ReadMe for GageWay Wireless System

This document includes updated information for the documentation provided with the GageWay Wireless System.

Contents

Part 1 Technical Support & Company Information

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Part 2 System Requirements

The system requirements for the GageWay Wireless System are as follows:

- 1MB of free disk space.
- Serial or USB port for transferring setup parameters.
- Windows 2000 or later operating system.

Part 3 Known Problems & Workarounds

There are no known problems with any of the GageWay Wireless System components.

Part 4 GageWay MiniStation Setup Program History

This program (GW_Wireless_Setup.exe) is for use on a PC to define and transfer the setup parameters to and from the GageWay MiniStation.

Ver 2.1.0.4 (10-30-06)

Original release of the GageWay MiniStation setup program for the PC.

Ver 3.1.0.12 (12-5-06)

Add functionality to support new features added to the MiniStation and Mobile Module.

Ver 3.1.0.13 (12-27-06)

Removed ability to select GagePort printer or Mitutoyo MUX10 for the Global channel.

Ver 3.1.0.15 (4-29-07)

A. Added support for the MiniStation Remote unit.
B. Extensive changes to support the new MiniStation and make it easier to work with the serial port.

Ver 3.2.0.20 (1-23-08)

A. Added support for the Universal Mobile Module.
B. Setup program requires MiniStation firmware to be version 3.00 to 3.49. If your MiniStation firmware is prior to 3.00, you must update the firmware.

Ver 3.2.0.21 (1-23-08)

A. Added enhanced read switch operation for the Universal Mobile Module.
B. Fixed problem that limited communication to MiniStations running firmware version 3.00. The Setup Program now supports MiniStation firmware versions 3.00 to 3.49.

Ver 3.2.0.22 (3-7-08)

A. Added advanced RS-232 setup features for the Universal Mobile Module.

Ver 3.2.0.23 (3-18-08)

A. Added option to leave the Universal Mobile Module (UMM) on after sending a command to the connected serial device.
    1. Only applies to Gage ID = 6.
    2. Implemented to support the Sylvac EDP 14704 (Fowler P/N: 54-520-680-2). This is a small digital indicator.

Ver 3.2.0.24 (4-7-08)

A. Added support for RF channel selection on Remote units. The RF channel number is set by the channel number from .BaseSN file. The channel is set on the Remote Setup tab. The user cannot set the channel number on the Main Setup tab. The RF Channel button on the Main Setup tab is disabled for Remote units.

Ver 3.2.0.25 (4-15-08)

A. Support added for Fowler/Sylvac Mini Resistant digital indicator. This indicator is powered by the Universal Mobile Module. A predefined setup is available in the Advanced RS-232 Setup dialog.

Ver 3.2.0.26 (5-21-08)

A. Increased wait time after switching the PAN ID when doing a mobile module association. This was necessary due to a hardware change in the radio module version 1084.

Ver 3.2.0.27 (10-20-08)

A. Added ability to enter control and extended characters for the send command in the Advanced RS-232 setup dialog. This dialog is used to configure the RS-232 interface for the Universal Mobile Module.
B. Removed the ability to enter the Null (\x00) character in the Setup program.
C. Added the Fowler Bowers XT Holematic gage as a predefined gage in the Advanced RS-232 setup dialog.

Ver 3.2.0.28 (10-27-08)

A. Added support for LMI gages in the UMM setup dialog (Gage ID = 14-1).

Ver 3.2.0.29 (8-3-09)

A. Added support for the USB MiniBase.

Part 5 GageWay USB MiniBase Unit Firmware History

The firmware is the software that resides within the GageWay USB MiniBase.

Ver 3.04 (8-3-09)

Original release of the GageWay USB Mini Base firmware.

Part 6 GageWay MiniStation Base Unit Firmware History

The firmware is the software that resides within the GageWay MiniStation for the Base mode of operation.

Ver 2.11 (10-30-06)

Original release of the GageWay MiniStation Base unit firmware.

