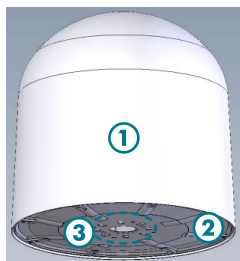
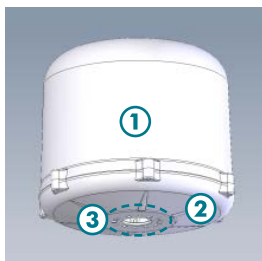


FX SERIES QUICK START GUIDE

General Assembly



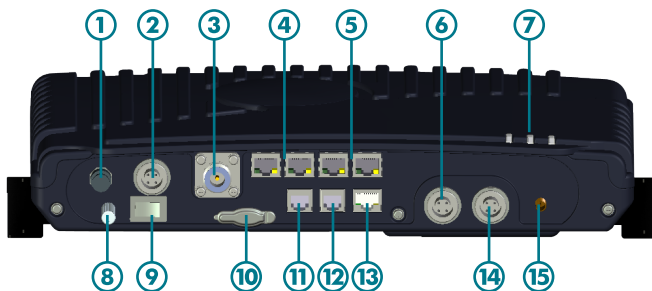
FX 500 ADU



FX 250/150 ADU

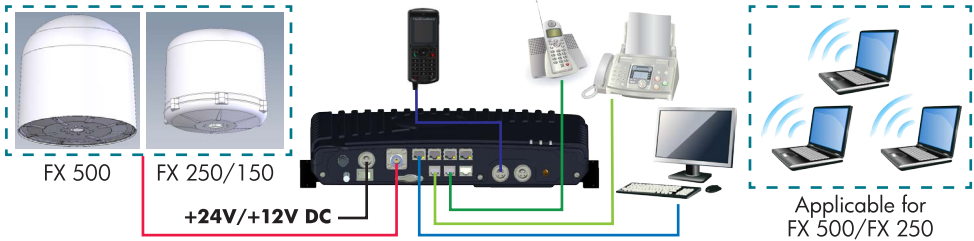
1. Radome Top
2. Radome Base
3. Antenna Port

FX 500/250/150 BDU



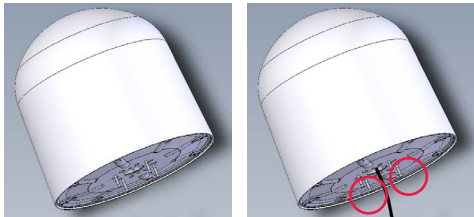
- | | |
|-----------------------------|------------------------------------|
| 1. Circuit Breaker Reset | 9. Power Switch |
| 2. DC Supply Input | 10. SIM Card Slot |
| 3. Antenna Input | 11. FAX Port |
| 4. Power over Ethernet 1, 2 | 12. PHONE Port |
| 5. LAN 1,2 (Only FX500/250) | 13. GPS Out |
| 6. Primary Handset | 14. I/O Port |
| 7. LEDs Diagnostic Status | 15. Wi-Fi Antenna (Only FX500/250) |
| 8. Ground Stud | |

FX 500/250/150 Terminal Simplified Block Diagram



Above Deck Unit Installation

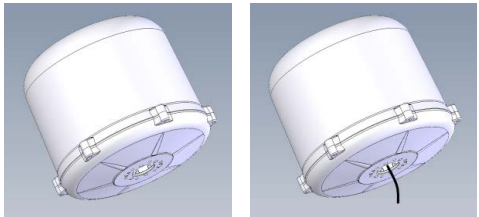
FX 500 ADU



Connect coaxial cable to ADU properly without kinking it before its installation on mounting surface of the mast.

Secure ADU to the mast by using M10 Hex Nuts and flat washers.

FX 250/150 ADU



Connect coaxial cable to ADU properly without kinking it before its installation on mounting surface of the pole mount or mast.

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

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

Below Deck Unit Installation

FX 500 / 250 / 150 BDU



Place BDU onto the desired installation area.

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

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

On the BDU's front panel, connect and secure DC power cable, coaxial antenna cable, primary handset cable and other optional devices.

Graphical Representation Only. Actual hardware may vary based on model configuration.

Getting Started

- Connect the cables and accessories as shown in Terminal Simplified Block Diagram.
- Insert a FBB SIM card, with the gold printed circuit facing down, and switch on the FX 500 terminal.
- User can access the web console when the Terminal LED turns green.
- System is ready for normal operation when all LED lights turn green.

Using Primary Handset

- Press any key to wake-up the Handset and dial phone number in the following format: **<00><Country Code><Telephone Number>.**
- Disconnect the call by pressing the **✖** key.

Using Corded Analog Telephone

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

Using Fax Machine

- Connect the fax machine to the BDU's FAX port.
- Place the documents to be sent on the fax machine.
- Dial the number on the fax machine, using the following format: **<00><Country Code><Destination Fax Number><#>.**
- Wait until the fax is sent.
- The fax machine will ring when there is an incoming fax, receive fax as any normal fax machine would work on a land line (PSTN).

