
3. When prompted for login information, enter username: dpac, password: dpac

1.2.2 Setting the Wi-Fi Network Name (SSID):

1. Select the Express Setup menu on the left side of the screen
2. Enter the new network name into the SSID field
3. Click Commit to save the settings. The device may need to be rebooted for the changes to take effect

1.2.3 Setting the Wi-Fi Network Password:

1. Select the Express Setup menu on the left side of the screen
2. Enter the new password into the WPA/WPA2 Pre Shared Key field
3. Click Commit to save the settings. The device may need to be rebooted for the changes to take effect

1.2.4 Adjusting Antenna Transmit Power:

1. Select the WLAN Settings menu on the left side of the screen
2. Choose a value from the list of options provided
3. Click Commit to save the settings. The device may need to be rebooted for the changes to take effect.

1.3 Factory Reset

In the event that a user wishes to reset the Wi-Fi Access Point to basic factory settings, the following steps should be performed.

Note: Once the device has been factory reset, the Wi-Fi network name (SSID) will be set to the default value 'SkyTrac', and Wi-Fi network password protection will be disabled. Following a factory reset, users should review these settings and update as required.

1.3.1 Resetting to Default Settings:

1. When the module is powered on, press and hold the RESET button on the device
2. With the RESET button depressed, cycle power to the device and continue holding the RESET button for 3 seconds after power is applied

1.3.2 Enabling Wi-Fi Password Protection and Setting the Wi-Fi Password:

1. Select the Express Setup menu on the left side of the screen
2. Set the WLAN Security Type field to WPA/PSK
3. Enter a new password into the WPA/WPA2 Pre Shared Key field
4. Click Commit to save the settings. The device may need to be rebooted for the changes to take effect.