



Access Controller FB-10 Quick Start Guide

(for mini-VSAT Broadbandsm & FleetBroadband or Fleet connections)

The following supplemental instructions explain how to connect Livewire Connections' Access Controller to both a mini-VSAT Broadband system (e.g., TracPhone[®] V7) and a FleetBroadband or Fleet system (e.g., TracPhone FB250, FB500, FB150, F33, F55, or F77).

For complete setup and operation information, including advanced configurations (e.g., firewall settings, port forwarding, remote access, and access control), refer to the Access Controller's user documentation.



***NOTE:** These instructions assume you have already installed both antenna systems.*

***NOTE:** Microsoft's .NET Framework is required to run the Access Controller software. The Access Controller software installer will prompt you to download .NET Framework from the Internet if it's not already installed on the PC. At press time, the file size of the .NET Framework download was approximately 870 KB. Please note that normal airtime charges will apply if you choose to download this file via a satellite connection.*

Step 1 - Wire the Access Controller

Follow the applicable steps below to wire the Access Controller to your antenna systems.

a. mini-VSAT Broadband:

Connect the mini-VSAT Broadband system (e.g., TracPhone V7) to the Access Controller according to any of the diagrams on the following pages. Use straight-through (not crossover) cables for all Ethernet connections.

b. FleetBroadband:

Connect the TracPhone FleetBroadband system to the Access Controller according to the diagram on page 3 (FB250 or FB500) or page 4 (FB150). The table below lists the available connections.

Connection	TracPhone System	Terminal Port
Standard IP	FB250, FB500, or FB150	Any LAN port
Streaming IP*	FB250 or FB500	Any LAN port configured for streaming access

* To activate streaming service, contact your Inmarsat airtime service provider.

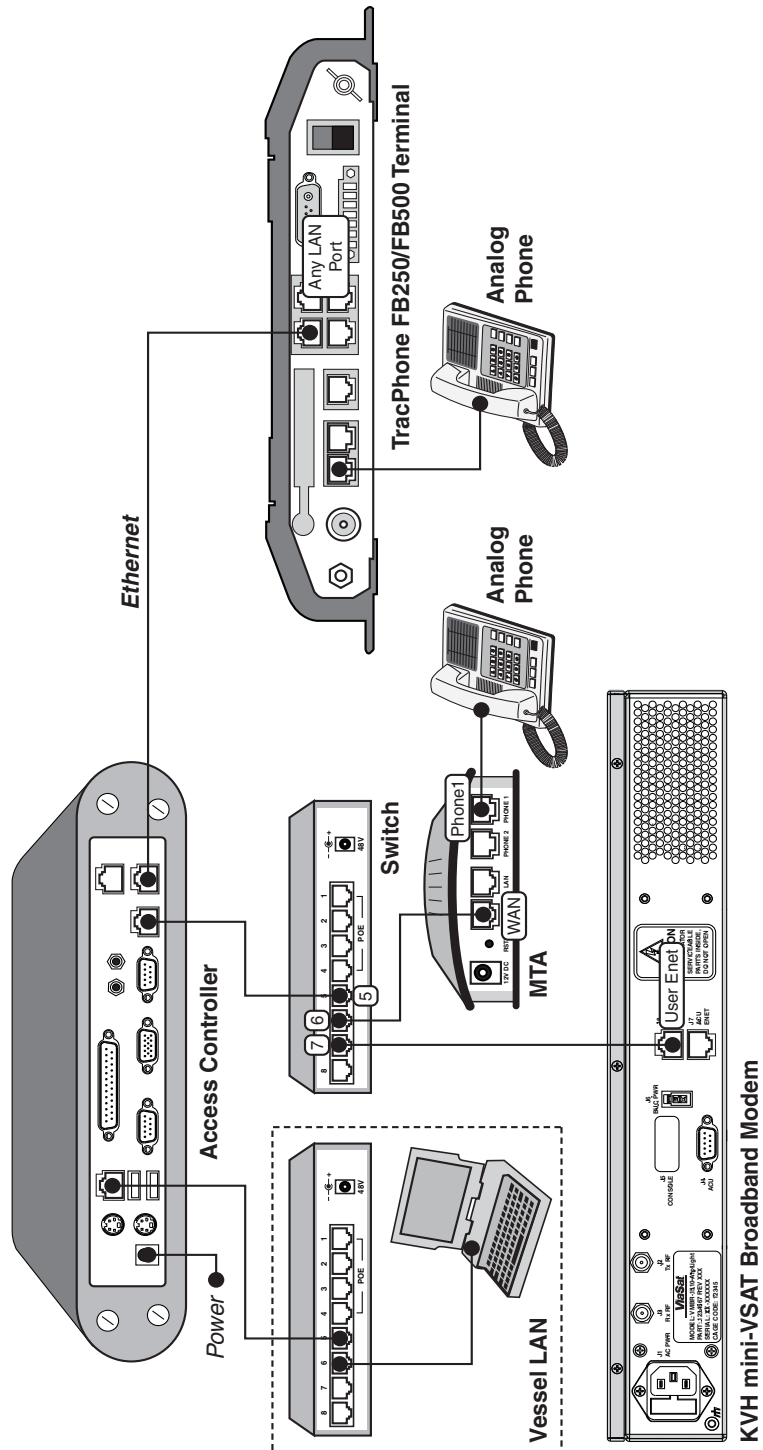
c. Fleet:

