## QUICK START GUIDE

# Thuraya ATLAS IP and ATLAS IP+ Satellite Terminals

Atlas IP+ terminal encompasses all the features of Atlas IP terminal with an additional phone port on the Below Deck Unit in carrying out VoIP phone call and data connection simultaneously. There is no change on the antenna unit. The following guided content is illustrated using the Atlas IP terminal and Atlas IP+ terminal, with the additional phone port.

Antenna Unit
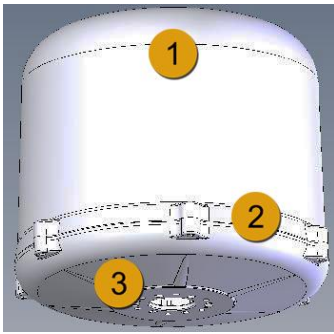
1	Radome Top
2	Radome Bottom
3	Antenna Connector (N-Type)

Modem Unit-Connectivity Ports and Buttons
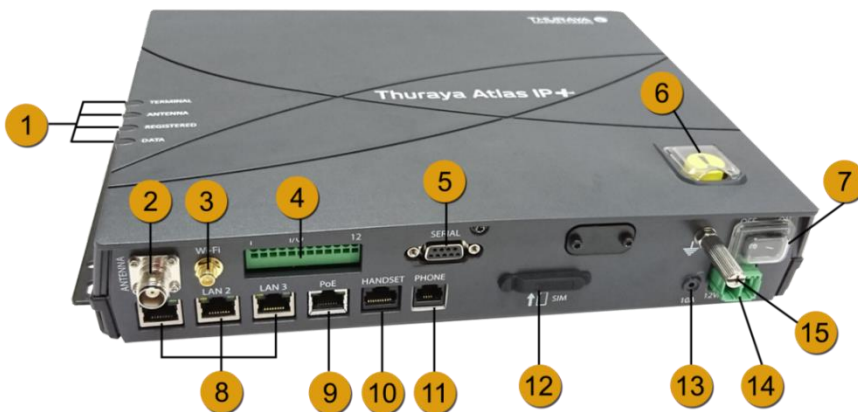
1	Status Indicators
2	Antenna Connector (TNC)
3	Wi-Fi Antenna Connector (SMA)
4	I/O Port
5	RS-232 Serial Port
6	Alert Button
7	ON/OFF Power Switch

8	LAN Ports 1, 2, 3 (RJ45)
9	PoE Port (RJ45)
10	Primary Handset Port
11	*Phone Port (RJ11)
12	SIM Card Slot
13	Circuit Breaker Reset
14	DC Input
15	Grounding Stud

*Only for ALTAS IP+

wideye™
liberating communications

addvalue enabled

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## Above Deck Unit (ADU) Installation
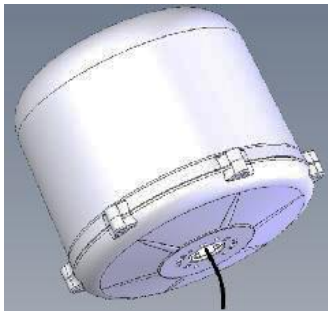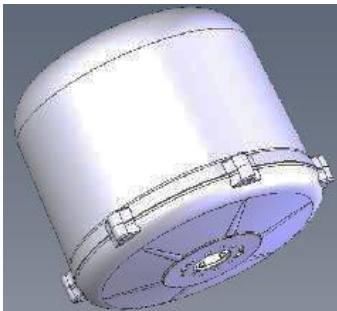
1. Connect the antenna cable to ADU properly without kinking it. Ensure that there is a rubber gasket between ADU's base and the mounting surface of the pole mount or mast.

