



EMS FIELD BRIDGE

VERSION 5.4

PHYSIO-CONTROL INTEGRATION SETUP GUIDE

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EMS Field Bridge Version 5.4

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Table of Contents

COPYRIGHT	2
TABLE OF CONTENTS	3
1.1 INTRODUCTION.....	4
1.2 SETTING UP THE COMMUNICATION PORTS.....	4
1.3 SETTING UP OPTIONS FOR ALL FIELD BRIDGE SYSTEMS.....	5
1.4 SETTING UP PHYSIO-CONTROL OPTIONS ON THE FIELD BRIDGE	8
1.5 TRANSFERRING DATA FROM THE LIFEPAK TO FIELD BRIDGE	11
1.6 VIEWING WAVE STRIP	14
Help and Support	15
HELP AND SUPPORT.....	16
<i>Before Contacting ImageTrend</i>	16
<i>Contacting ImageTrend</i>	16
<i>Technical Support</i>	16

1.1 Introduction

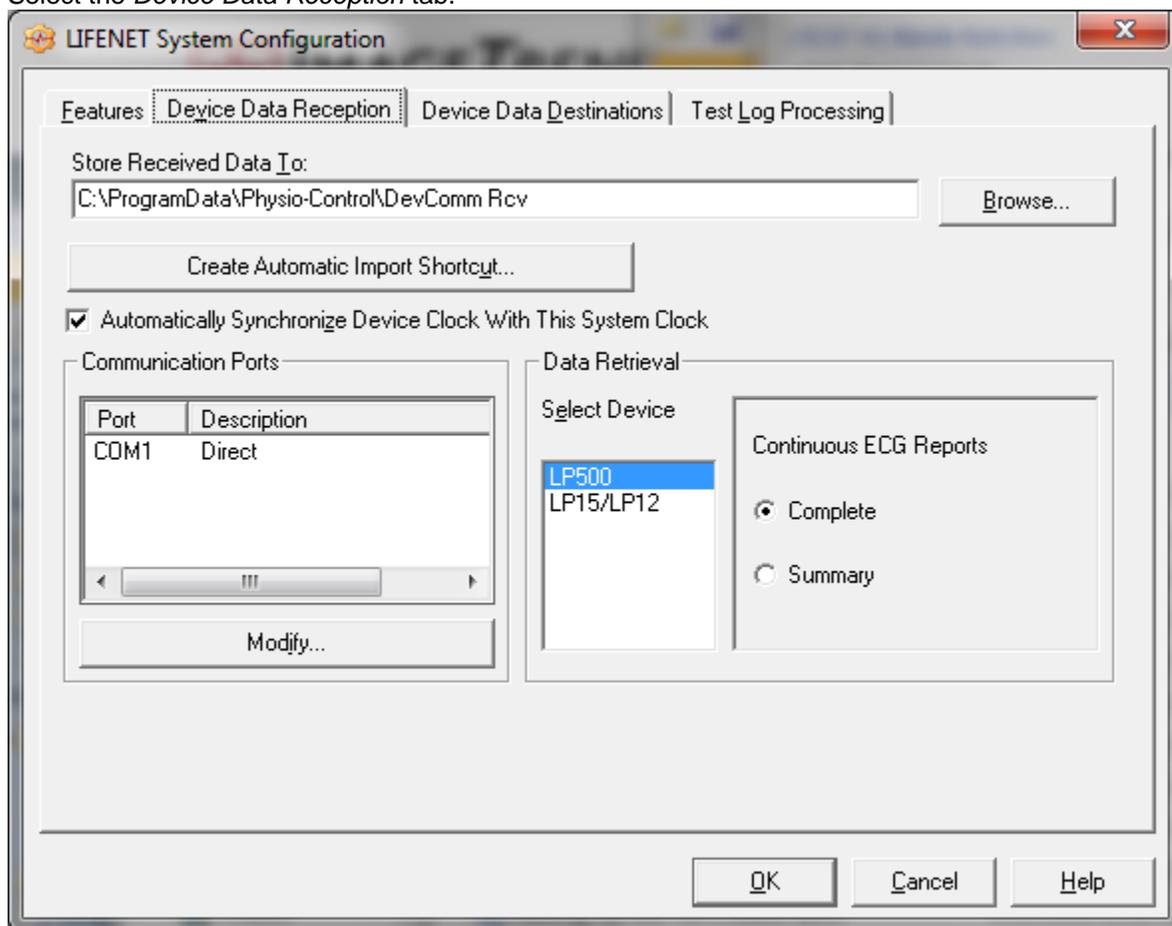
Setting up a Physio-Control monitor to interface with the Field Bridge includes setup on both the Field Bridge system and the EKG monitor itself.