Connect the TracPhone Fleet system to the Access Controller according to the diagram on page 5. The table below lists the available connections.

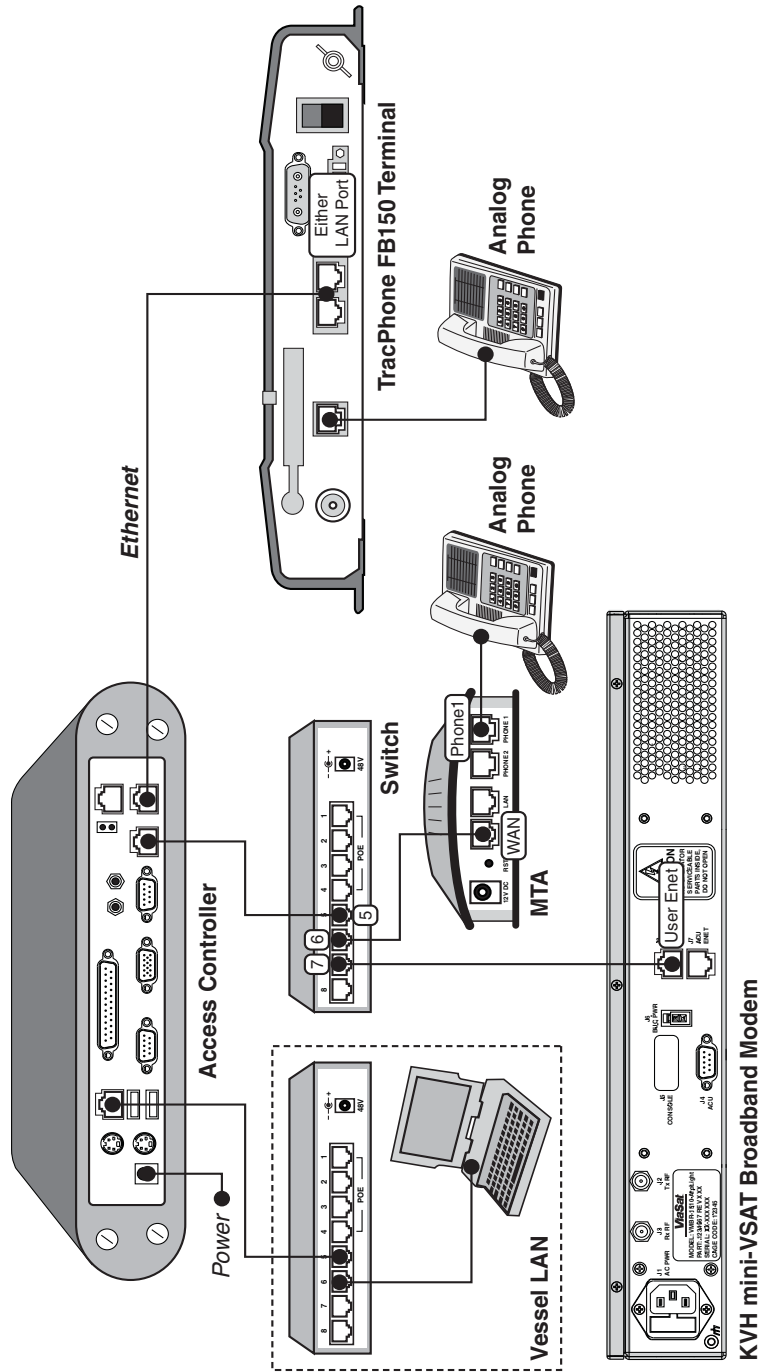
Connection	TracPhone System	BDU Port
ISDN	F55 or F77	X7 Ethernet
MPDS	F55, F77, or F33	X10 Serial <i>Older BDU versions: Use X9 port instead if it is a serial port</i>