2. Secure ADU to the pole mount or the mast by using M6 x 25mm screws and the flat washers.

Below Deck Unit (BDU) Installation
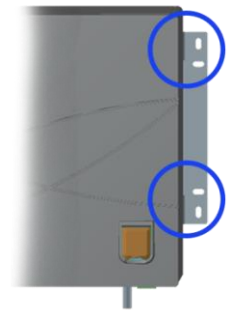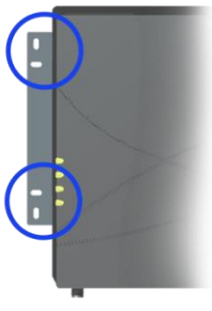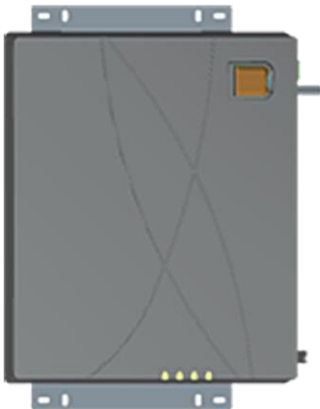
1. Place BDU onto the desired installation area.

2. Secure the left mounting bracket using two M5 x 12mm Self-Tapping screws.

3. Secure the right mounting bracket using two M5 x 12mm Self-Tapping screws.

4. On the BDU's front panel, connect and secure the DC power cable, the antenna cable and the primary handset cable.

Terminal Simplified Block Diagram

+24V/+12V DC
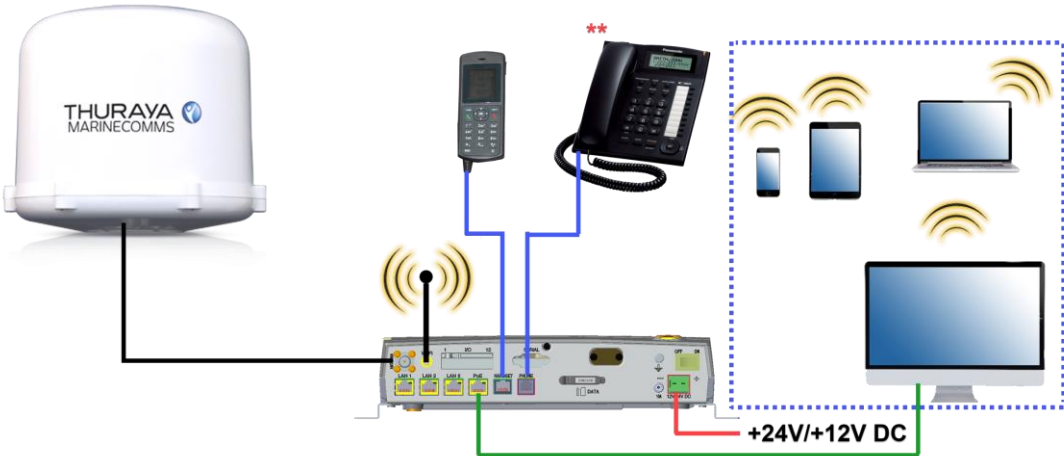
*Only for ALTAS IP+

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A. Getting Started

1. Connect the cables and accessories as shown on the Terminal Simplified Block Diagram on page 2.

2. Insert a Thuraya SIM card, with the gold printed circuit facing down and switch on the terminal.

3. User can access the web console when the Terminal LED turns blinking green while Antenna and Registered LEDs turn green.

   System is ready for normal operation at the default DATA mode.

B. Select DATA or VOICE Mode

1. On the Web Console, select **Settings** > **Admin** > **System Operation Mode**, there are 2 modes of "Data" and "Voice".

2. Select DATA mode for browsing internet, emailing and **calling using the VoIP services.

3. Select VOICE mode for initiating a voice call using a Primary Handset.

Note: When switching between DATA and VOICE mode, it will take about 2 to 3 minutes to take effect.

C. BDU LEDs States

Terminal: • Blinking Green • Steady Red	BDU is functioning. During BDU power up or detect failure.
Antenna: • Steady Green • Steady Red • No Light	ADU is functioning. ADU detects failure. ADU is calibrating.
Registered: • Steady Amber • Steady Green	Registration to network in progress. Registered to network.
Data: • Steady Green • No Light (OFF)	In **Data** Mode, data connection is activated. In **Data** Mode, data connection is not activated. In **Voice** Mode, user can initiate a voice call using the Primary Handset.

Note: Check with your service provider for a valid VoIP service subscription.