In addition, in order to begin setup, LIFEPAK SDK software must be installed on the computer that will be using the Field Bridge and EKG monitor.

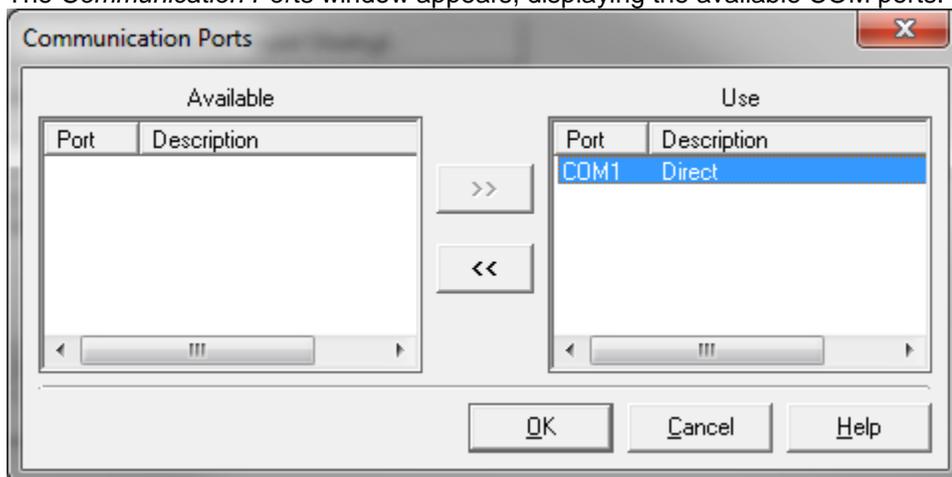
1.2 Setting up the Communication Ports

Before setting up communication ports, you must be sure that the LIFEPAK SDK Software is installed.

1. Open the LIFENET System Configuration file.
 -  **NOTE:** You will need Windows administrative privileges to change the System Configuration settings.
 -  **HINT:** This can usually be found from the *Start* menu of your computer by clicking *Programs > Physio-Control > Administrative Tools > System Configuration*.
2. Select the *Device Data Reception* tab.



3. In the *Communication Ports* section, click *Modify...*
The *Communication Ports* window appears, displaying the available COM ports.



4. To add a communication port,
 - a. From the *Available* list, select the desired communication port.

HINTS:
Ensure that only one option is displayed in the *Use* section.
If you are using a serial cable to connect, you will most likely need to select COM1 or COM2.
If you are using Bluetooth to connect, you will want to look at the Bluetooth settings after pairing with the monitor to determine which COM port was selected. Bluetooth connections work only with Bluetooth-enabled computers that have the Windows Bluetooth Stack installed.
If you are using an Ositech USB cable to connect, you will mostly likely need to select COM50. (If this port does not show up, ensure that the Ositech drivers are installed on that computer and that the cable is plugged in.)
 - b. Click the *Add* icon
5. To remove a communication port,
 - a. From the *Use* list, select the desired item.
 - b. Click the *Remove* icon

HINT: Remove items from the communication port if you no longer use the COM port for downloading reports. This will eliminate conflicts with remaining COM or IrDA ports that you are using.
6. Click *OK*.