d. Follow the instructions in the Access Controller documentation to connect the Access Controller to vessel power.

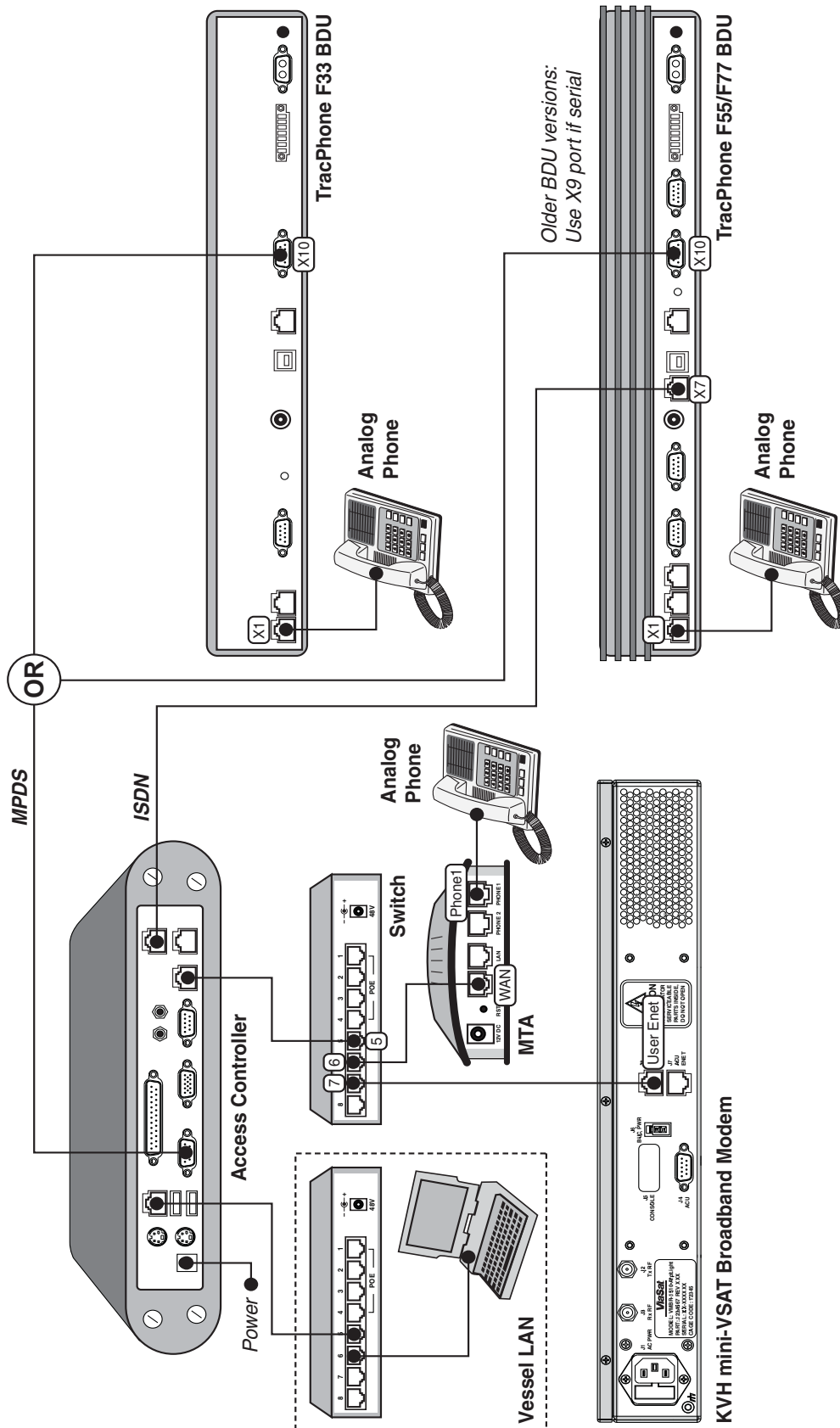
Access Controller Wiring: TracPhone V7 + TracPhone FB250 or FB500