• Use Primary Handset (Optional)

❑ For Voice Call

1. On the Web Console, select **Settings** > **Admin** > **System Operation Mode**, click "**Voice**" and then select "**Update Settings**". Check the handset to ensure the voice icon is ON.

2. On the primary handset, dial phone number in the format: **<00><Country Code><Telephone Number>** .

3. Disconnect the call by pressing the key.

❑ For SMS Messaging

1. Select **Menu** > **Messaging** > **OK** > **New message** > **OK**.
2. Enter your text message using the keypad.
3. Select **OK** > **Send**. Check the handset to ensure the data icon is ON.
4. Enter the destination mobile number format: **<00><Country Coode><Telephone Number>** or Select **OK** to choose an existing contact and then select **OK** to send text message.

• Activate Wi-Fi Setting using Web Console

1. Select **Settings** > **Wi-Fi**.
2. Select **Enable** and click **Update**.
   Update successfully completed.
3. Use a Wi-Fi Enabled device to search for Network Name (SSID): **atlas**.
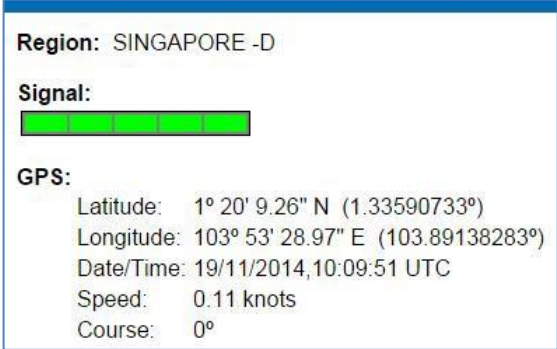
• Activate VoIP Setting for Phone Call using Web Console

1. By default, VoIP is enabled. LED should be steady green in Data mode. Otherwise, select **DATA** > **Connection**, and then select **Activate Default Profile**.
2. Select **Settings** > **VoIP**.
3. Select **Enable** and click **Update**.

   Check for the VoIP icon is activated before making a call.

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Accessing Web Console

1. Open the web browser. Type http://192.168.2.1 in the Address field.	3. Region: SINGAPORE -D Signal: GPS: Latitude: 1° 20' 9.26" N (1.33590733°) Longitude: 103° 53' 28.97" E (103.89138283°) Date/Time: 19/11/2014,10:09:51 UTC Speed: 0.11 knots Course: 0°
2. Type **admin** in Username field and **admin** in Password field. Click **Login**. Username: admin Password: ••••• addvalue enabled Login The terminal will register to the network, and achieve GPS acquisition and satellite region. Note: The same password **admin** also applies for Factory Reset.	The satellite signal bar and the details of the GPS will be displayed after successfully registered into the network.

Deactivating/Activating a Data Session with the Web Console

1. Select **Settings** > **Admin** > **System Operation Mode**, click **Data**, and then select **Update Settings**.
2. On the Web Console, click **Data** , and then select **Connection.**
3. Click **Activate Default Profile**. Standard data session is now active. You can now access the internet.
    Note: To disconnect the Data session, click **Disconnect**.

Tips and Troubleshooting

Primary Handset (Optional)
Unable to make outgoing call
- Ensure the terminal is set as **Voice** mode.
- Ensure the Voice icon is highlighted on the handset.
- Ensure a correct number format is being dialled.
- Ensure BDU LED states show as below:
    Terminal: Blinking Green   Antenna: Green
    Registered: Green   Data: OFF

Web Console
Unable to access Web Console
- Ensure that there is no issue with the Ethernet connection.
- Ensure that IP address is entered correctly.
- Refresh the browser after correcting the problem.

Data Connection
Unable to activate Data session
- Ensure the terminal is set as **Data** mode.
- Ensure a valid APN.
- Ensure good satellite signal strength.
- Ensure the Data icon is highlighted.
- Ensure a SIM card supports PS services.
- Ensure a Prepaid Credit is not exhausted.
    Note: PS – Packet Switch

Unable access internet after Data Session is activated.
- Ensure the proper PC/Laptop Ethernet settings.
- Ensure no firewall/proxy settings are preventing access to the BDU.
- Ensure that PC/Laptop is configured to obtain IP address automatically (DHCP).