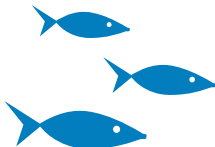




EntelNet



VMS Tracking

(Single Band - Cellular ETERM-C)

ISO442 rev D, 06/2021

Notice - The FB ETERM-C™ VMS system is only an aid to operation of a boat. The performance of the system and the system performance specifications can be affected by many factors including but not limited to equipment failure, environmental conditions, improper installation, handling and/or use.

This device should not be used for any navigational or safety purpose. The FB ETERM-C™ VMS is used at your sole risk and in no event shall Faria Beede Instruments, Inc. be liable for any costs, losses, liabilities, damages, expense or claims of any nature incurred or sustained in respect of this device or its use. You further indemnify and hold harmless Faria Beede Instruments, Inc. from any liability or loss resulting from use of the device.

Parts List

PART #	DESCRIPTION	QTY.
ID9008	Faria Beede ETERM-C™	1
HN9112	ETERM-C Power harness	1
BK0143	VESA 75mm Folder Bracket, ETERM	1

System Information

- The FB ETERM-C™ is designed for fast and easy installation on any size boat.
 - The system has internal GPS and GSM antennas, so no external antenna or connections are required.
 - The FB ETERM-C™ VMS contains an internal back-up battery that will provide up to 8 hours of service if main power supply is lost.
 - The system can be installed on either 12 or 24 vdc and will operate from 9 to 36 vdc.
 - Our products can comply with ISO7637 12V system grade IV, 24V system grade IV
- In the ISO 7637, we can comply with 5 a partial standard 4 Ω 350 ms.

Installation Instructions

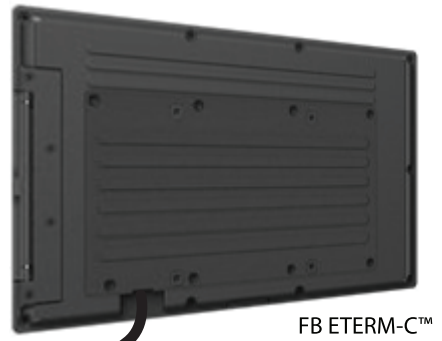
1. Find a location for the FB ETERM-C™ VMS to be installed that will have a clear view of the sky and that is convenient for the vessel operator to send and receive e-mails and e-forms, and to see system status.
2. The system will transmit through fiberglass. For a metal vessel install the unit near a window.
3. Connect the system to an unswitched 12 or 24-volt power source. NOAA requirements are that the system must be power and reporting 7 by 24. The system's back-up battery will provide for up to 8 hours of hourly reporting. All complete power downs are reported to NOAA.

The device should start up once connected to a power source.

