

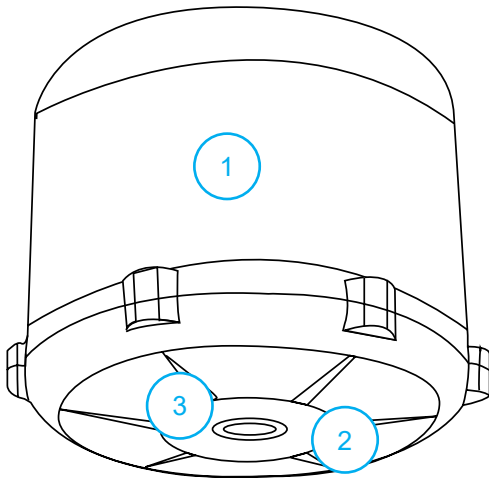
iFleetONE™

Satellite Terminal

Ver : 2.0

Date : 26 August 2021

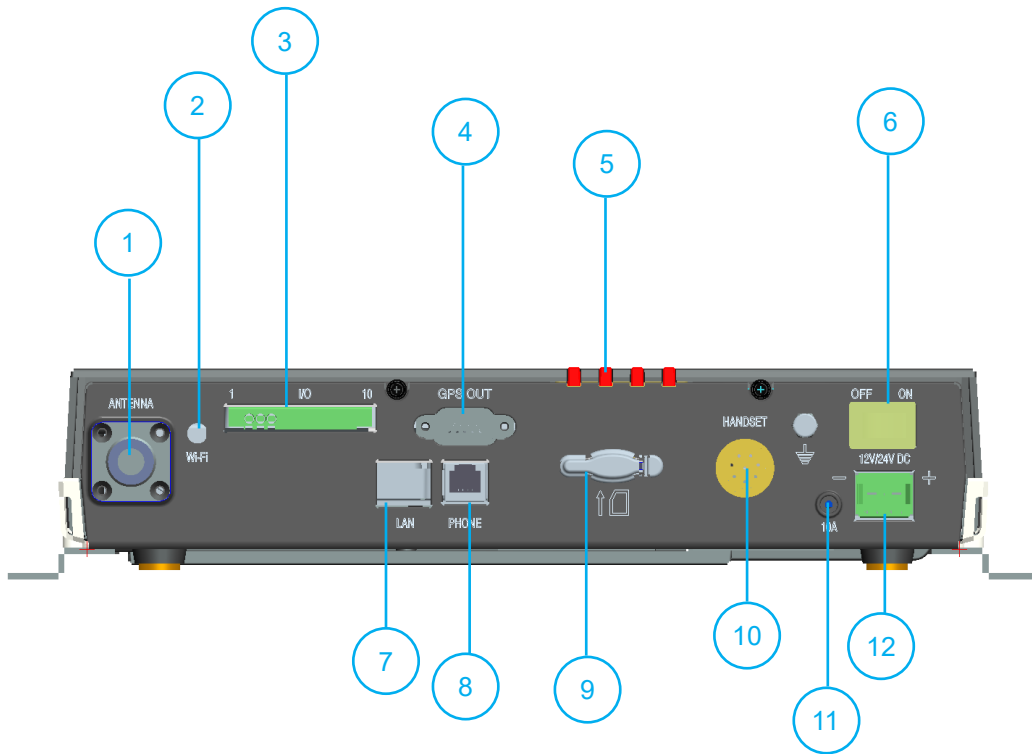
iFleetONE Antenna Unit



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

Figure 1: iFleetONE ADU

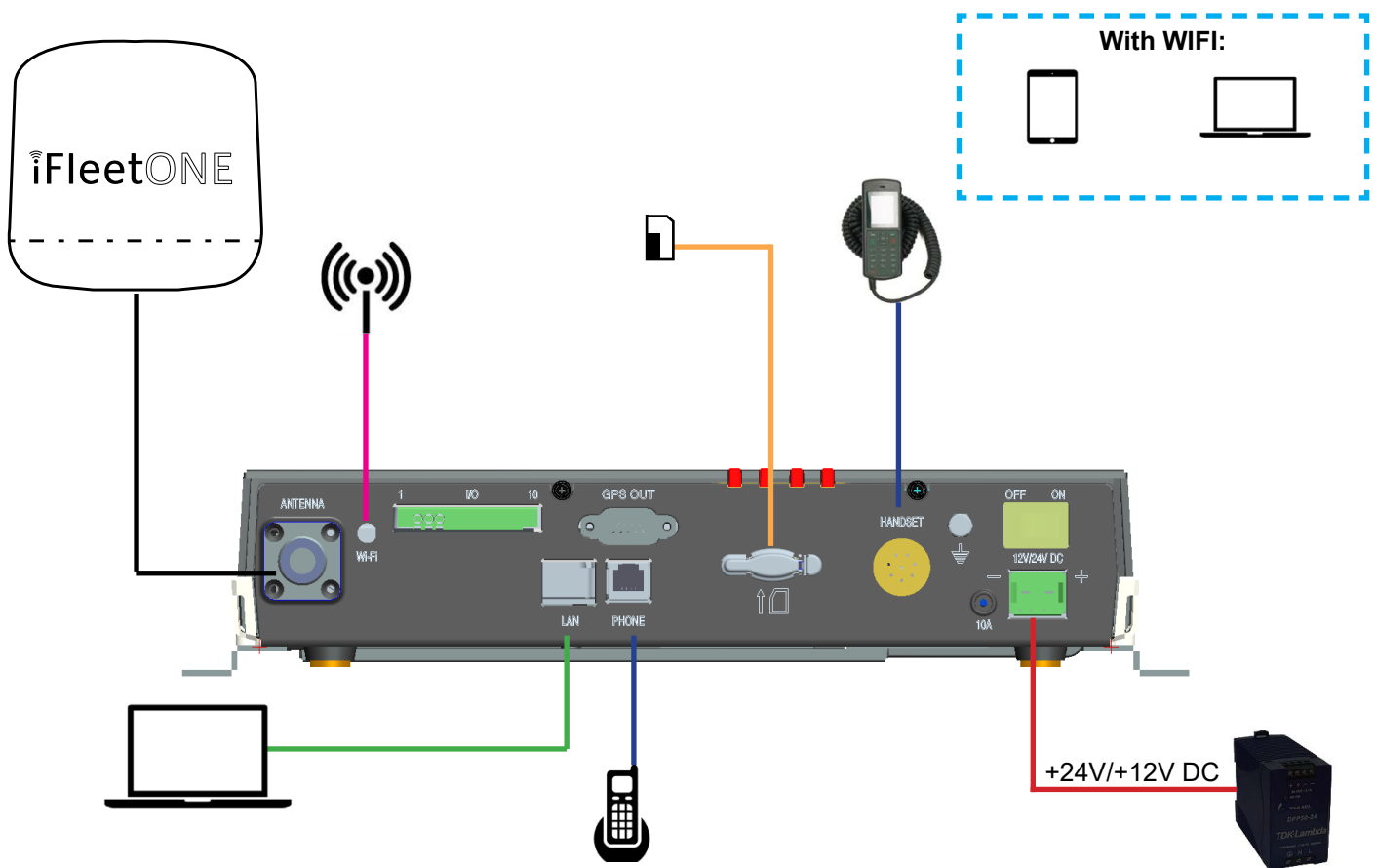
iFleetONE Modem Unit



1. Antenna Connector (N-Type)
2. Wi-Fi Antenna
3. I/O Port
4. GPS Output Port
5. Status LEDs
6. ON / OFF Switch

7. LAN Port
8. RJ11 Port
9. SIM Card Slot
10. Primary Handset Port
11. Circuit Breaker Reset
12. DC Input

iFleetONE Terminal Simplified Block Diagram



Above Deck Unit (ADU) Installation

1



Connect coaxial cable to ADU properly without kinking it, before installing it on the pole mount or mast's mounting surface