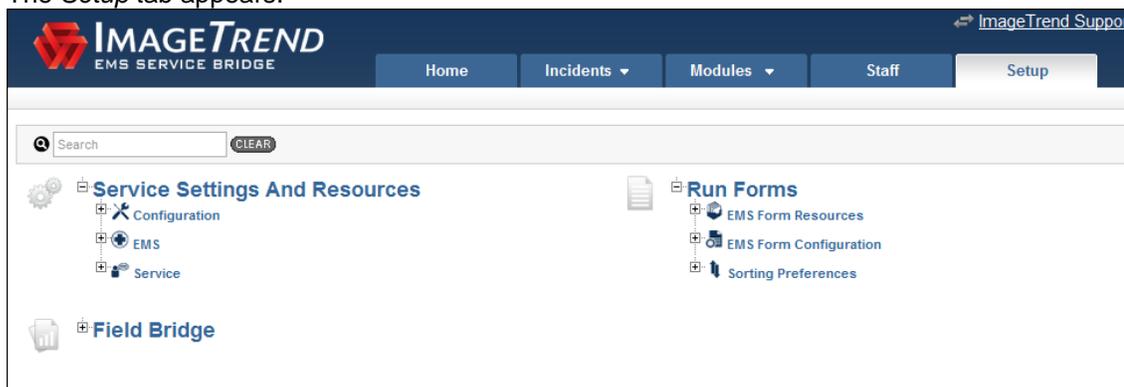
1.3 Setting Up Options for All Field Bridge Systems

If you want to configure certain settings for your agency's EKG monitors in the same way on every Field Bridge system, you can set those options up on the Web-based system. These settings will then sync to each Field Bridge system. When monitor information has been set up on the Web-based system, those settings will not be editable on the individual Field Bridge systems.

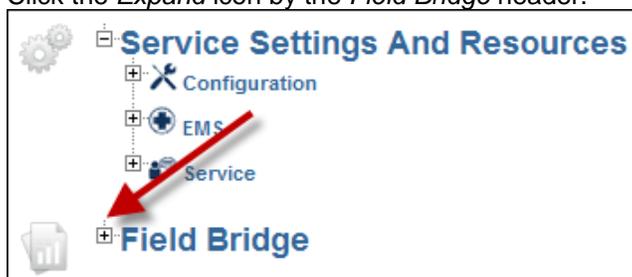
All settings specific to connecting to the monitor will still need to be set up per computer on the Field Bridge.

1. Open the Web-based system (e.g., Service Bridge, State Bridge, Rescue Bridge).
2. Log in with a profile that has administrative privileges for your service.

3. Select the *Setup* tab.
The *Setup* tab appears.



4. Click the *Expand* icon by the *Field Bridge* header.



Additional options appear.

5. Click the *Expand* icon for the *Preferences* option.
A sub-menu appears.
6. Click *EKG Monitor*.

The *EKG Settings* page appears.

Please select if you would like to use the EKG settings configured in Service Bridge

Sync Service Bridge EKG settings to the EMS Field Bridge: Yes No

EKG Monitors

Please select the EKG monitor that you are working with to configure the various underlying options. All configuration will sync down to the EMS Field Bridge upon the next successful post.

Use	Name
<input type="checkbox"/>	Philips
<input type="checkbox"/>	ZOLL
<input type="checkbox"/>	Physio-Control

7. Click *Physio-Control*.
The *Philips Monitors* page appears.

Physio-Control Monitors

Please define the options for the Physio-Control monitors. All information will sync down to the EMS Field Bridge upon the next successful post.

Days of history to show:

EKGs

Available		Selected
12-Lead Analysis	>>	
Defibrillation	>	
Initial Rhythm	<	
Pacing Set	<<	
Pacing Started		
Pacing Stopped		
Print		

Vitals

Available		Selected
ETCO2	>>	
Heartrate	>	
IBP	<	
NIBP	<<	
Respiratory Rate		
SPO2		

Group Vitals Timeframe:
(In Minutes)

Import marker events

Attach File Only - Do not import data (No Activity data will be imported directly into the call)

8. To set the number of days of case history that will be shown by default in the EKG Import Wizard, from the *Days of History to Show* drop down menu, select the desired number of days.
9. In the *EKGs* section, in the *Available* scroll list, select the type(s) of EKGs that will be imported.

 **HINT:** To select multiple types, press and hold *Ctrl* while clicking each desired option.

10. Click the *Add* icon .
The EKGs are moved to the *Selected* scroll list.

11. To remove any EKG type from the list,
- In the *Selected* scroll list, select the type(s) of EKGs that should not be imported.