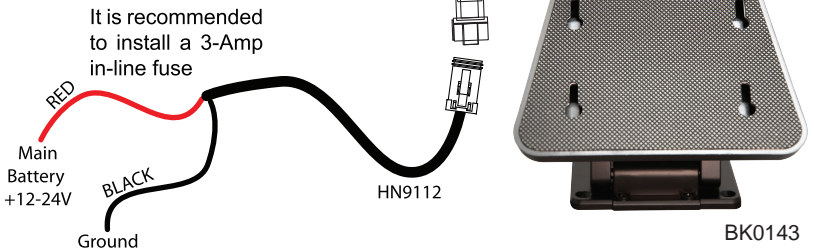
Harness Connection and Mounting



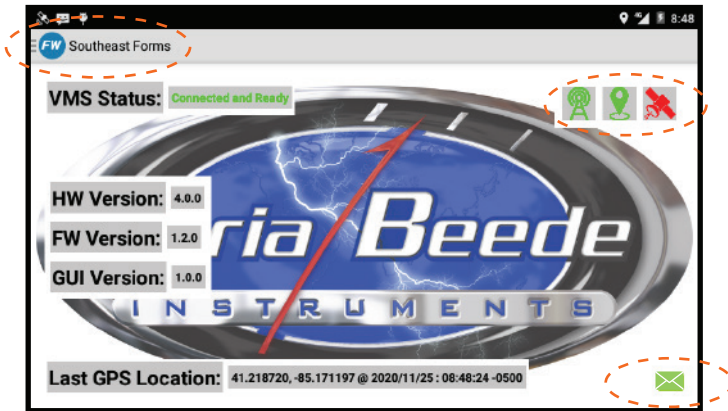
HN9112



FB ETERM-C™




Main Screen - Reports and Email







After the unit is finished powering up you will see the FB ETERM-C™ landing screen appear.

This is the main screen from where you can see the **device communication status**, as well as access **Southeast Forms** and your **email services**.




To access this screen at any other time from the FB ETERM-C™ Android desktop, just press the  Southeast Forms icon

Operation

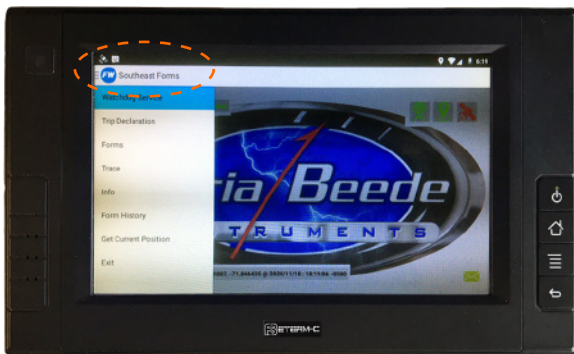
External Button Functions

-  Sleep / On / Off Button Press and release to put unit to sleep
Press and hold to power off or reboot
-  Access the desktop Use to access Android desktop
-  Quick-menu Access menu items when available
-  Previous/Back Returns to previous screen

Communication Status Icons

-  Cellular Service Status Indicates cellular connection
-  GPS Position Status Indicates GPS active or not
-  Satellite Communication Satellite is not supported

Accessing Forms, Reports, etc.

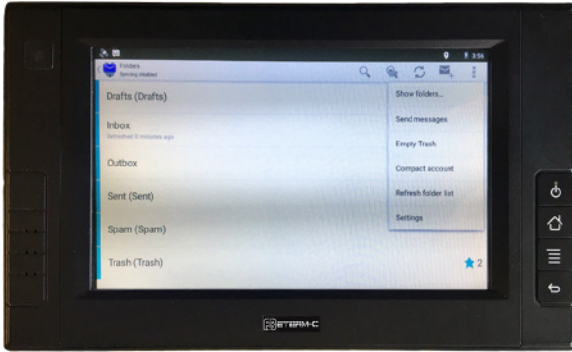


Note: Be sure you are connected to cellular and GPS before entering forms or sending e-mail.

Press the **Southeast Forms** icon on the upper left of the screen to enter your fisheries information.

Pressing the **FW Southeast Forms** icon will open up the menu from which you can enter your daily report, access forms, GPS position, and all other Form features.

Accessing and using Email



K-9 Mail






From the FB ETERM-C screen press the e-mail icon (envelope) on the bottom right side of the screen.

From the Android desktop press the K-9 Mail icon

 Search e-mails  Refresh Inbox  Sort e-mails by  Additional Options





The K-9 Mail application will open and the screen will show your in-box. You are now ready to send and receive e-mail.

Writing and Sending an e-mail:

1. Press the  icon to start a new e-mail.
2. Enter the e-mail address(es) of the recipient(s) either by typing them or by pressing the quick menu  icon to Add from Contacts.
3. Enter subject and message text.
4. To send your e-mail press the  icon.

Managing Email Contacts:

From the Android desktop:

1. Press on the  icon
2. Your Contacts will open.
3. Press on the  icon to add new contacts.
4. Press on the  arrow icon to finish and save your contact.
5. Press on the  icon to delete contact.

