



# GE MDS *PRODUCT RELEASE NOTE*

RELEASE NOTE: TD220X Firmware Version 2.0.17  
RELEASE DATE: October 10, 2017

**FIRMWARE**

©2017 GE MDS LLC, 175 Science Parkway, Rochester, NY 14620 USA  
Phone +1 (585) 242-9600, FAX +1 (585) 242-9620, Web: www.gemds.com

## MDS TD220X FIRMWARE – VERSION 2.0.17

### Overview

This section describes Software/Firmware updates for the MDS TD220X product.

Product: MDS TD220X  
Version: 2.0.17  
Release Date: 10-OCT-2017

Package Element	Version
Bootloader	0.0.3
Kernel	0.0.5
RootFS	2.017* CM ACSES 4.4.0*
MCU	2.2.1*
DSP	0.1.8

\* = updated

### Important Notes:

- This release note lists changes since the most recent production release, 2.0.13.

### New Features

1. Wabtec CM ACSES release 4.4.0 integrated for use when authorized.
2. Add 'Use Legacy GPS Timing' setting to prevent GPS bases transmitting one second later than PTP bases.

### Changes to Existing Features

1. Change PTP valid offset tolerance from 200 to 350us to match TD220MAX 1.2.6 and above.

### Defect Fixes

1. MCU upgraded to 2.2.1 (as with any MCU change, first power on will take a few minutes to initialize)
  - a. Fix dual deviation support by separating Transmit Sample Table into two, below and above 220MHz
2. Restore GPS Status menu under Statistics menu.
3. Update the Authorized Features status when an Authorization Key is entered.
4. Prevent console output 'flash erase successful' when upgrading a unit to 2.0.17.
5. SNMP trap OID trailing '.1' element removed to match td220x\_comm.mib OID td220xEventObject.

### Known Errata

1. None

## **Operational Notes and Limitations**

---

1. Compatibility with TD220, TD220PLUS, TD220MAX
  - This firmware is for use on TD220X units only.
  - TD220X is not over-the-air compatible with TD220 or TD220PLUS products.
  - TD220X releases 2.0.16 and higher are over-the-air compatible with TD220MAX releases 1.2.5 and above.
2. After upgrading, the Starting Information screen may show Device Status “Initializing” for up to five minutes.
3. The ethernet port operates in 10Mb half-duplex mode.