 **HINT:** To select multiple types, press and hold *Ctrl* while clicking each desired option.

- Click the *Remove* icon .
The EKGs are moved to the *Available* list and will no longer be imported.

12. In the *Vitals* section in the *Available* scroll list, select the type(s) of vitals that will be imported.

 **HINT:** To select multiple types, press and hold *Ctrl* while clicking each desired option.

13. Click the *Add* icon .
The vitals are moved to the *Selected* scroll list.

14. To remove any vital type from the list,
- In the *Selected* scroll list, select the type(s) of vitals that should not be imported.

 **HINT:** To select multiple types, press and hold *Ctrl* while clicking each desired option.

- b. Click the *Remove* icon .
- The vitals are moved to the *Available* list and will no longer be imported.
15. To combine all vital records that have been imported from the monitor within a specific timeframe, from the *Set Group Vitals Timeframe* drop down menu, select the number of minutes within which vital records should be combined.
EXAMPLE: If you select 2, all vitals that were imported within 2 minutes of each other will be combined.
16. **OPTIONAL:** If desired, to import medications and procedures, select the *Import marker events* checkbox.
17. **OPTIONAL:** If you would like to only attach the file to the incident and not import the data into the patient care report, select the *Attach File Only* checkbox.
18. When finished, click *Submit*.
To return to the list of EKG monitors, click *Cancel*.
The *EKG Monitor Setup* page appears.
19. Select the *Physio-Control* checkbox.
20. In the *Sync Service Bridge EKG settings to the EMS Field Bridge* section, select *Yes*.
 **NOTE:** If you are using the Rescue Bridge or the State Bridge, this question will refer to your own Web-based product rather than the Service Bridge.

Please select if you would like to use the EKG settings configured in Service Bridge

Sync Service Bridge EKG settings to the EMS Field Bridge: Yes No

EKG Monitors

Please select the EKG monitor that you are working with to configure the various underlying options. All configuration will sync down to the EMS Field Bridge upon the next successful post.

Use	Name
<input type="checkbox"/>	 Philips
<input type="checkbox"/>	 ZOLL
<input checked="" type="checkbox"/>	 Physio-Control

21. Click *Submit*.
The EKG monitor settings are applied and will be transferred to each Field Bridge as it syncs.

1.4 Setting Up Physio-Control Options on the Field Bridge

If your agency has configured some of the EKG settings on the Web-based system (see section 1.3), some of these options may not be available to you. However, all settings specific to connecting to the monitor will still need to be set up per computer on the Field Bridge.

1. Ensure that Windows Bluetooth stack is installed on the computer.
2. Open ImageTrend Field Bridge.
3. Log in with a user profile that has administrative permissions.
4. From the left menu, click *Administrative Options*.
The *Options* dialog box appears.
5. Select the *EKG* tab.

- In the *Physio-Control* section, click *Setup*.
The *Physio-Control Setup* dialog box appears.