Access Controller Wiring: TracPhone V7 + TracPhone FB150



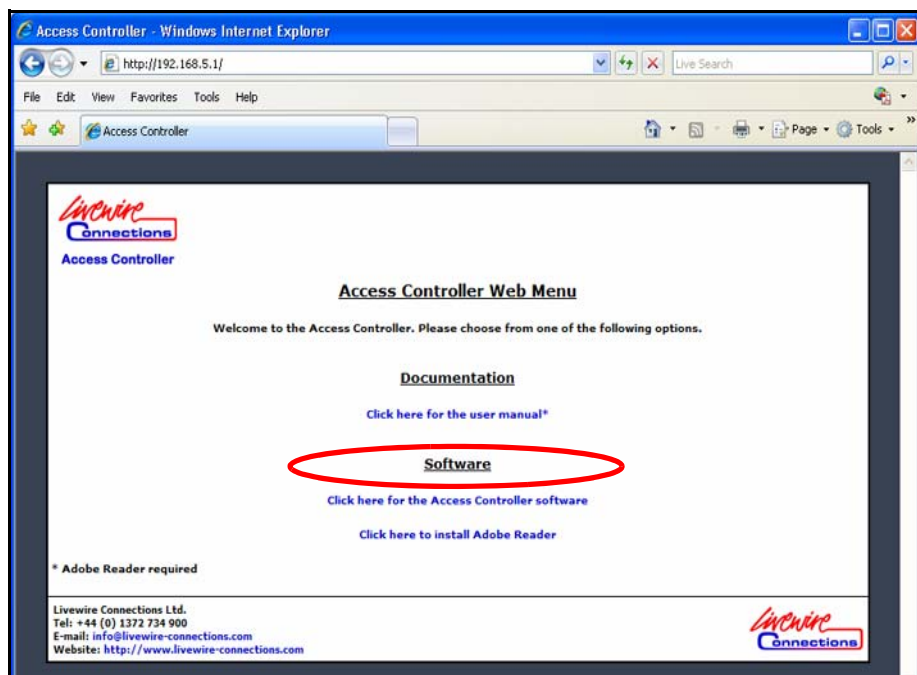
Access Controller Wiring: TracPhone V7 + TracPhone F33, F55, or F77



Step 2 - Run the Access Controller Software

Follow these steps to install and run the Access Controller software on the customer's primary onboard computer, which will control all Access Controller operations and setup. If desired, install the software on multiple computers to give them control as well. *Internet access is not required for this step; the software resides in the Access Controller.*

- a. Press the Power button on the front panel of the Access Controller to apply power. The button illuminates blue.
- b. Follow the instructions in the Access Controller documentation to download and install the Access Controller software (*default IP address: http://192.168.5.1*).



- c. Launch the Access Controller software (double-click the shortcut or select it from the Start menu). At the Login screen, select **Admin GUI**.

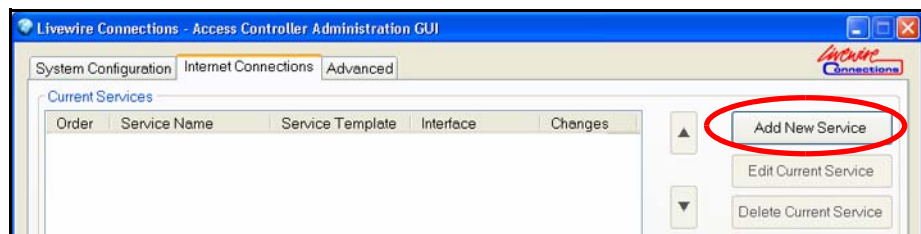


- d. Enter **admin** for the user name and **password** for the password. *Later, the customer should change this password to something unique.* Then select **Login**.

