

# Release Notes



## **MTM400EI & MTM400ES MPEG Transport Stream Monitors 061-4275-00**

This document applies to firmware version 2.0 and above.

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# Release Notes

This document describes the new features that are added to the MTM400EI & MTM400ES MPEG Transport Stream Monitors with Version 2.0.2.0 of firmware. This version of firmware incorporates version 2.0.3.0 of the Remote User Interface.

## MTM400EI & MTM400ES Version 2.0.2.0

### New Features

- Added support for QAM RF interfaces (Annexes A, B, and C).
- Added RF signal quality metrics (MER and EVM) and constellation display for all QAM and QPSK interfaces.
- Improved Service Logging setup.
- Added support for Chinese, EchoStar, and DigiCypher II DVB variants.
- Implemented alternate SNMP Community strings: In addition to “public,” read and write strings can now be set for legacy management systems.
- Implemented SNMP Traps: A trap can be set for every event that is raised or cleared.
- Added testing for ATSC DCCT tables.
- Phase 1 ISDB-T support: Tables, standard selection, SI decoding, and TMCC view.

### Defects Fixed

- IRSdb53785 - Assertion in Circular Buffer.
- IRSdb53447 - Assertion when [incomplete] recording cleared.
- IRSdb53691 - Stopping and clearing a recording causes a reboot.
- IRSdb53608 - Clearing a partially recorded stream causes reboot.
- IRSdb53715 - Inconsistent section number/last section number fields in a subtable causes crash.
- IRSdb52250 - QAM card returns in lock even when not selected.

- IRSdb52131 - Logging hold-off duration used for both start and stop durations.
- IRSdb53408 - Program and PID Group bit-rate limits do not work after reboot.
- IRSdb53409 - Device uploads do not work without default device name.
- IRSdb53412 - PMT Test Enabled MIB entry doesn't work.
- IRSdb53414 - If mandatory tables are missing then no errors are reported.
- IRSdb53418 - PID groups - raw data has limits corrupted.
- IRSdb54684 - SFN information incorrect.
- IRSdb53587 - XML parser - incomplete handling of escape sequences.
- IRSdb54675 - Fixes problem tuning QAM B card to 170 MHz.
- IRSdb54391 - Reallocate RAM, record store reduced from 200 to 170 MB. The RAM is now used to handle EchoStar EPG stream.

#### **Feature Requests (CLPFs) Satisfied**

- CLPF 15206/16372 - DCII Support
- CLPF 15893/16530 - QAM B

## Remote User Interface Version 2.0.3.0

### New Features

- Support for Chinese and ISDB (Japanese) standards.
- Phase 1 ISDB-T support (Tables, standard selection, SI decoding, and TMCC view).
- Added Japanese and Chinese character support for logging and stream content.
- Added support for QAM RF interfaces (Annexes A, B, and C).
- Added RF signal quality metrics and constellation display for QAM and QPSK interfaces.
- Added service logging interface. You can configure, monitor, and log service logging from the RUI.
- Added support for EchoStar and Digicypher II DVB variants.
- Added configuration for additional SNMP community strings in the network dialog.
- Added SNMP trap configuration. You can configure trap generation on raise or clear in the test screen in the same way as relays, TTL, and recordings.
- Added the Overview screen which shows a pie chart of the stream content, a list of programs, and a summary of tests. (The Overview screen replaced the Summary screen.)
- Added testing for ATSC DCCT tables.
- SI view now has progress indication and can be aborted.

