



## TMX / TMX-18 / TMX-R Software Release Notes

### VERSION 2.0 - July 18, 2016

#### New Features:

- LOAD host command to load setup files
- RMS time constants 0.05, 0.1, 0.15
- FTP of archived data captures from unit to offline.
- Check for invalid file name characters in capture base name.
- Choice to save Average, Minimum, or Maximum for compressed ASCII Archive in Review

#### Enhancements:

- Improved measurements for scrolling and zooming.
- Improved video review
- Improve PAL support for video.
- Eliminated intermittent menu flicker in scope and review
- Improved video and IRIG time sync.

#### Notes: None.

### VERSION 1.91 - May 30, 2014

#### New Features: None.

#### Enhancements:

- Improved the calibration of the ITCU-12 temperature module.

#### Notes: None.

### VERSION 1.9 - April 15, 2014

#### New Features:

- Support for Windows 7 has been added to allow TMX to run with Window 7 OS.
- Derived channels can now include up to six input channels. Previously, the maximum was four channels.
- In data review mode, the cursor color can now be set by the operator.

#### Enhancements: None.

#### Notes: None.

## **VERSION 1.8 - July 15, 2013**

### **New Features:**

- Added several enhancements to the Data Capture Review Mode such as Reference Time, Goto Position, Goto Range, Advanced Search for min and max value.
- Numeric meters can now be resized.
- A new feature called Highlights is now available with the TMX. Highlights allow you to mark areas of interest during realtime recording and data captures.
- Email alerts now support Google Gmail as well as attachment of PDF data screen capture.
- The ITCU-12 temperature module now provides a 800 Hz sample rate selection.

### **Enhancements:**

- The low alarm value is now reported correctly in the data capture file summary.

### **Notes:**

- For existing ITCU-12 temperature modules, support for 800 Hz sample rate requires update to the ITCU-12. Contact Technical Support for more information.

## **VERSION 1.7 - October 3, 2012**

### **New Features:**

- Users can set an opacity (transparency) setting for channel information and meters.
- Auto Channel ID added for realtime.
- A new host command (EDUT) allows the host to set the real time user text.
- Advanced searches now include date and time information in addition to sample number.
- ITCU-12 now allows the user to enter a fixed value for cold junction compensation (for each channel).
- Users can now set Email alerts for capture complete, trigger and capture drive full.

### **Enhancements:**

- Shortcuts on the control panel are now saved with the global file.

## **VERSION 1.6 - June 5, 2012**

### **New Features:**

- Support for the new DIOC-16 16-Channel Digital I/O, Analog Output, Counter and Relay Module was added.
- Print features now allow users to print to a PDF. This includes Scope, Review and Real time screens. Multi-screen prints will be sent as a multi-page PDF.

- The ability to change the bottom and center settings in the channel settings screen for RMS channels has been added.
- A launch button has been added. In control panel setup, users can add the button to launch an application with a single button.
- A new user text area has been added to the bottom of the display area.

**Enhancements:**

- Derived channels now support asin, asind, acos, acosd, atan, atand, and exp.
- A text value has been added to the meter gauge.
- A progress bar has been added to delete and undelete of data capture records.
- New host commands for full page mark and print IDs have been added.

**VERSION 1.5 - December 9, 2011**

**New Features:**

- Support for TEDS sensor settings has been added for the IEPE-6 signal module.
- Horizontal grid markers can now be added to waveform channels.

**Enhancements:**

- The alarm output on the utility port now correctly reflects the alarm settings selected for the waveform alarms.

**VERSION 1.4 - August 18, 2011**

**New Features:**

- Adds support for optional Compressed Data Capture.
- Adds support for optional High Speed Video Capture.
- Adds Log and natural Log functions to the derived channel setup.
- Adds print function to the scope viewer.

**VERSION 1.3 - May 13, 2011**

**New Features:**

- Adds support for Video capture and review.
- ASCII archive in Scope Mode and Review Mode is available.
- In Review Mode, auto scale between cursors is now available.
- In Realtime Mode, auto range is now available.

**VERSION 1.2 - February 25, 2011**

**New Features:**

- Adds support for the TMX-IR IRIG/GPS Decoder option. This is a factory installed, TMX PCI option that supports IRIG A, B, G, E, NASA 36 and GPS time codes.
- Adds support for printing to the Real-Chart NP. The maximum print speed of the Real-Chart NP is 10 mm/S when connected to the TMX.

**Enhancements:**

- Users can no longer set the channel labels to have more than 32 characters. The TMX is limited to 32 character labels but the previous version would allow more than 32 to be entered.

**Notes:**

- A new TMX theme must be installed to correct the font size so that menus do not wrap around when set to the German language.

**VERSION 1.1 - December 7, 2010****New Features:**

- Version 1.1 Now supports UNIV-6, IHVM-6, NIDV-16 and the new ITCU-12 12 Channel Thermocouple Module that works with J, K, E, T, N, B, R, S & C thermocouples.
- QuickLook capability: Allows data captures to be reviewed quickly and easily.
- Overlapping waveforms with channel and channel limit annotation.
- Improved GUI allows the user to hide pens, limits and icons providing more room for important waveform data.
- Updated Trigger Menu with new Periodic and Time Trigger capability. Periodic and time triggers allow data captures to be started based on elapsed time and a specific date/time respectively.
- "Scale To Levels" feature allows easy setup of engineering units for linear sensors.
- Optional Feature: TMX-TTLIRB, provides post acquisition IRIB B TTL time synchronization, please contact Test & Measurement Sales for more information on the TMX-TTLIRB feature.

**VERSION 1.0.5 - October 27, 2010**

- Improved the data capture drive formatting routines.

**VERSION 1.0.4 - October 1, 2010**

- Adds support for the TMX-E signal expansion chassis as well as support for the TMX-R rackmount version.

**VERSION 1.0.3 - July 15, 2010****New Features:**

- **LookBack Review:** The LookBack feature allows the user to review a data capture record while capture data. Note: Data capture must be at least 8 MB before LookBack file is active and available for review.
- **Software Enhancements:** When an RMS filter is engaged, 0V will now be displayed at the bottom of the grid. When a system default is performed, any derived channels that were engaged will be removed. Channels selected as "Off" in the data capture menu are now correctly saved/recalled in capture/global files. Sample rates now error checked on file load in case of configuration change.
- **Boot Code Upgrade:** Requires Factory Upgrade A new DSP boot code version 1.1 upgrade is now available to address the intermittent "Insert Upgrade Key" error exhibited upon bootup in certain TMX units. This boot code upgrade is a factory upgrade only. This upgrade is not required if your TMX unit does not exhibit the "Insert Upgrade Key" error upon bootup.

#### **VERSION 1.0.2 - June 17, 2010**

- Adds support for the NIDV-16 signal input board. The NIDV-16 is the 16-channel non-isolated differential voltage signal input module.

#### **VERSION 1.0.1 - May 3, 2010**

- Improves performance of auto-archive after a power loss and capture restart. Changed default trigger setting to enable manual abort by default. Version 1.0 April 22, 2010 Initial release of TMX system software.