Step 3 - Configure a mini-VSAT Broadband Connection

Follow the steps below to add a mini-VSAT Broadband connection (e.g., TracPhone V7) to the Access Controller's interface.

- a. At the Internet Connections tab, select **Add New Service**.

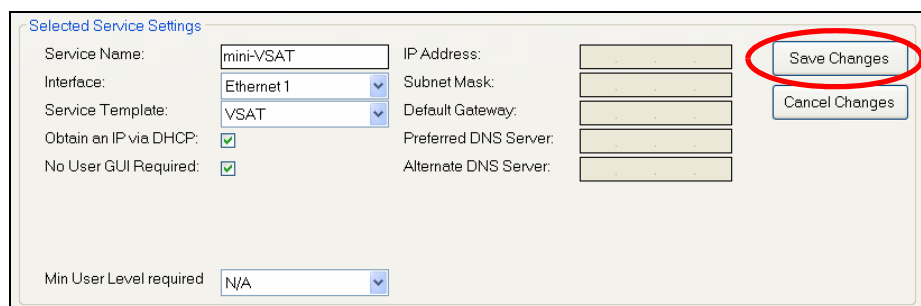


- b. Under Selected Service Settings, set the following parameters (leave all networking fields blank):

Field	Setting
Service Name	mini-VSAT (<i>suggested</i>)
Interface	Ethernet 1
Service Template	VSAT
Obtain an IP via DHCP	Checked
No User GUI Required*	Checked or unchecked - <i>see below</i>
Min User Level Required (<i>Min = minimum</i>)	N/A, or select a user level (<i>refer to the Access Controller's user documentation for details</i>)

* **No User GUI Required:** If this box is checked, the service will remain connected even if all user GUIs (*user interface windows*) are closed. This box must remain unchecked for FleetBroadband Streaming and Fleet ISDN connections to avoid inadvertent airtime charges. For other connections, check or uncheck it as you prefer.

- c. Select **Save Changes**.

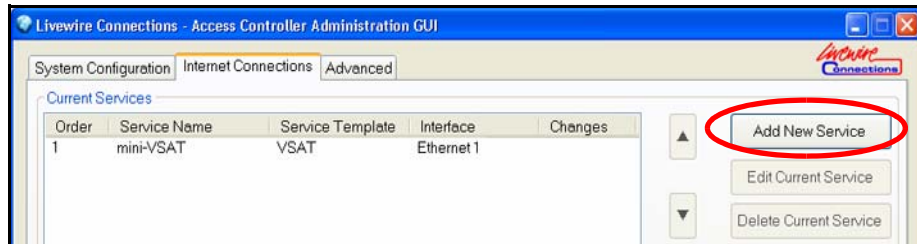


For Step 4, follow the instructions on the following pages that apply to you.

Step 4a - Configure a FleetBroadband Standard Connection

Follow the steps below to add a standard FleetBroadband connection (via TracPhone FB500, FB250, or FB150) to the Access Controller's interface.

- a. At the Internet Connections tab, select **Add New Service**.



- b. Under Selected Service Settings, set the following parameters (leave all networking fields blank):

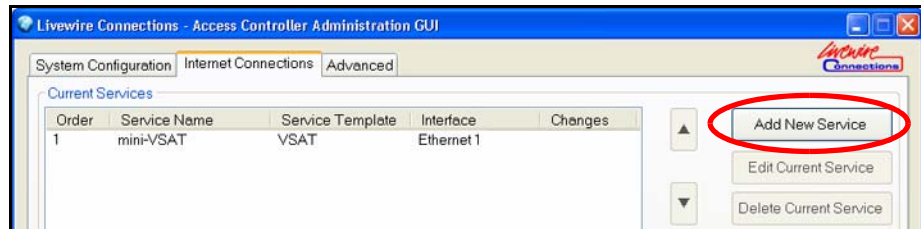
Field	Setting
Service Name	FBB (<i>suggested</i>)
Interface	Ethernet 2
Service Template	FleetBroadband
Obtain an IP via DHCP	Checked
No User GUI Required	Checked or unchecked <i>See page 7 for details</i>
Manufacturer	Thrane & Thrane
Service Class	TT - Standard IP
Min User Level Required (<i>Min = minimum</i>)	N/A, or select a user level (<i>refer to the Access Controller's user documentation for details</i>)
Service APN	xantic.bgan.inmarsat.com
Username and Password	Leave blank

