

EMS FIELD BRIDGE

VERSION 6.6

PHYSIO-CONTROL INTEGRATION SETUP GUIDE

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EMS Field Bridge Version 6.6

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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 Configuring Field Bridge Settings

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 then sync to each Field Bridge system. Keep in mind that after monitor information is set up on the Web-based system, those settings are not editable on the individual Field Bridge systems.

All settings specific to connecting to the monitor still require set up per Field Bridge system.

- 1. Open your Service Bridge, State Bridge or Rescue Bridge.
- 2. Log in with a profile that has administrative privileges for your service.
- 3. Select the Setup tab.

				,⇔ <u>*Imag</u>	eTrend Testing Service
EMS SERVICE BRIDGE	Dashboard	Incidents 👻	Modules 👻	Staff	Setup
Q					
	urces	₽ ₽	Cun Forms © EMS Form Resources © EMS Form Configurat	3 tion	

4. Click the Expand icons to expand Field Bridge and EKG.



- 5. Click Setup.
- 6. For *Sync Service Bridge EKG settings to the EMS Field Bridge* select Yes to sync the EKG settings configured in the following steps to all Field Bridge systems.

NOTE: If you are using the Rescue Bridge or the State Bridge, this question refers to your

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: \odot Yes \bigcirc 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
edit Philips
edit ZOLL
edit Physio-Control
Save

- 7. Select the Physio-Control checkbox.
- 8. Click Save.

() **IMPORTANT!** You must click *Save* to save the changes. If you do not save now, then after configuring the EKG settings you will have to reselect the fields on this screen and click *Save*.

9. Click Edit next to Physio-Control.

10. Complete the following fields as necessary:

Physio-Control Monitors		
Please define the options for th successful post.	ne Physio-Control monitors. All i	information will sync down to the EMS Field Bridge upon the next
Days of history to show	1 🗸	
EKGs	Available	Selected
		12-Lead Analysis
		Print
		Pacing Started
		Pacing Set
		Initial Rhythm
Use Conditional Import Filters	🔾 Yes 💿 No	
Vitals	Available	Selected
		» SPO2
		Respiratory Rate
		NIBP
		IBP CathonMonoxide
Group Vitals Timeframe	1 🗸	
	(In Minutes)	
	Import marker events	
	Create Procedure (6390) f	for EKG Import
	Create Procedure (6390) f	for Leads On
	Create Procedure (6390) f	for 12-Lead
	Add Device ID to Case Na	ame
	Attach File Only - Do not in	mport data (No Activity data will be imported directly into the call)
	Submit	Cancel

- **Days of history to show:** Select the desired number of days of case history that will display by default in the EKG Import Wizard.
- **EKGs:** Select the type(s) of EKGs from the *Available* scroll box that will import and move them to the *Selected* scroll box.
 - W HINT: To select multiple types, press and hold *Ctrl* while clicking each desired option.
- Use Conditional Import Filters:
 - **No =** Select *No* to import based on the specific timeframe. Choose the timeframe in the *Group Vitals Timeframe*.
 - Yes = Select Yes to import vitals based on a specific rule. and click Add Vital.

NOTE: These rules allow you to define specific vitals that must have a value in order for other vitals to be imported.

EXAMPLE: If you want to import vitals every time the monitor takes systolic blood pressure, set up a rule to import all vitals when systolic blood pressure has a value.

1. Click Save.

2. **Parent Vital:** Select the vital requires a value for the information to import.



3. **Child Vital:** Select the vital that does import if the parent vital does not have a value.

EXAMPLE: In the rule displayed below, any time a SBP is captured the system will also capture DBP, CO2, etc.

- 4. Click Close.
- Vitals: Select the type(s) of vitals from the *Available* scroll box that will import and move them to the *Selected* scroll box.

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

 Group Vitals Timeframe: Select the timeframe in minutes within which to combine all imported vital records from the monitor.
 EXAMPLE: If you select 2, all vitals imported within 2 minutes of each other combine into

EXAMPLE: If you select 2, all vitals imported within 2 minutes of each other combine into one record.