Physio-Control EKG Setup

Data Vitals Filter

Open Physio-Control Folder

Group Vitals Timeframe (In Minutes): 1

Days of History To Show: 7

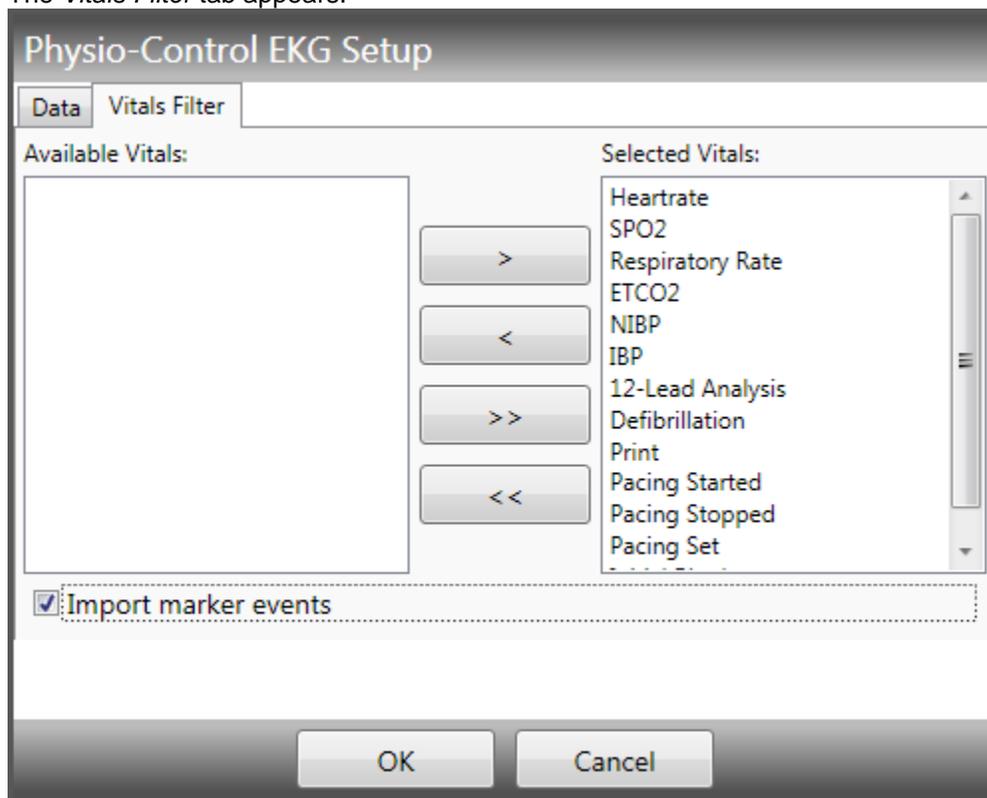
Attach File Only - Do not import data (No Activity data will be imported directly into the call)

*You will need to set up 'System Configuration' for Physio-Control in order import data from LIFEPAK

OK Cancel

- To combine all vital records that have been imported from the monitor within a specific timeframe, from the *Set Group Vitals Timeframe* drop down menu, select the number of minutes within which vital records should be combined.
EXAMPLE: If you select 2, all vitals that were imported within 2 minutes of each other will be combined.
- To set the number of days of case history that will be shown by default in the EKG Import Wizard, from the *Days of History to Show* drop down menu, select the desired number of days.
- OPTIONAL:** If you would like to only attach the file to the incident and not import the data into the patient care report, select the *Attach File Only* checkbox.

