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# **WRM Configuration Studio Quick Start Guide**



#### WRM Configuration Quick Start Guide

Quick Start Guide — Rev 0 Mirion Technologies (MGP Instruments, Inc.) ©2009

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#### **Revision Log for User's Guide**

Index/Date Written by	Modified pages of this document	Origin and designation of the modification(s)
Revision 0, March 16, 2010 Jeff Bierlink, MGPI	All	Original version for Version 1.1.0.94

# 1. Preparation

## 1.1 Remove battery from an iPAM

## 1.2 Connect the iPAM

- Connect the iPAM with the supplied cable to an external AC powered USB Hub attached to your computer.

## 1.3 Install USB Driver

- Windows XP and newer Windows operating systems do not require a separate USB Driver for an iPAM. However, it is recommended that you install the iPAM USB driver for consistency.

- If you will be plugging in only one iPAM at a time the driver needs to be installed only once

- For Windows 2000 and earlier versions of Windows operating systems, a Hardware Update Wizard will be automatically displayed. Otherwise, follow the following steps:

For Windows 2000 and earlier skip to setup C

**Step A.** Navigate to the Device Manager (Right-Click on the My Computer and select Properties. Under the Hardware tab, select Device Manager)

#### Step B. Right-Click on the USB Serial Port, and select Update Driver...



#### Step C. Select Install from a list or specific location, click Next

Hardware Update Wizard		
	Welcome to the Hardware Update Wizard	
	This wizard helps you install software for:	
	USB Serial Port (COM45)	
	If your hardware came with an installation CD or floppy disk, insert it now.	
	What do you want the wizard to do?	
	<ul> <li>Install the software automatically (Recommended)</li> <li>Install from a list or specific location (Advanced)</li> </ul>	
	Click Next to continue.	
	< <u>Back</u> <u>N</u> ext > Cancel	

## Step D. Select "Don't search. I will choose the driver to install."

Hardware Update Wizard
Please choose your search and installation options.
○ Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM)
✓ Include this location in the search:
H:\iPAM Driver 2.04.16 WHQL Certified  Browse Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< <u>B</u> ack <u>N</u> ext > Cancel

**Step E.** Click on Have Disk, navigate to the provided driver folder and select "ftdibus.inf"

Locate File					? 🔀
Look in:	iPAM Driver	2.04.16 WHQL Certified	<b>~</b> (	) 🕫 🖻 🛙	
My Recent Documents Desktop	amd64 i386 ftdibus.inf ftdiport.inf Typ Dat Size	pe: Setup Information te Modified: 4/23/2009 11:38 e: 3.85 KB	АМ		
My Documents					
My Computer					
	File <u>n</u> ame:	ftdibus.inf		~	<u>O</u> pen
My Network	Files of <u>t</u> ype:	Setup Information (*.inf)		~	Cancel

#### Step F. Click OK



#### Step G. Click Next

Hardware Update Wizard			
Select the device driver you want to install for this hardware.			
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.			
Show compatible hardware			
Model			
iPAM USB Serial Port			
Image: This driver is not digitally signed!     Have Disk       Tell me why driver signing is important     Have Disk			
< <u>B</u> ack <u>N</u> ext > Cancel			

#### Step H. Click Continue Anyway (if prompted)

Hardwa	re Installation
1	The software you are installing for this hardware: iPAM USB Serial Port has not passed Windows Logo testing to verify its compatibility with this version of Windows. (Tell me why this testing is important) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway

#### Step I. Click Finish

Hardware Update Wizard		
	Completing the Hardware Update Wizard	
	The wizard has finished installing the software for:	
	iPAM USB Serial Port	
	Click Finish to close the wizard.	
	< <u>B</u> ack Finish Cancel	

Note: In some instances another dialog box will come up to specify an additional driver go back to Step C, and in Step E specify "ftdiport.inf"

#### 1.4 Install WRM Configuration Studio Software

#### 1.5 Identify Serial Communication port number

- In the Device Manager locate the iPAM USB Serial Port, and the COM port # associated with it.