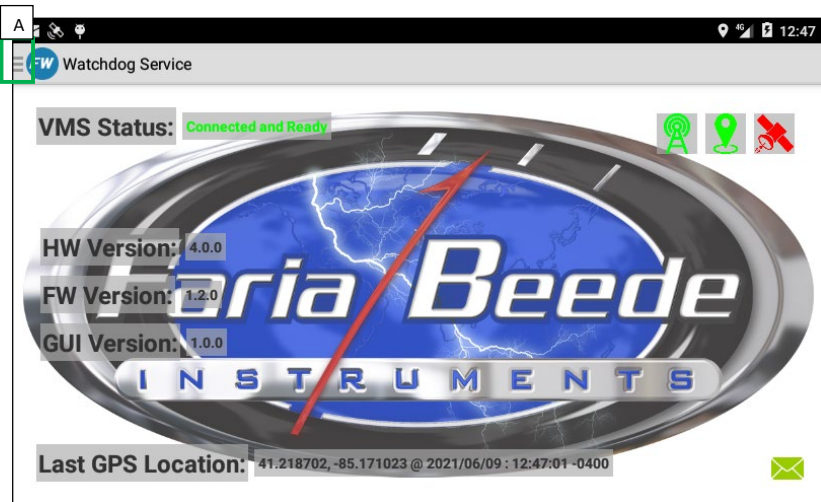
The next section of this manual will detail how to log on to and manage your vessel from the VMS tracking web console.

FOR HIRE DECLARATION AND LOGBOOK INSTRUCTIONS

MAIN SCREEN

This is the Main Screen for the FB Eterm-C. This screen provides all of the essential information you need to ensure your device is reporting as required. This screen also provides a link to your SE For Hire Declaration form and your SE For Hire Logbook form.

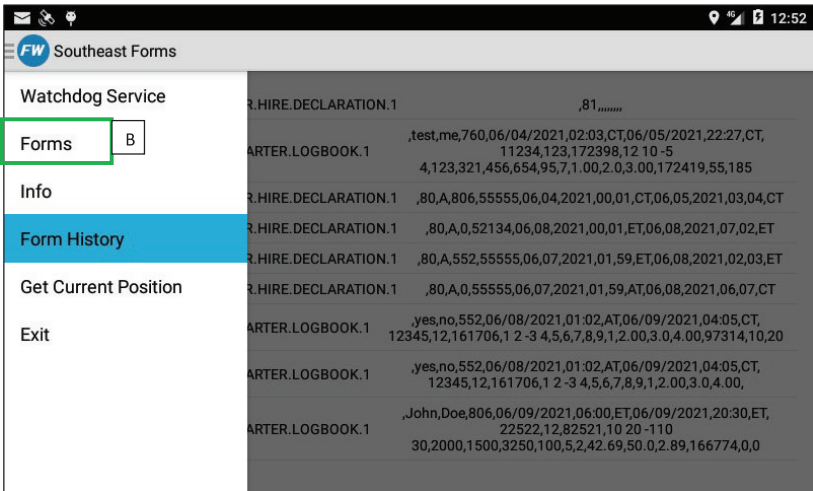
Click on the 3 bars at the top left of the screen to get to the forms (see location A on image below).



You should see the following drop down when you click on the bars. The example below shows the multiple links to information you can get to from this dropdown. The picture below shows Form History. This details the log of forms that you have sent using the FB ETERM-C.

How to retrieve and submit your required Declarations and Cat Reporting (Logbook)

1. Click the 3 bars at the top left of the screen
2. Select **Forms** from the drop down menu (see location B on the image below)
3. The next screen will appear with two options
 - a. Click **For Hire** to submit your Declaration prior to leaving the dock (more details on page 6)
 - b. Click **For Hire Logbook** to submit your Catch reporting (more details on page 9)



FOR HIRE DECLARATION

The declaration page starts with two selections. If you are going out for a Non-Fishing trip, simply **click** the bubble to the left of “Intended Non-Fishing Trip” (See location C in the above below). Make sure the circle is blue, and then click on SEND REPORT (see location C in the image below).