10. Select to the *Vitals Filter* tab.
The *Vitals Filter* tab appears.



11. From the *Available Vitals* section, select which information the Field Bridge should import.



12. Click *Add*.
13. Repeat steps 11–12 until all desired information is added.

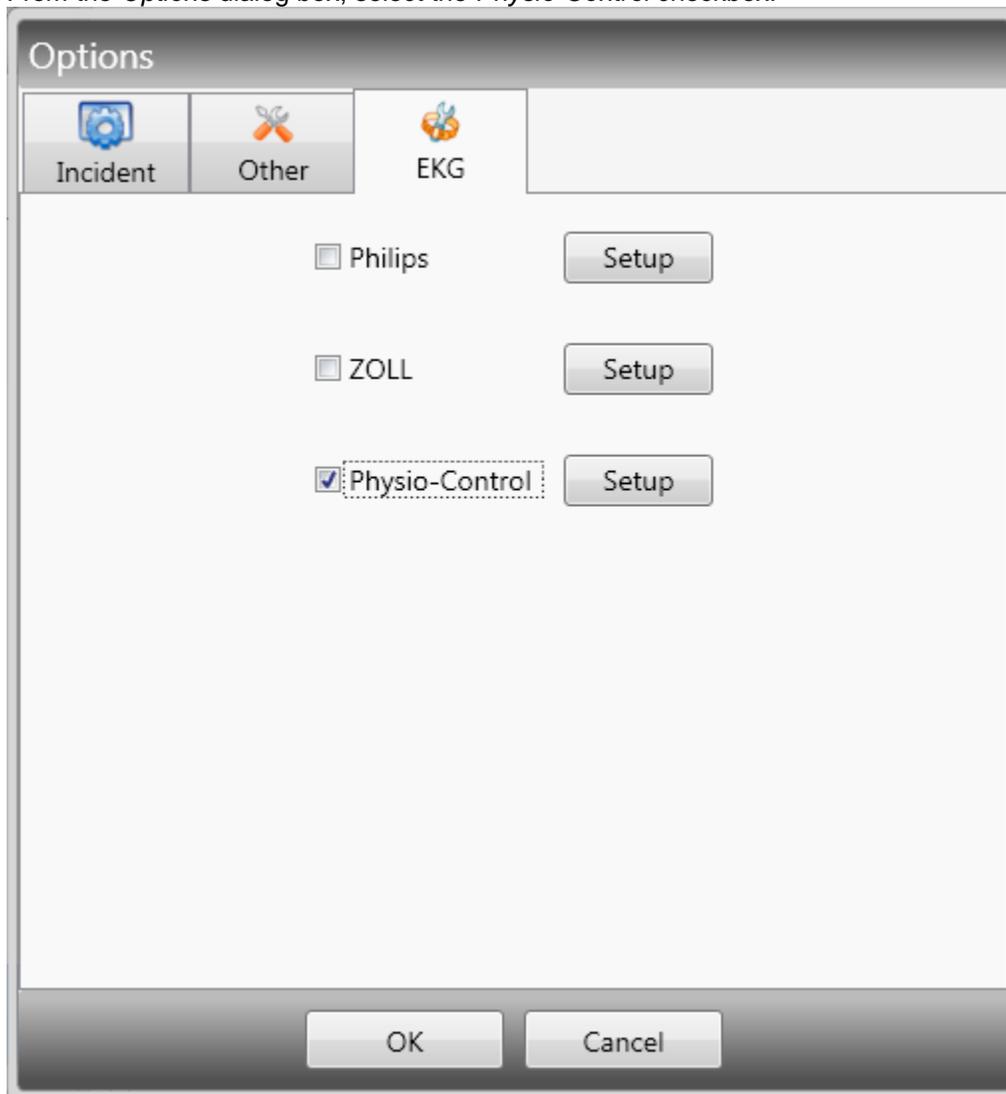
OR



To add all information, click *Add All*.

14. **OPTIONAL:** To import medications and procedures, select the *Import marker events* checkbox.
15. Click *OK*.
The *Physio-Control Setup* dialog box is closed.

16. From the *Options* dialog box, select the *Physio-Control* checkbox.



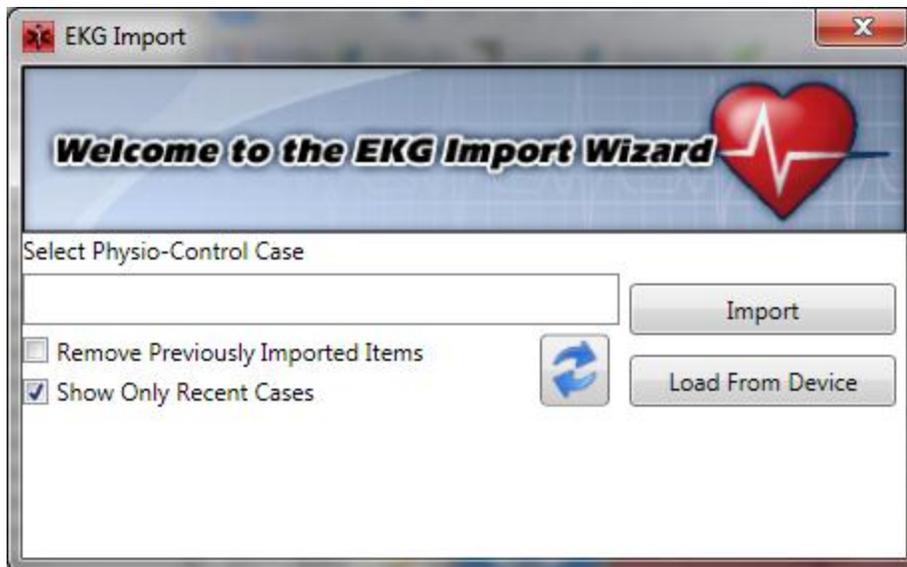
17. In the *Options* dialog box, click *OK*.