## 1.6 Launch the WRM Configuration Studio application

Select WRM Configuration from the start menu

<b>**</b>	Programs	•	🖬 MGP Instruments	۲	<b>G</b>	WRM Configuration Studio	×	된 WRM Configuration
•			×					
٦	Documents	×						
<u>-</u>	Settings	×						
$\mathbf{P}$	Search	×						
?	Help and Support							
	Run							
0	Shut Down							

#### 1.7 Initial login Procedure

- Login screen
  - User name: Admin
  - Password: leave the field blank (default value)
- Select OK to login

🖲 User Login		×
<b>O</b>	MIRION TECHNOLOGIES	
User name		7
Password		
	Cancel	

#### 1.8 Warning Screen

- Read the warning screen and select ok to continue.

WRM C	ionfiguration Studio 🛛 🔀
♪	WARNING It is the responsibility of the user to understand the configuration settings for the WRM transmitters and iPAM-Tx and test those settings prior to operational use.

## 2. Set-up for Firmware Loading

2.1 Open Settings Tab and select the iPAM USB Serial Port from the list

😰 iPAM Configuration Studio		_ 🗆 🛛
Exit Log Out About Security		
iPAM Configuration Transmitter Configuration Settings Diag	nostics	
Select Com Port		
COM45 - iPAM USB Serial Port CDM6 - PCI Serial Port	Baud 🚦	57600 🔽
COM7 - PCI Serial Port COM1 - Communications Port	Flow Control:	NONE 🔽
COM - Communications - or	Data Bits 🛛 🖁	3 💌
	Parity 1	NONE 🔽
	Stop Bits	1 💌
	Test	: / Connect
Refresh Com Ports	Clea	ar Terminal
		^

2.2 Go to iPAM Configuration tab and click Read. Verify that the Parameters were read successfully.

#### 2.3 From the version drop down list select the latest firmware

😰 iPAM Configuration Studio 📃 🗆 🔀
Exit Log Out About Security
iPAM Configuration Transmitter Configuration Settings Diagnostics
Parameter view     Parameter view     Parameter view     Parameter view       Read     Write     Clear Screen     Save     Download New       Update Firmware     Batch     Load Defaults     Load     Versions
iPAM Model     Function Set     Version       iPAM-Tx 900Mhz     iPAM-Tx 900Mhz XSC MGP     A0B3
⊕ O Diagnostics     A0B2     A0B3
. ⊕ O Indicators
i → ··· O Advanced Settings

#### 2.4 Parameter View - Click the "Load Defaults" button

🕑 iPAM Configuration Studio	_ 🗆 🔀
Exit Log Out About Security	
iPAM Configuration Transmitter Configuration Settings Diagnostics	
Parameters and Firmware Parameter View Profile	Versions
Read Write Clear Screen Save	Download New
Update Firmware V Batch	Versions
iPAM Model Function Set	Version
IPAM-Tx 900Mhz VSC MGP	🖌 A0B3 🖌
O Diagnostics	

# 2.5 Parameters and Firmware - check Update Firmware, and check Batch.

😰 iPAM Configuration Studio	
Exit Log Out About Security	
iPAM Configuration Transmitter Configuration Settings Diagnostics	
Parameters and Firmware       Parameter View       Profile       Vector         Read       Write       Clear Screen       Save       Image: Clear Screen       Load         ✓ Update Firmware       ✓ Batch       Load Defaults       Load       Load       Image: Clear Screen       Load	ersions Download New Versions
iPAM Model         Function Set           iPAM-Tx 900Mhz         ▼           iPAM-Tx 900Mhz         ▼	Version A0B3
⊕ O Diagnostics	

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# 3. Initiate Firmware Loading Sequence

#### 3.1 Click Write

#### 3.2 Follow On-screen Instructions

*Note: You will be prompted to disconnect and connect each iPAM to complete programming. Only one disconnect/reconnect should be required.* 

3.3 Upon completion of the programming you will be prompted to connect the next iPAM. Click Stop Batch when finished.



**Note:** Each time you connect the iPAM to the USB cable the iPAM should do a power on self test. If the test does not occur as expected, disconnect and reconnect the iPAM at which time you can expect a successful self test.