- **OPTIONAL:** To import medications and procedures, select the *Import marker events* checkbox.
- **OPTIONAL:** To attach the file to the incident and not import the data into the patient care report, select the *Attach File Only* checkbox.
- 11. When finished, click Submit.
- 12. Ensure that the Sync Service Bridge EKG settings to the EMS Field Bridge and the Physio-Control are checked. If not, check those boxes now and click Save.

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:				
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				
edit Philips				
edit ZOLL				
edit Physio-Control				
Save				

1.3 Checking the Software Version

In order to set up your preferred method for uploading data from the Physio-Control monitors, you must have the LIFEPAK SDK installed on the devices that use Field Bridge and the EKG monitor.

- 1. Open and log in to Field Bridge.
- 2. From the left menu of the dashboard, click Administrative Options.
- 3. Select the *EKG* tab.

- Options -0 × Incident Other EKG Philips Setup ZOLL Setup ZOLL RescueNet SDK 6.2.0 must be installed to use this feature Physio-Control Setup You can also edit your EKG settings from Service Bridge. OK Cancel
- 4. Hover over the blue question mark next to the *ZOLL* section. The required version displays in a popup message

Install the SDK

If you do not have the correct Physio-Control LIFEPAK SDK version installed, use the following instructions to install it on your Field Bridge device.

- 1. Go to <u>www.imagetrend.com/support/</u>
- 2. Click Application Downloads.
- 3. Find your monitor and download the SDK.

1.4 Setting Up the Bluetooth Transfer Method

If you are using Bluetooth to transfer cases from the Physio monitor, use the following instructions to complete Bluetooth set up.

Check for Bluetooth

Prior to setting up the Bluetooth transfer method, it is important to ensure your Field Bridge device has Bluetooth capabilities.

1. Press the Windows icon key on your keyboard to open the Device Manager.

2. If you see Bluetooth in the list you have Bluetooth. If you do not see Bluetooth, you need to select a new method for transferring data.



Check for Microsoft Stack

1. In Device Manager, expand the *Bluetooth* section. If there are multiple Bluetooth sections, expand them all.



- 2. Look Microsoft Bluetooth Enumerator.
- 3. Remember which stack is installed.
- 4. Close Device Manager.

Pair Microsoft Device

Use either the step-by-step directions or the flowchart to pair your Microsoft device.





2. Click *Add a Bluetooth Device*. Your computer automatically begins looks for Bluetooth devices.

Add a Bluetooth Device
Allow a Device to Connect
Show Bluetooth Devices
Send a File
Receive a File
Join a Personal Area Network
Open Settings
Remove Icon

3. Select your monitor from the list of devices and click Pair.

PC settings	I.	Communications Headphones (IDT High Definition Audio CODEC)
r e settings	-	Fax - HP Photosmart 7520 series (Network) Offline
Personalize	⑨	Greenhouse_Media Server Offline
Users	밎	Greenhouse_Media Server Offline
Notifications	⊂ a	HEARTSTART_MRx
Search		HP Color LaserJet 4700 PCL6 x64 on FS01.ImageTrend.com
Share	• <u>—</u> •	
General		HP Photosmart 7520 series (Network) Offline
Privacy	•	Line In (IDT High Definition Audio CODEC)
Devices		LP153660 Offline

NOTE: Your window may look different depending on the operating system on your Windows device.



4. Enter the PIN. If you do not know the PIN try 0 or 0000.

NOTE: If you do not see any Incoming ports, remove your device and begin the Pair Microsoft Device steps again.

5. Open your system tray and click the *Bluetooth* icon.



6. Click Open Settings.

	Add a Bluetooth Device	
	Allow a Device to Connect	L
	Show Bluetooth Devices	L
	Send a File	L
	Receive a File	L
	Join a Personal Area Network	L
	Open Settings	L
_	Remove Icon	

7. Click the COM Ports tab. Remember the number of the Incoming port.

8		Blu	etooth Settings		×
Options	COM Ports	Hardware	e		
This P wheth with y	C is using th er you need our Bluetoot	e COLL(s a COM p th device.	erial) ports listed below. To	o determine on that came	
Port	Dir	ection	Name		
CON	415 Inc	oming	ZOLL 00013756		
CON	15 Ou	itgoing	ZOLL 00013756 'SPP'		
				Demons	
			Add OK Cance	el Apply	
			Gund	- Abbit	

- 8. Click OK.
- 9. Continue with section 1.6 Setting Up the Communication Ports.