The screenshot shows the 'Forms' app interface. At the top, there are two tabs: 'For Hire' (active) and 'For Hire Logbook'. Below the tabs, there are two radio button options: 'Intended Fishing Trip' and 'Intended Non-Fishing Trip'. The 'Intended Non-Fishing Trip' option is selected, indicated by a blue dot in the bubble, and is enclosed in a green rectangular box labeled 'C'. At the bottom of the screen, there is a 'Send Report' button, which is also enclosed in a green rectangular box labeled 'D'.

If you are going out on a fishing trip, simply **click** the bubble to the left of “Intended Fishing Trip” (See location E in the image below). A drop down will appear in the window titled “Trip Type”. Select the appropriate category for the type of fishing planned (see location F in the image below).

The screenshot shows the 'Forms' app interface. At the top, there are two tabs: 'For Hire' (active) and 'For Hire Logbook'. Below the tabs, there are two radio button options: 'Intended Fishing Trip' and 'Intended Non-Fishing Trip'. The 'Intended Fishing Trip' option is selected, indicated by a blue dot in the bubble, and is enclosed in a green rectangular box labeled 'E'. Below the radio buttons, there is a 'Trip Type' dropdown menu. The dropdown menu is open, showing four options: 'Commercial', 'For-Hire: Charter', 'For-Hire: Headboat', and 'Recreational (private angler)'. The 'For-Hire: Charter' option is highlighted by a green rectangular box labeled 'F'. Below the dropdown menu, there is a 'Send Report' button.

Once you have selected the appropriate category, the screen will change and present the proper form that needs completed prior to leaving the dock.

Make sure to complete all of the necessary information and click on SEND REPORT (see location G in the image below) when you are ready to submit your Declaration.

FW Forms

For Hire | For Hire Logbook

Intended Fishing Trip | Intended Non-Fishing Trip

Trip Type: For-Hire: Charter

Check box if Commercial Reef Fish Vessel

Gear Code: Bully Nets | 552 | Landing Location Code: 0000

Trip Start Date: MM/DD/YYYY | Trip Start Time: HH: HR | MM: MIN | Time Zone: ET

Trip End Date: MM/DD/YYYY | Trip End Time: HH: HR | MM: MIN | Time Zone: ET

Send Report **G**

Example of completed Declaration:

FW Forms

For Hire | For Hire Logbook

Intended Fishing Trip | Intended Non-Fishing Trip

Trip Type: For-Hire: Charter

Check box if Commercial Reef Fish Vessel

Gear Code: By Hand (diving ge.. | 750 | Landing Location Code: 12345

Trip Start Date: 06/09/2021 | Trip Start Time: HH: 06 | MM: 00 | Time Zone: ET

Trip End Date: 06/10/2021 | Trip End Time: HH: 05 | MM: 30 | Time Zone: ET

Send Report

FOR HIRE LOGBOOK (Catch Reporting)

Click on the “For Hire Logbook” button (see location H in the image below) to complete the Catch Reporting Forms. **You must complete all 3 pages.**

Page 1:

Complete all field with details from your trip, then click “Page 2” button at the bottom of the screen (see location I in the image below).

The screenshot shows a mobile application interface for 'FW Forms'. At the top, there are two tabs: 'For Hire' and 'For Hire Logbook'. The 'For Hire Logbook' tab is selected and highlighted with a green box, with a small 'H' label next to it. Below the tabs, the form contains several input fields: 'Captain's First Name', 'Captain's Last Name', 'Gear Code' (set to 'Bow & Arrow'), and '806'. There are also fields for 'Trip Start Date', 'Trip Start Time', 'Trip End Date', and 'Trip End Time', each with sub-fields for MM, DD, YYYY, HH, and MIN. Below these are 'End Port' (00000) and 'Number of hours fished' (000). The 'Primary Target Species' is set to 'OTHER'. There are fields for 'Species Name' (with a small 'I' label above it) and 'ITIS Code'. At the bottom, there are four buttons: 'Page 1', 'Page 2' (highlighted with a green box and labeled 'I'), 'Caught Species', and 'Submit'.