- c. Select **Save Changes**.

Step 4b - Configure a FleetBroadband Streaming Connection (Not Common)

Follow the steps below to add a streaming FleetBroadband connection (via TracPhone FB500 or FB250) to the Access Controller's interface.

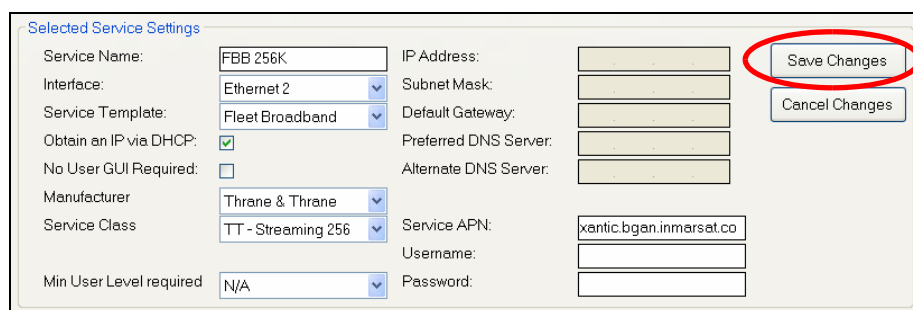
- a. At the Internet Connections tab, select **Add New Service**.



- b. Under Selected Service Settings, set the following parameters (leave all networking fields blank):

Field	Setting
Service Name	FBB ###K (<i>suggested</i>)
Interface	Ethernet 2
Service Template	FleetBroadband
Obtain an IP via DHCP	Checked
No User GUI Required	Unchecked <i>See page 7 for details</i>
Manufacturer	Thrane & Thrane
Service Class	TT - Streaming ### <i>(### = Connection speed, kbps)</i>
Min User Level Required <i>(Min = minimum)</i>	N/A, or select a user level <i>(refer to the Access Controller's user documentation for details)</i>
Service APN	xantic.bgan.inmarsat.com
Username and Password	Leave blank

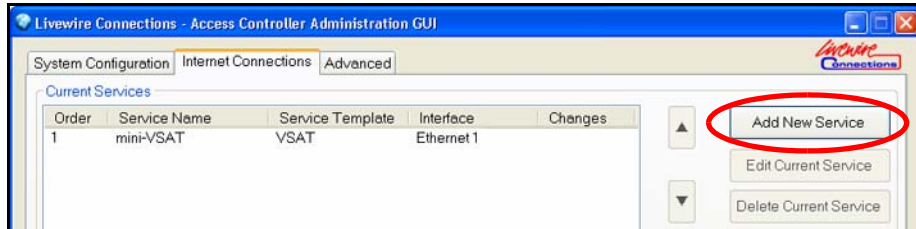
- c. Select **Save Changes**.



Step 4c - Configure a Fleet MPDS Connection

Follow the steps below to add a Fleet MPDS connection (via TracPhone F77, F55, or F33) to the Access Controller's interface.

- a. At the Internet Connections tab, select **Add New Service**.