Sending an SMS using Handset

- Select **Menu > Messaging > New Message.** Enter your text message using the keypad.
- Select **OK > Send.**
- Enter the destination mobile number using format: **<00><Country Code><Telephone Number>.**
- **OR**
Select **OK** to choose an existing contact.
Select **OK** to send text message.
- Refer to User Manual for sending SMS via Web Console.

Connecting a data session with handset

- Select **Menu > Data > Status > Options > Activate Primary > Standard.**
- When prompted, "This profile is charged by volume. Activate?", press **<YES>.**
- Wait for the Data Session to be activated.
- You may now browse the Internet, transfer email, file transfer (FTP) or run any system compatible IP based applications services.

Disconnecting a data session with handset

- Select **Menu > Data > Status > Options > Deactivate.**
- When prompted, "Deactivate this profile?", press **<YES>.**
- Your data session is now inactive.

Activating Wi-Fi setting

- Select **Menu > Setup > Wi-Fi > Setup.**
- Select **Enabled** and click **Update.**
- Use a Wi-Fi Enabled device to search Network Name (SSID): **Wideye-GenericAP**
- On the device, select connect to the network.
For further Wi-Fi security settings via Web Console, refer to User Manual.

BDU LED States

Terminal:

- Steady **Amber**: BDU is powering up.
- Steady **Green**: BDU successfully powered up.
- Steady **Red**: BDU detects failure.
- Blinking **Amber**: BDU switching OFF

Antenna:

- Steady **Amber**: ADU is powering up.
- Steady **Red**: ADU is not OK/Error.
- Blinking **Amber**: ADU is calibrating.
- Blinking **Green**: System searching for satellite.
- Steady **Green**: System locked on to satellite.

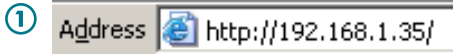
Registered:

- Steady **Amber**: Attempting network registration.
- Steady **Red**: Network failure
- Blinking **Amber**: Ready for voice only.
- Blinking **Green**: Ready for packet data only.
- Steady **Green**: Ready for all (Voice and Data)

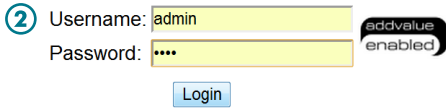
Useful Password Reference:

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

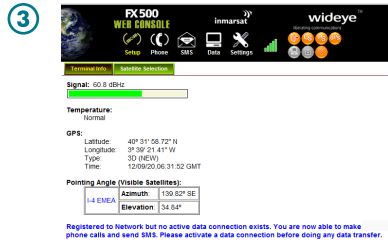
Accessing Web Console



Open the web browser.
Type http://192.168.1.35 in the Address field.



Type in **admin** in the Username field and **1234** in the password field. Click **Login**.

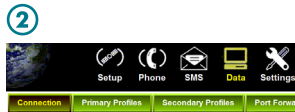


The terminal will automatically register to the network, achieve GPS acquisition and satellite tracking which will take a few minutes.

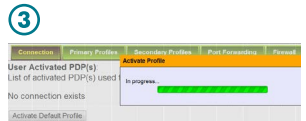
Activating/Deactivating a Data Session with the Web Console



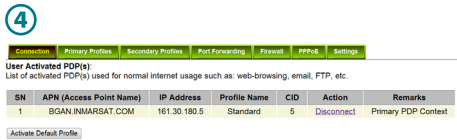
On the Web Console, click on the **"Data"** icon.



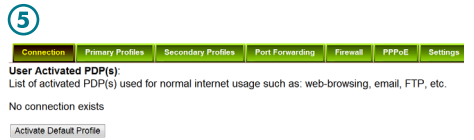
Select **"Connection"** Tab.



Click on the **"Activate Default Profile"** button.



Standard Data Session is now active and user can access the Internet.



To disconnect the data connection, click on **"Disconnect"**. Data connection is inactive now.

Tips and Troubleshooting

Primary Handset

Unable to make outgoing call

- Ensure a correct number format is being dialed.
- Ensure proper BDU LED states.

Unable to receive incoming call

- Ensure all other telephony devices are hang up properly.
- Ensure the phone ports are configured correctly.

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 Primary PDP context

- Ensure you are using a valid APN.
- Ensure that the signal strength is good.
- Ensure that the PS status icon is highlighted.

- Ensure your SIM card supports PS services.
 - Ensure your prepaid credit is not exhausted.
- #### Unable to access internet after Primary PDP context activation
- Ensure proper PC/laptop Ethernet settings.
 - Ensure no firewall/proxy settings are preventing access to the BDU.
 - Ensure that the PC/laptop is configured to obtain IP address automatically (DHCP) or with static IP address in the range: 192.168.0.1 - 192.168.254.254
- #### "Always On" feature is not working
- Ensure feature is enabled via Web Console.
 - A standard background connection has to be manually activated for the first time after enabling this feature.