



## Revision 2.06

- ▶ Improved robustness when starting up at a voltage lower than 1.8V
- ▶ Corrected a bug affecting start-up of new GTK Wave version in SPI analyzer mode of operation.
- ▶ Improved SPI analyzer mode of operation protocol decoding

## Revision 2.05

- ▶ Corrected bug affecting memory allocation for Smart Router - 'always increasing memory' problem solved for Smart Router.
- ▶ Added initialization file support.

## Revision 2.04

- ▶ Enabled support of devices with S/N starting with '05'.

## Revision 2.03

- ▶ Enabled support of multiple/cross-platform devices. GP/Xpress devices can now be used with Storm devices without conflict.
- ▶ Improved multi-voltage support with better signal shapes at each voltage. Manual control of I/O voltage configuration added.
- ▶ Upgraded GTK Wave (wave viewer) to version 3.3.8
- ▶ Improved trigger performance for 03 devices in logic analyzer mode: latency for getting first sample is now 0.
- ▶ Corrected bug affecting Logic Analyzer Real-Time monitor in version 2.02

## Revision 2.02

- ▶ Corrected bug affecting SPI master script parsing

## Revision 2.01

- ▶ Included new signed drivers
- ▶ Improved 4-wire SPI performance

## Revision 2.00

- ▶ Several bug fixes for long scripts in SPI mode.
- ▶ License management update

## Revision 2.00 RC1

- ▶ New 32-bit and 64-bit USB driver
- ▶ Multi-device support
- ▶ Several bug fixes

## Revision 1.08j

- ▶ Corrected issue for SPI transfers above 4K bits.
- ▶ Updated the documentation about SPI access length

## Revision 1.08i

- ▶ Some parameters update in I2C functions / C/C++ DLL – refer to documentation



## Revision 1.08h

- ▶ Changed outputs behaviours in case configuration is reset – last value is held.
- ▶ Corrected GP-24100 default value output on control lines in ADWG modes: in some cases, the value did not come out.

## Revision 1.08g

- ▶ Fixed clock divider issue in GP-24100 device – bad clock signal at some frequencies

## Revision 1.08f

- ▶ Corrected bad data alignment with clock in in some SPI Master modes
- ▶ Corrected bug in GP-24100 ADWG infinite loop mode for data widths below 16 bits
- ▶ Corrected various minor issues with I2C mode of operation (I2C Xpress / GP-24100)
- ▶ Added alternative I2C port for I2C mode, without pull-ups
- ▶ Corrected loop interpretation problem in ADWG configuration file
- ▶ Corrected template generation in ADWG mode
- ▶ Updated documentation

## Revision 1.08e

- ▶ Corrected a bug preventing from generating output clock /using input clock properly in ADWG and Analyzer modes.

## Revision 1.08d

- ▶ Added 5V plug-in support for 02/03 release hardware
- ▶ Corrected trigger issues in I2C Analyzer mode of operation for 02/03 release hardware
- ▶ Improved I2C Analyzer decoding
- ▶ Corrected C/C++ libraries data collection issues in I2C Master mode
- ▶ Simplified I2C Master mode C/C++ data list input – refer to I2C C library documentation

## Revision 1.08c

- ▶ Corrected an issue when using 'burst' functions in SPI mode / C/C++ libraries: in some situations, calling InitBurst caused an application crash.

## Revision 1.08b

- ▶ Corrected bug in 1.08a version / I2C master: speed was stuck at 100 kHz

## Revision 1.08a

- ▶ Corrected bug in ADWG control sequence
- ▶ Added ADWG trigger auto-rearm functionality
- ▶ Updated I2CC.h to ease initialization in C environment – changed initialisation function
- ▶ Corrected JTAG mode support for GP-24100 devices
- ▶ Known issues:
  - GP-24100 / Analyzer mode: trigger positioning is not available



## Revision 1.08

- ▶ Support for hardware revision 03 / GP-24100 product
- ▶ Known issues:
  - GP-24100 / Analyzer mode: trigger positioning is not available
  - GP-24100 / ADWG mode: trigger rearm is not available

## Revision 1.07a

- ▶ Corrected a bug related to IdleBurst function in SPI mode of operation

## Revision 1.07

- ▶ Added support for new hardware revisions 02 and 03

## Revision 1.06e

- ▶ Corrected SPI TCL/tk library

## Revision 1.06d

- ▶ Corrected bug preventing use of large hex files in ADWG mode
- ▶ Corrected SPI GUI - 'Enable Waveviewer' is now functional
- ▶ Improved SPI Waveviewer start-up and load for large files
- ▶ Corrected bug affecting start-up of TCL console in SPI mode
- ▶ Corrected burst functions in SPI TCL/tk mode

## Revision 1.06c

- ▶ Corrected bug affecting analyzer modes.