1.5 Setting Up the Serial Cable Transfer Method

If you are using Bluetooth to transfer cases from the Physio monitor, use the following instructions to complete Bluetooth set up.

Install the USB Ositech Cable Drivers

If you are using a USB Ositech cable, then complete the driver's installation prior to plugging in your cable.

WINDOWS XP USERS

1. Use the provided installation CD for your Ositech cable.

ALL OTHER USERS

1. Plug in your Ositech cable. The driver will begin installation automatically.

Plug in the Cable

- 1. Plug the cable into the monitor.
- 2. Continue with section 1.6 Setting Up the Communications Ports.

1.6 Setting Up the Communication Ports

1. On the Field Bridge device, open LIFENET Device Communications.

NOTE: Windows administrative privileges are required to change the System Configuration settings.

With HINT: Find this by opening the *Start* menu and searching for *LIFENET Device Communications.*

2. Click Control > System Configurations.

24		LIFENET Device	e Commun	nications	- 🗆	×
File View	Control	Help				
Ports Devi	LIFI Log Aut Ret	ENET Communications Iging Level to Import ry Import Failures tem Configuration	•	1	Auto Im	iport On
0 Waiting for i	mport		0 Import F	ailures		



3. Click the Device Data Reception tab.

9 ا	LIFENET System Configurat	tion	×
Eeatures Device Data Reception Serial Number: Feature Key: CODE-STAT™ Data Review Soft	Device Data <u>D</u> estinations Test <u>I</u> IMAGETREND_V9 6e75-fe87-f230-3ce3-ac86 ware	og Processing	
ECG Viewing ✓ Continuous ✓ 12-Lead ✓ Static ✓ TREND SUMMARY™ ECG Printing ✓ Continuous ✓ 12-Lead ✓ Static ✓ TREND SUMMARY™	Data Entry Patient Response Cardiac/Outcome Events Events Comments Attachments	Database Unlimited records Reports ✓ Summary ✓ Case □ CPR	
Communications 6 ports, LIFEPAK 11, LIFEPAK 1 1000	2, LIFEPAK 15, LIFEPAK 20, LIFEP	AK 500, LIFEPAK CR Plus, LIFEPAK	P

4. Click Modify.

LIFENET System Configuration	×
Features Device Data Reception Device Data Destinations Test Log Processing Store Received Data Io:	
Communication Ports Data Retrieval Port Description Select Device LP500 Continuous ECG Reports LP15/LP12 © Complete Modify Summary	
<u> </u>	эlp



Select the appropriate COM port and click the double right arrows to move it to the Use box.
 NOTE: If using Bluetooth, this is the COM port paired with the monitor.
 NOTE: If using the USB Ositech cable, it will always be the COM 50.

Communication Ports				×			
	Available				Use		
Port	Description			Port	Description		
COM1	Direct						
COM3	Direct						
			<<				
<		>		<			>
			4 <u>0</u>		Cancel	<u>H</u> elp	

- 6. Click OK.
- 7. Click OK.
- 8. The System Configuration Changed message appears, click OK.

System Configuration Changed	×
The system configuration has changed. You must disable and re-enable LIFENET Communications for the changes to take effect.	
ОК	

9. In the *LIFENET Device Communications* window, click *Control* > *LIFENET Communications* > *Enable*.

2	LIFENET Device	Communications	- 🗆 🗙
File View	Control Help		
	LIFENET Communications	Enable	Auto Import On
Darta Davi	Logging Level	 Disable 	
	Auto Import Retry Import Failures System Configuration	•	
0 Waiting for in	nport	0 Import Failures	



The LIFENET Device Communications window lists the port.

2	LIFENET Device Communications	- 🗆 ×
File View Control Hel	p	
		Auto Import On
Ports Device Type Mode	Status	
COM5 Unknown Direct	Ready	
0 Waiting for import	0 Import Failures	
o waking for import		

- 10. Once the *Status* says *Ready*, send a case from the monitor. The *Status* updates to indicate transfer progress.
- 11. Upon completion, close the *LIFENET Device Communications* window.