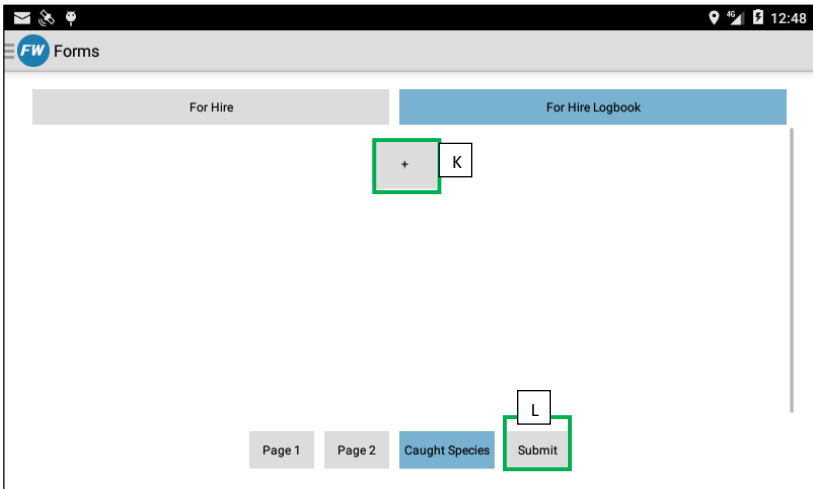
Page 2:

Complete all fields with the details from your trip, then click “Caught Species” button at the bottom of the screen (see location J in the image below).

The screenshot shows the second page of the 'For Hire Logbook' form. At the top, there are two tabs: 'For Hire' and 'For Hire Logbook'. The 'For Hire Logbook' tab is selected. Below the tabs, the form contains several input fields: 'Primary Area Fished: Latitude N 00 ° 00 ' Longitude W 000 ° 00 ''', 'Primary Fishing Depth (ft) 00000', 'Minimum Fishing Depth (ft) 00000', and 'Maximum Fishing Depth (ft) 00000'. There are also fields for 'Number of Anglers: 00000', 'Number of Paying Passengers: 000', and 'Number of Crew 00'. Below these are 'Trip Fee (USD) 00000.00', 'Fuel Used (gallons) 0000.0', and 'Price of Fuel per gallon 00.00'. At the bottom, there are four buttons: 'Page 1', 'Page 2', 'Caught Species' (highlighted with a green box and labeled 'I'), and 'Submit'.

Page 3 (Caught Species):

You must enter all species of fish caught during the trip. Click on the "+" as many times as necessary to include all of the species that were caught during your trip (see location K in the image below). Click on the SUBMIT button to submit your Logbook/Catch Report (see location L in the image below).



LOG ON to:

www.vmstracking.com

Use the e-mail address and password you supplied when registering your FB ETERM-C™ VMS purchase prior to installation.

Now that you have successfully logged onto your vessel's web page, you can begin to navigate through all of the features of the FB ETERM-C™ system. When you finish with this section you will have:

1. Set-up your lists of persons to be notified in the event assistance is required from your vessel, who will be notified of a low battery condition, and who you would like to get your vessel's daily report.
2. Become familiar with all of the options available to you within your web page.

The first thing you will see after logging into the www.vmstracking.com web site using your User log-in and password, will be the "Vessel Status" page.

Vessel Status

The "Vessel Status" page gives you all of the information available from your FB ETERM-C™ system.

Status Bar

Located on the at the top of the page, this gives you a snapshot of information regarding your vessel. This information includes the following:

Speed

This is the last reported speed, in MPH, of your vessel.