## Revision 1.06b

- ▶ Corrected I2C Master bug affecting data read-back on USB.

## Revision 1.06a

- ▶ Extended Smart Router maximum number of clients in a run

## Revision 1.06

- ▶ Added I2C mode of operation
- ▶ Added support for PLG-LC-005 plug-in
- ▶ Upgraded TCL/tk environment to TCL/tk 85
- ▶ Corrected known bugs
- ▶ Upgraded development environment to VS 2005

## Revision 1.05d

- ▶ Updated 8PI Control Panel for SPI Xpress device.
- ▶ Made 'pure C' SPIIC.dll available



## Revision 1.05c

- ▶ Corrected Analyser data mask issue in GUI
- ▶ Corrected GTK wave configuration file issue for Analyser
- ▶ Included former 1.05b Analyser patch for C functions

## Revision 1.05b

- ▶ Added trigger positioning in Analyser Mode
- ▶ By default, suppressed the uncertainty on WE signal generation in SPI 3 Master mode.

## Revision 1.05a

- ▶ Corrected Analyser mode save bug

## Revision 1.05

- ▶ Added trigger/rearm ability in ADWG mode
- ▶ Added edge triggering ability
- ▶ Added SPI master / analyser mode (requires separate license)
- ▶ Corrected known bugs

## Revision 1.04b

- Patch to solve issue with ADWG mode: some sample lengths were incorrectly handled.

## Revision 1.04

- ▶ Enhanced *Smart Router*
- ▶ Improved robustness
- ▶ Removal of weak pull-up on unused device pins
- ▶ New *Infinite Loop* feature for the arbitrary waveform generator operating mode
- ▶ Data compression between host computer and device to optimise bandwidth usage
- ▶ New *Bandwidth Tester* application including in the *Base* package
- ▶ Integration of the *GTKWave* viewer in the *8PI Control Panel* application
- ▶ C/C++ library and header files included in the *Base* software package
- ▶ New function sending data directly to the device without using an intermediate file. Available in TCL and C/C++ libraries.

## Revision 1.03b

- ▶ Patch to solve the following issue: when using the GP-22050 at 50 MHz it could sometimes remain blocked.

## Revision 1.03

- ▶ Integration of the *Smart Router* application. It controls and grants device access to the different client applications (GUI, TCL console, etc.). It is not mandatory anymore to start the *8PI Control Panel* graphical interface to control the device. For example, a stand-alone TCL console can be used.
- ▶ Improved software stability
- ▶ Correction of several issues reported when using the device at low system frequencies
- ▶ Shortcut to the TCL console moved to the Tools menu or via the shortcut bar in the *8PI Control Panel* graphical interface.



## Revision 1.02

- ▶ State analyser application page now available from the 8PI Control Panel.
- ▶ JTAG protocol controller page now available from the 8PI Control Panel.
- ▶ Performance improvement for data transfer for all application of the base package (ADWG, analyser and JTAG). Data transfer can now be performed continuously at higher rate. The performances are highly dependent of the host computer performances.
- ▶ Upgrade of the system clock frequency definition for the ADWG application. The ease of use has been improved.
- ▶ Changes have been performed to stabilise the application and to improve its robustness.

## Revision 1.01

- ▶ GP-22050 device firmware update: the GP-22050 device firmware has been updated to correct a bug that would potentially have corrupted the firmware data and would have prevented further firmware updates using the standard procedure.
- ▶ Use of the GP-22050 device with other USB devices: when another USB device is plugged or unplugged while using the GP-22050 device, this one no longer unconnects.
- ▶ Software stability: the GP-22050 host software stability had been improved.
- ▶ ADWG GUI update: in the static mode operation page, the check boxes used to specify the data pattern are now enabled / disabled according to the data mask defined with the configuration tab.