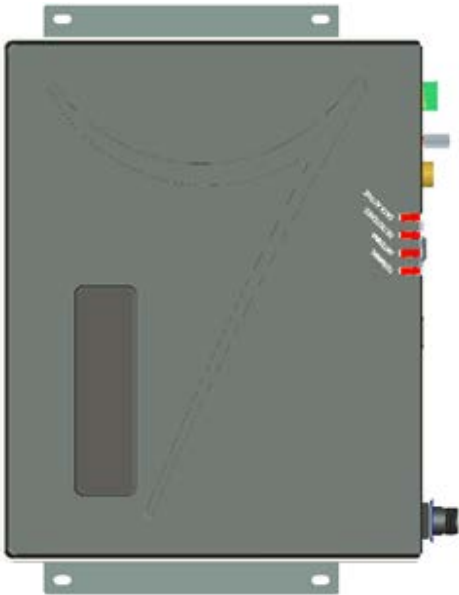
2



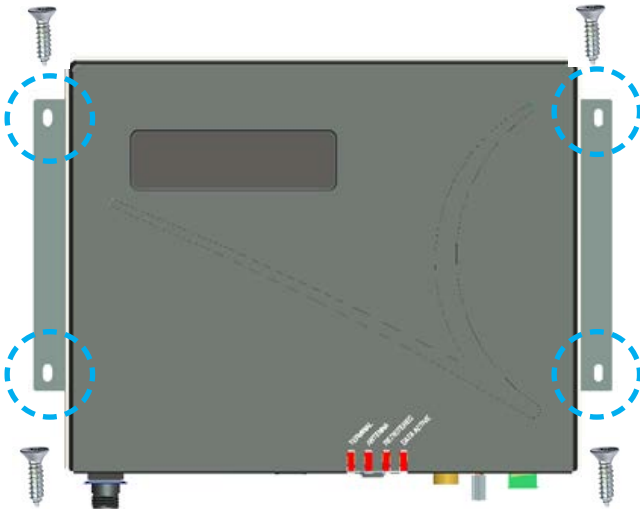
Secure ADU to the pole mount or mast by using M6 x 20mm screws and flat washers.

Refer to Installation Manual for more detailed information on the mounting of ADU.

Below Deck Unit (BDU) Installation



Place BDU onto the desired installation area.



Secure the right and left mounting bracket using M5 x 12mm Self-Tapping Screws (2x).





Connect and secure DC power cable, antenna cable and primary handset cable to the BDU's front panel

Getting Started

- Connect the cables and accessories as shown in Terminal Simplified Block Diagram.
- Insert a Fleet One SIM card, with the gold printed circuit facing down.
- Switch on the terminal.
- User can access the web console when the **Terminal** LED turns green.
- System is ready for normal operation when the **Terminal**, **Antenna** and **Registered** LEDs turn green.

Using the Optional Primary Handset

- On the optional primary handset, dial phone number in the format:
<00><CountryCode><Telephone Number> 
- Disconnect the call by pressing the  key.

Using a Corded Analog Telephone

- Lift the handset or press the off-hook button, listen for the dial-tone and dial phone number in the following format:
<00><Country Code><Telephone Number><#>.
- Hang-up to disconnect.

Sending an SMS using the Optional Primary Handset

- Select **Menu>Messaging>OK>New message>OK**. Enter your test message using the keypad.
- Select **OK > Send**.
- Enter the destination mobile number format:
<00><Country Code><Telephone Number>
OR
Select **OK** to choose an existing contact and then select **OK** to send text message.

BDU LED States

Status	Meaning
TERMINAL	
Steady Amber	Terminal (BDU) is powering up.
Steady Green	Terminal (BDU) has powered up successfully.
Steady Red	Terminal (BDU) has detected a failure state.
Blinking Red	VMS Alarm Notification.
ANTENNA	
Steady Amber	ADU is powering up.
Steady Red	ADU has detected a failure state.
Blinking Amber	ADU is calibrating.
Blinking Green	System is performing satellite search.
Steady Green	System has locked onto satellite.
No light (Off)	ADU is in OFF state.
REGISTERED	
Steady Amber	Attempting network registration
Steady Green	Ready for all (Voice and Data).
Steady Red	Network failure / Registration error.
Blinking Amber	Ready for Voice only.
Blinking Green	Ready for Data only.
No light (Off)	No network service.
DATA ACTIVE	
Steady Amber	Activating data connection.
Steady Green	Data connection is ready.
Steady Red	Data activation failure
No light (Off)	No data connection.

Useful Password Reference:

- Web Console Username: **admin** (Default)
- Web Console Password: **1234** (Default)
- Terminal Pin: **0000** (Default)
Also applies to Factory Reset password.