Heading/Direction

This is the last reported heading, or direction, of your vessel.


Lat & Lon

Shows your vessel's coordinates.

Last Position

This is the date and time of the last position reported of your vessel.

Map

The map shows you a graphical representation of your vessels location. You can change the view from Map to Satellite or a combination of both (Hybrid) by pressing the  tab on the right-hand side of the screen.

On each of the maps you can use the Zoom tool bar to zoom in or out of any map. Or you may click on the map to drag the view to other areas. The map will reposition itself.

Message Log

This page will list all of the messages that have been sent and received by your FB ETERM-C™ System.

You may select how much information you would like the page to display by selecting from the options in the drop down box. You may select "TODAY," "YESTERDAY," "LAST WEEK," "LAST MONTH" or "ALL."

Position Log

Click on the "Position Log" button.

This screen will give you access to the exact latitude and longitude of your vessel as reported by the Faria FB ETERM-C™ system. You can select the amount of information you wish to have displayed on this page by selecting from the options in the drop down box.

Alert Status

The boxes on the bottom of the page, under the map, show your Main Battery Voltage, and your Assistance Notification.

The smaller boxes indicate if the sensors are Active, Inactive, in Alert Mode or OK.

Settings

You can control various alerts in "Settings". Press "Settings" located to the far right in the menu below the status bar.

Begin by selecting the Time Zone that your vessel will be operating in. Next, enter the time you would like your daily report e-mailed to you.

Battery Level Alerts

An alert will be sent via e-mail or cell phone, as requested in the set-up page (see Notifications, below), if the voltage level in the main battery is at 11.6 volts or lower for more than 10 continuous minutes.

Make sure the ACTIVATE SENSOR is checked next to the Main Battery sensor box.

When completed click on the "Save Changes" button at the bottom of the page.

E-mail and Phone Lists

Click on the "Update Lists" button located in the menu bar of the web page.

In this section you can enter the e-mail addresses and phone numbers of the people you wish to be notified for a Daily Report, Low Battery Alert, or Assistance request.

Alert List

Enter the e-mail addresses and phone numbers that you would like to have your low battery alert sent to. (DO NOT ENTER DASHES BETWEEN NUMBERS i.e. 1234567890)

If the Activate Sensor has been checked on your FB ETERM-C™ Settings page, the FB ETERM-C™ system will send out an alert when the voltage is 11.6 volts or lower to each e-mail address and phone number in the "Alert" list.

When you have finished entering all of the contacts, click on the "Save Changes" button to save your information. Then click on the "OK" button to confirm that your changes have been saved.

You can make changes to any of the lists at any time. Remember to click on the "Save Changes" button each time you make a change in order to save the new information.



The Vessel Monitoring System (VMS) Reimbursement Program

The Pacific States Marine Fisheries Commission in collaboration with the NOAA's Office of Law Enforcement (OLE) distributes reimbursement funds to eligible, VMS equipped, confirmed vessel owners and operators.

For more information and to download a VMS Reimbursement Request Form, click or visit the link below:

<https://www.psmfc.org/program/vessel-monitoring-system-reimbursement-program-vms>

Safety Notice - The Faria Beede VMS system is only an aid to the operation of a boat. The performance of the system can be affected by many factors including but not limited to equipment failure, environmental conditions, improper installation, handling and/or use. This device should not be used for any navigational or safety purpose.

FCC Notice – This MTU system complies with Parts 15 and 80 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference. Changes or modifications to this equipment not expressly approved in writing by the Faria Beede Instruments, Inc. could violate compliance with FCC rules and void the operator's authority to operate this equipment. An FCC Ship's Radio License and Operator's License are not required for use of the VMS system.

FB ETERM-C™ is a trademark of Faria Beede Instruments, Inc.

All brand names and trademarks are the property of their respective owners.

If you have any questions or need technical support call 877.888.5569, 860.848.9271
or e-mail us at techsupport@fariabeede.com.

www.FariaBeede.com