1.5 Transferring Data from the LIFEPAK to Field Bridge

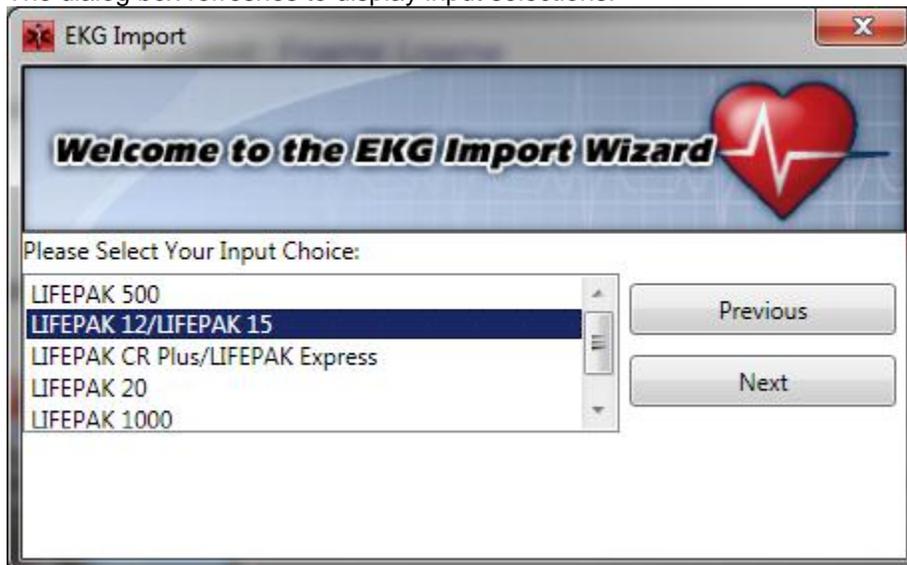
1. On the Field Bridge, create a new incident.