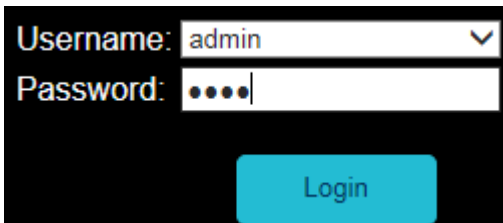
Accessing Web Console

1

192.168.1.35

Open the web browser, type `http://192.168.1.35` in the Address field.

2



Username: admin
Password: 1234
Login

Type in **admin** in Username field and **1234** in Password field. Click **Login**.

3

Status:

Registered to network	Yes
Data connection active	No

Activate Data Connection

Signal:

61 dB



GPS:

Last acquired:	Wed Mar 30 2016, 09:45:14 UTC+0800
Lat:	40° 31' 58.72" N
Long:	3° 39' 21.41" W
Type:	3D (NEW)

Temperature: Normal

The terminal will automatically acquire the GPS location and register to the network. This would take 1.5 to 2 minutes.

Deactivating / Activating a Data Session with the Web Console

1



On the Web Console, click on the **“Home”** icon.

2

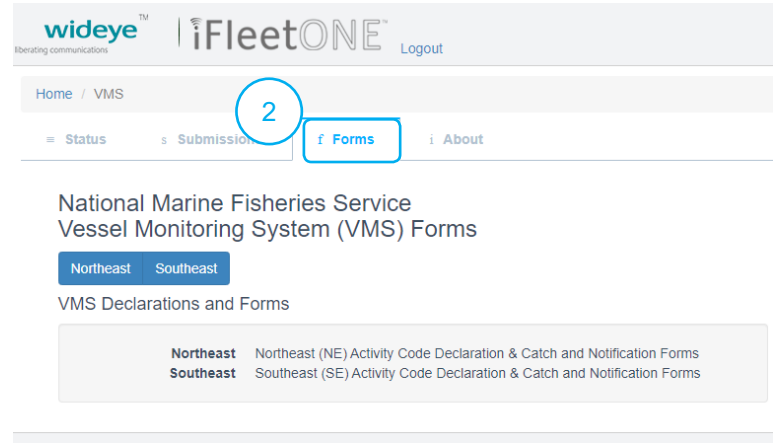
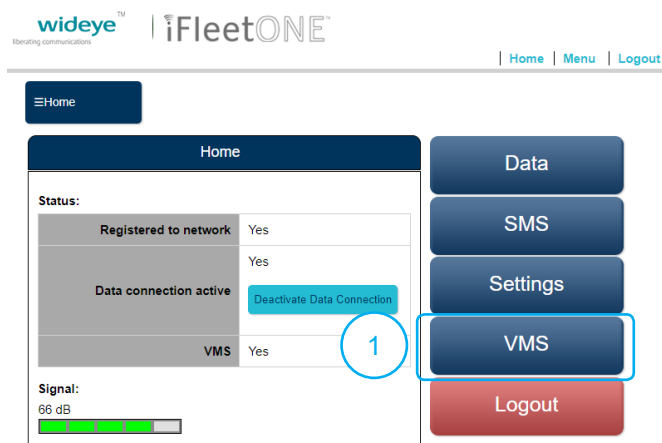
Status:

Registered to network	Yes
Data connection active	No

Activate Data Connection

- Click on the **“Activate Data Connection”** icon. Standard Data Session is now active and user can access the Internet.
- To disconnect Data Session, click on **“Deactivate Data Connection”**.

Accessing VMS Forms / Declarations:



Tips and Troubleshooting

Primary Handset

Unable to make outgoing call

- Ensure a correct number format is being dialled.
- Ensure proper BDU LED states;
Terminal : Green
Antenna : Green
Registered : Green
Data Active : Off or Green

Unable to receive incoming call

- Ensure all other telephony devices are hung up properly.

Web Console

Unable to access Web Console

- Ensure that there is no problem with the Ethernet connectivity.
- Ensure that IP address is entered correctly.
- Try to refresh the browser after correcting the problem.

Data Connection

Unable to activate Data Session

- Ensure you are using a valid APN.
- Ensure that the signal strength is good.
- Ensure your Fleet One SIM card supports PS services.
- Ensure your prepaid credit is not exhausted.

Unable to access internet after Data Session is activated.

- Ensure 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).

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