1.7 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. Open Field Bridge.
- 2. Log in with a user profile that has administrative permissions.
- 3. From the left menu, click Administrative Options.
- 4. Select the EKG tab.

Options	_	_		
[[] Incident	Ж Other	🠝 EKG		
		Philips	Setup	
	ZOLL			0
	D Physio-Control			0
	You can also edit your EKG settings t			e Bridge.
		OK	Cancel	

- 5. In the Physio-Control section, click Setup.
- 6. Complete the following fields as necessary:



• **Group Vitals Timeframe (In Minutes):** Select the number of minutes within which the imported vital records combine into a single record.

EXAMPLE: If you select 2, all vitals imported within 2 minutes of each other combine.

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 dat directly into the call)	a (No Activity data will be imported
*You will need to set up 'System Configuration from ЦГЕРАК	on' for Physio-Control in order import data
ОК	Cancel

- **Days of History to Show:** Set the number of days of case history that displays by default in the EKG Import Wizard in the Field Bridge.
- **OPTIONAL:** Select the *Attach File Only* checkbox to attach the file to the incident and not import the data into the patient care report.
- 7. Select to the *Vitals Filter* tab.

8. Select the vitals that Field Bridge will import from the *Available Vitals* box and use the arrows to move them into the *Selected Vitals* box.

Physio-Control EKG	Setup
Data Vitals Filter	
Available Vitals:	Selected Vitals:
✓ Import marker events	> Heartrate > Respiratory Rate ETCO2 NIBP IBP 12-Lead Analysis Defibrillation Print Pacing Started Pacing Stopped Pacing Set *
	OK Cancel

- 9. **OPTIONAL:** To import medications and procedures, select the *Import marker events* checkbox.
- 10. Click OK.
- 11. From the *Options* dialog box, select the *Physio-Control* checkbox.

Options		_	
	×		
Incident	Other	EKG	
Philips			Setup
		ZOLL	Setup
	Physio-Control		Setup
		ОК	Cancel

12. Click OK.

1.8 Test Your Connection: Send a Case

- 1. On the Field Bridge, create a new incident.
- 2. From the Power Tool toolbar, click the EKG Import button
- 3. If you have multiple monitors set up, select *Physio-Control* and click *Next*.



4. Click Load from Device.



5. Select the monitor you are using and click Next.

🚺 EKG Import		×
Welcome to the EKG In	iport Wizi	
Please Select Your Input Choice:		
LIFEPAK 500	*	Previous
LIFEPAK 12/LIFEPAK 15		Themous
LIFEPAK CK Plus/LIFEPAK Express		Next
	-	

6. Follow the instructions that appear. After you click *Send* on the monitor, the transfer is complete and a list of cases to download appear.



7. 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 Recent Cases* checkbox. This list is based on the *Days of History to Show* setting added on the Web-based

system.

EKG Import	
Welcome to the EKG Impo	rt Wizard
Select Physio-Control Case	
7/15/2009 1:03:56 PM	Import
7/15/2009 12:42:29 PM 7/15/2009 12:20:56 PM	
7/10/2009 9:15:15 AM	Load From Device
7/9/2009 2:26:14 PM	*
Remove Previously Imported Items	-

- 8. **OPTIONAL:** Select *Remove Previously Imported Items* to remove the EKG data from that import in the current patient car report. This removes all EKG, Vitals, Procedures, Medications, and Attachments created from a previous EKG import.
- 9. Click Import.

-				Activities	9
-	Date/Time 11:41:21 03/11/200	Crew	Type Vitals	Description Pulse: 30 Respiratory: 0 Open Defibrillation	
+	11:41:21 03/11/200 11:42:00 03/11/200		Vitals	Pulse: 72 Open	

10. At the bottom of the Activities window, click Save to save the record in the run form.

1.6 Viewing Wave Strip

- 1. Import the Vitals and EKG data from your Physio-Control monitor.
- 2. 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
•	EDS Support Phone	(888) 730-3255
•	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

