Document No. 16-00132-1

Rev 0

March 16, 2010





WRM Configuration Studio Quick Start Guide



WRM Configuration Quick Start Guide

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

All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording or by any information storage or retrieval system, without permission in writing from Mirion Technologies (MGP Instruments, Inc.)

At the time of this release, all information contained in this document is believed to be true and accurate. Any and all comments or corrections received by Mirion Technologies (MGP Instruments, Inc.) become the sole property of Mirion Technologies (MGP Instruments, Inc.) Mirion Technologies (MGP Instruments, Inc.) Mirion Technologies (MGP Instruments, Inc.) reserves the right to retain the sole ownership of and to publish any comments and corrections received without any obligation to the sender.

Comments and corrections may be sent to:

Mirion Technologies (MGP Instruments, Inc.) Suite 150 5000 Highlands Parkway Smyrna, Georgia 30082

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? |
| | Install the software automatically (Recommended) Install from a list or specific location (Advanced) |
| | 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. |
| ○ <u>S</u> earch 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 <u>m</u> edia (floppy, CD-ROM) |
| ✓ Include this location in the search: |
| H:\iPAM Driver 2.04.16 WHQL Certified VIII Browse |
| On'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 Next > Cancel |

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

| Locate File | | | | | ? 🔀 |
|------------------------|------------------------|--|-------|--------|--------------|
| Look jn: | iPAM Driver 2 | 2.04.16 WHQL Certified | 💌 🔾 💋 | b 📂 🛄- | |
| My Recent Documents | Date | e: Setup Information e Modified: 4/23/2009 11:38 4 : 3.85 KB | M | | |
| My Documents | | | | | |
| My Computer | | | | | |
| | File <u>n</u> ame: | ftdibus.inf | | ~ | <u>O</u> pen |
| My Network | Files of <u>type</u> : | 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 |
|----------|---|
| <u>.</u> | 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

| 1 | Programs | • | MGP Instruments | • | Ē | WRM Configuration Studio | • 된 | WRM Configuration |
|--------------|------------------|---|-----------------|---|---|--------------------------|-----|-------------------|
| •••• | 2 | | × | | | | | |
| ٨ | Documents | • | | | | | | |
| <u>v</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 | | × |
|-------------------|------------------------|---|
| O | MIRION TECHNOLOGIES | |
| Username Admin | | _ |
| Password | | |
| | Cancel | |

1.8 Warning Screen

- Read the warning screen and select ok to continue.

| WRM C | Configuration 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. |
| | OK Cancel |

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 COM6 - PCI Serial Port | Baud 5 | 57600 🔽 |
| COM7 - PCI Serial Port COM7 - Communications Port | Flow Control: | NONE 🔽 |
| COM - Communications - or | Data Bits 🛛 🛛 | 3 🗸 |
| | Parity N | IONE 🔽 |
| | Stop Bits 1 | ~ |
| | Test | / Connect |
| Refresh Com Ports | Clea | r 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 |
| Read Write Update Firmware Batch |
| iPAM Model Function Set Version iPAM-Tx 900Mhz iPAM-Tx 900Mhz XSC MGP A0B3 A0B1 |
| ⊕ O Diagnostics A0B2 A0B3 |
| |
| · O Indicators |
| ⊕ ··· 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.

| 1 iPAM Configuration Studio | |
|---|-------------------------------------|
| Exit Log Out About Security | |
| iPAM Configuration Transmitter Configuration Settings Diagnostics | |
| | ersions Download New Versions |
| iPAM Model Function Set iPAM-Tx 900Mhz ▼ iPAM-Tx 900Mhz ▼ | Version A0B3 |
| ⊕ O Diagnostics | |

Page | 13

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.