Ver 2.12 (12-3-06)

A. Increased number of channels from 10 to 51.
B. Added channel identifiers options 01 to 50 and A to Z to Base mode.

Ver 2.14 (12-26-06)

Channel numbers in GagePort printer and MUX10 mode were 1 too high.

Ver 2.15 (4-29-07)

Support added for the MiniStation Remote mode of operation

Ver 3.00 (1-20-08)

Support added for the Universal Mobile Module.

Ver 3.01 (2-6-08)

Added reading gap time to "All Data Info" test output (<#D command).

Ver 3.02 (5-21-08)

Increased wait time after switching the PAN ID when doing a mobile module association. This was necessary due to a hardware change in the radio module version 1084.

Part 7 GageWay MiniStation Remote Unit Firmware History

The firmware is the software that resides within the GageWay MiniStation for the Remote mode of operation.

Ver 2.00 (4-29-07)

Original release of the GageWay MiniStation Remote unit firmware.

Ver 2.01 (6-13-07)

A. Move the EEPROM checksum calculation so that the checksum was only updated when the EEPROM was initialized
B. Fixed bug in find first numeric field. {space}-10.0 gave 10.0 not -10.0

Ver 3.00 (12-27-07)

Version number changed to make compatible with setup program version 3.2.0.x

Ver 3.01 (4-8-08)

Added support for user defined RF channels. The RF channel is automatically selected when the Remote unit is associated with the Base unit in the setup program.

Part 8 GageWay Mitutoyo Mobile Module Firmware History

The firmware is the software that resides within the GageWay Mobile Module. This firmware is loaded into the GageWay Mobile Module with the GW_Mobile_Module_Update.exe firmware update program.

Ver 2.10 (10-27-06)

Original release of the GageWay Mitutoyo Mobile Module firmware.

Ver 2.11 (12-3-06)

A. Added ability to cancel the last reading.
B. Added continuous read mode option.

Ver 2.13 (4-29-07)

Changes to allow compatibility with the new MiniStation firmware.

Ver 2.21 (1-20-08)

Numerous minor modifications to the firmware.

Part 9 GageWay Universal Mobile Module Firmware History

The firmware is the software that resides within the GageWay Mobile Module. This firmware is loaded into the GageWay Mobile Module with the GW_Mobile_Module_Update.exe firmware update program.

Ver 1.10 (1-20-08)

Original release of the GageWay Universal Mobile Module firmware.

Ver 1.12 (2-8-08)

A. Fixed buffer overflow problem with the Mitutoyo gage read function.
B. Added enhanced read switch operation.

Ver 1.13 (3-7-08)

A. Added Advance RS-232 setup support.
B. Added VCC handshake line to gage connector for user defined RS-232 gage type. This handshake is required by the Tohnichi torque wrench.

Ver 1.16 (4-14-08)

A. Added Advance RS-232 setup support for the Fowler/Sylvac Mini Resistant Indicator. This indicator is powered by the Universal Mobile Module and can significant reduce battery life.

Ver 1.17 (4-21-08)

A. Fixed timing problem associated with reading the Mitutoyo 543 digital indicators.

Ver 1.18 (5-7-08)

A. Revised the method for getting a measurement from a Sylvac Simplex gage.

Ver 1.19 (10-14-08)

A. Modified continuous read mode so that if transmission failed, the UMM would restart a read cycle to minimize the time without getting a reading. If a response is not received from the Base that the reading was received, the green LED will not flash. If the transmission was successful, the green LED will flash.
B. With a few of the radio modules, if the read button was pushed very rapidly, the UMM could end up in a state that required the user to remove and reinstall the battery. This potential problem has been fixed

Ver 1.20 (10-16-08)

A. Fixed a problem with automatic power down when using some RS-232 devices. This problem was introduced in version 1.19.

Ver 1.21 (1-16-09)

A. Added support for Ono Sokki EG-225 gage.

Ver 1.22 (8-24-10)

A. Fixed problem reading Mitutoyo 543 gage. The measurement output timing for this gage does not adhere to the Mitutoyo specification (yes, this gage is manufactured by Mitutoyo).