- b. Under Selected Service Settings, set the following parameters:

Field	Setting
Service Name	Fleet MPDS (<i>suggested</i>)
Interface	Serial 1
Service Template	Fleet MPDS
No Traffic Timeout	120
No User GUI Required	Checked or unchecked <i>See page 7 for details</i>
Min User Level Required (<i>Min = minimum</i>)	N/A, or select a user level (<i>refer to the Access Controller's user documentation for details</i>)
Username	<username>*
Password	<password>*
Number Dialed	1234#

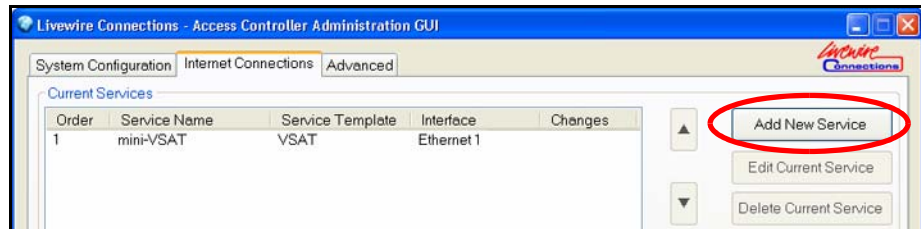
* Enter the user's username and password for Fleet service.

- c. Select **Save Changes**.

Step 4d - Configure a Fleet ISDN Connection

Follow the steps below to add a Fleet ISDN connection (via TracPhone F77 or F55) to the Access Controller's interface.

- a. At the Internet Connections tab, select **Add New Service**.

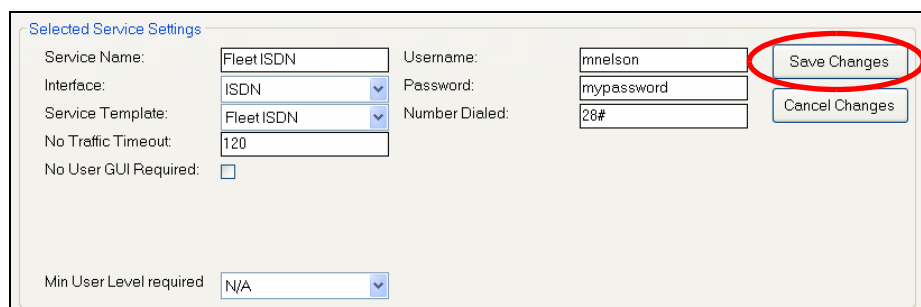


- b. Under Selected Service Settings, set the following parameters:

Field	Setting
Service Name	Fleet ISDN (<i>suggested</i>)
Interface	ISDN
Service Template	Fleet ISDN
No Traffic Timeout	120
No User GUI Required	Unchecked <i>See page 7 for details</i>
Min User Level Required (<i>Min = minimum</i>)	N/A, or select a user level (<i>refer to the Access Controller's user documentation for details</i>)
Username	<username>*
Password	<password>*
Number Dialed	28# (<i>or other LES short code</i>)

* Enter the user's username and password for Fleet service.

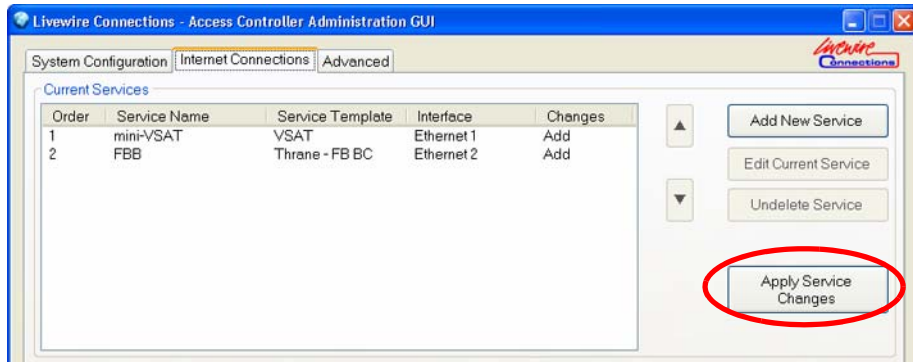
- c. Select **Save Changes**.



Step 5 - Apply Changes

When you are done setting up all of the desired connections, follow the steps below to save all of your changes.

- a. At the Internet Connections tab, select **Apply Service Changes**.



- b. Close the Access Controller's Administration GUI window.

Step 6 - Start Using the Access Controller

To start using the Access Controller, launch the User GUI.



The User GUI will show the connections you configured, such as those shown below. For complete details on operating the Access Controller, refer to the Access Controller's user documentation.