2. From the *Power Tool* toolbar, click the *EKG Import* button.
The *EKG Import* dialog box appears

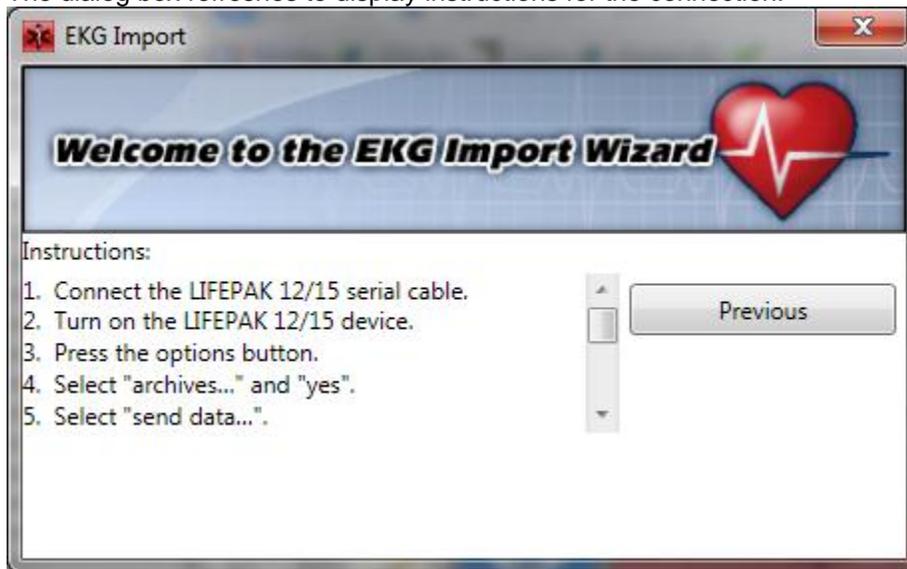


3. From the right side, click *Load From Device*. The dialog box refreshes to display input selections.

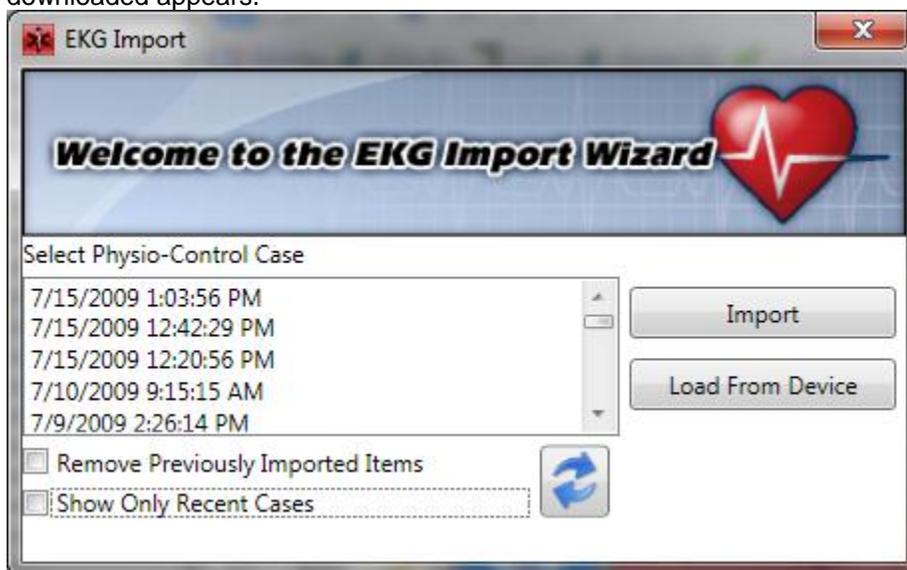


4. Ensure that the correct monitor type is selected.

- Click *Next*.
The dialog box refreshes to display instructions for the connection.



- Follow the instructions that appear.
After you click *Send* on the monitor, transfer is completed and a list of cases that can be downloaded appears.



- In the Field Bridge, select a case from the list.
💡 **HINT:** If you do not see the case you are looking for, deselect the *Show Only This Weeks Cases* checkbox.
- OPTIONAL:** If a previous import for this case has been done and you do not want to keep the EKG data from that import in the current patient care report, select the *Remove Previously Imported Items* checkbox.
This will remove all EKG, Vitals, Procedures, Medications, and Attachments that were created from a previous EKG import.

9. Click *Import*.

The *EKG Import* dialog box closes and the *Activities* pane displays the selected case's data.

Activities					
	Date/Time	Crew	Type	Description	
-	11:41:21 03/11/200		Vitals	Pulse: 30 Respiratory: 0	Open
+	11:41:21 03/11/200		EKG	Defibrillation	Open
	11:42:00 03/11/200		Vitals	Pulse: 72	Open

10. At the bottom of the *Activities* panel, click *Save*.

The record is saved in the run form.

11. **OPTIONAL:** To skip the device selection screen of the import wizard,
- From the *Start* menu, select *Programs > Physio Control > LIFENET Device Communications*.
 - From the *File* menu, select *Download > Configure Download Wizard*.
The *Download Wizard Configuration Properties* dialog box appears.

- In the *Device Type Selection* section, select *Skip Device selection*.
- Select the appropriate monitor type.
- Click *OK* to save.
- Click *Control > LIFENET Communications > Disable*.
- From the *File* menu, click *Exit*.
The window closes.

1.6 Viewing Wave Strip

- Import the Vitals and EKG data from your Physio-Control monitor.
- For the desired imported vitals/EKG record, click *Open*.

- Click the *View EKG Wave Strip* button .
After a few moments the wave strip opens.

CHAPTER 2

HELP AND SUPPORT

Help and Support

Before Contacting ImageTrend

Please have the following information accessible when calling ImageTrend:

- A description of your computer system.
- The name of your operating system and service pack version (if applicable).
- A description of what happened and what you were doing when the problem occurred.
- The exact wording of any error messages you see.
- Your company name and contact information.

Contacting ImageTrend

If you are unable to find the information needed to use the Field Bridge effectively, please consult ImageTrend in any of the following ways:

- Phone (952) 469.1589
- Toll-Free (888) 469.7789
- Fax (952) 985.5671
- Web <http://support.imagetrend.com>
- Email support@imagetrend.com

ImageTrend support services are available:

Monday – Friday
8:30 a.m. to 5:00 p.m. central time

Technical Support

For 24-hour technical support, ImageTrend provides online assistance through their website and email services:

- Web <http://support.imagetrend.com>
- Email support@imagetrend.com