

# XMT-500 Firmware Release Notes

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## Version 1.04

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**Release Date:** 2025-01-16

- Send app:
  - It is now possible to set the “Edit Mode” in the send app settings:
    - “Normal” (default): A value set to a channel is persistent.
    - “Sticky Value”: A value set to a channel is restored to its previous value when switching to another channel. Similar behavior to the XMT-350 “Direct Mode”.
  - Bug fix: The increment / decrement in percentage mode now works properly.
  - Improvement: “Address” is renamed to “Channel” and “Level” to “Value”.
- Receive app:
  - Improvement: “Address” is renamed to “Channel” and “Level” to “Value”.
- RDM app:
  - Device menu has an improved response time.
  - The device screen is restyled and allows for longer strings.
  - The device settings menu, giving access to additional PIDs:
    - The device settings menu is available through pressing down when in the device screen.
    - The device settings menu will issues GET requests for all PIDs in the menu.
    - The PIDs that can be set also have an editor appropriate for the PID.
      - For PIDs containing only one value, the SET request is sent when the PID editor is closed.
      - For PIDs containing multiple values, the SET request is sent when the menu displaying all values is closed.
    - The displayed PIDs depend on the setting “Supported PID Filter” in the RDM settings menu:
      - “Enabled” (default): Only PIDs a device reports as supported are displayed.
      - “Disabled”: All PIDs are displayed. Unsupported PIDs are displayed as “N/A” in the menu and SET requests will report the `NACK_REASON` from the device.

- Support for the following PIDs:
  - Product Information
    - BOOT\_SOFTWARE\_VERSION\_ID ( 0x00C1 )
    - BOOT\_SOFTWARE\_VERSION\_LABEL ( 0x00C2 )
    - DEVICE\_INFO ( 0x0060 )
    - DEVICE\_LABEL ( 0x0082 )
    - DEVICE\_MODEL\_DESCRIPTION ( 0x0080 )
    - FACTORY\_DEFAULTS ( 0x0090 )
    - MANUFACTURER\_LABEL ( 0x0081 )
    - SERIAL\_NUMBER ( 0x00D3 )
    - SOFTWARE\_VERSION\_LABEL ( 0x00C0 )
  - DMX512 Setup
    - DMX\_FAIL\_MODE ( 0x0141 )
    - DMX\_PERSONALITY ( 0x00E0 )
    - DMX\_PERSONALITY\_DESCRIPTION ( 0x00E1 )
    - DMX\_STARTUP\_MODE ( 0x0142 )
    - DMX\_START\_ADDRESS ( 0x00F0 )
  - Power/Lamp Settings
    - BURN\_IN ( 0x0440 )
    - DEVICE\_HOURS ( 0x0400 )
    - DEVICE\_POWER\_CYCLES ( 0x0405 )
    - LAMP\_HOURS ( 0x0401 )
    - LAMP\_ON\_MODE ( 0x0404 )
    - LAMP\_STATE ( 0x0403 )
    - LAMP\_STRIKES ( 0x0402 )
  - Display Settings
    - DISPLAY\_INVERT ( 0x0500 )
    - DISPLAY\_LEVEL ( 0x0501 )
  - Dimmer Settings
    - CURVE ( 0x0343 )
    - CURVE\_DESCRIPTION ( 0x0344 )
    - DIMMER\_INFO ( 0x0340 )
    - MAXIMUM\_LEVEL ( 0x0342 )
    - MINIMUM\_LEVEL ( 0x0341 )
    - MODULATION\_FREQUENCY ( 0x0347 )

- MODULATION\_FREQUENCY\_DESCRIPTION ( 0x0348 )
- OUTPUT\_RESPONSE\_TIME ( 0x0345 )
- OUTPUT\_RESPONSE\_TIME\_DESCRIPTION ( 0x0346 )
- **Configuration**
  - DEVICE\_UNIT\_NUMBER ( 0x0656 )
  - PAN\_INVERT ( 0x0600 )
  - PAN\_TILT\_SWAP ( 0x0602 )
  - SHIPPING\_LOCK ( 0x0650 )
  - TILT\_INVERT ( 0x0601 )
- **Control**
  - CAPTURE\_PRESET ( 0x1030 )
  - IDENTIFY\_MODE ( 0x1040 )
  - IDENTIFY\_TIMEOUT ( 0x1050 )
  - POWER\_OFF\_READY ( 0x1051 )
  - POWER\_ON\_SELF\_TEST ( 0x1044 )
  - POWER\_STATE ( 0x1010 )
  - PRESET\_PLAYBACK ( 0x1031 )
  - RESET\_DEVICE ( 0x1001 )
- **Sensors**
  - SENSOR\_VALUE ( 0x0201 )
  - SENSOR\_DEFINITION ( 0x0200 )
- Support for RDM sub-devices:
  - When a RDM device reports sub-devices, the sub-devices will be displayed when entering the device settings menu.
  - One can choose between editing the root device, all sub-devices or the selected sub-device.
- Support for patching:
  - The device menu features a new soft button: Patch.
  - The Patch button will open a new window where the DMX start address of devices can easily be edited.
- Support for DMX in the RDM data stream.
  - It is now possible to also send DMX from the RDM app.
  - This can be enabled in the RDM app settings under “DMX Output”.
    - The “RDM Only” (default) option will only send RDM.
    - The “DMX Low” option will send a DMX packet every 50th frame.
    - The “DMX Med” option will send a DMX packet every 15th frame.

- The “DMX High” option will send a DMX packet 3rd frame.
- The source of the DMX values can also be chosen:
  - The “DMX Input” (default) option will use the DMX values from the DMX Input.
  - The “Send App” option will use the DMX values from the send app.
- Support for sorting the device menu:
  - The sorting can be set in the RDM app settings under “Sort Devices by”:
    - “Natural” (default) sorts the devices by the order of their discovery.
    - “Model” sorts the devices by manufacturer and model ID.
    - “DMX Address” sorts the devices by the DMX start address.
- Node app:
  - Now a standard app, feature package is no longer required.
- Cable Test app:
  - Fix false positives for rare cases with the DMX and RJ45 dongle.
- General:
  - String editor:
    - Improve scrolling behavior.
    - Copy and paste can no longer paste more than the maximum allowed string length.
    - Validity check is reset properly when reopening.
  - Number editor: Support for negative numbers (when in range).
  - Bug fix:
    - Fix an issue where in rare cases a button press could be acted upon twice.
  - Improvements:
    - Display updates should be smoother and with less artifacts.
    - Firmware version is displayed in bottom right of the splash screen.
    - Battery charging screen turns off display after the time set with “Reduce Display Brightness After” power setting has elapsed.
  - Feature packages:
    - Feature packages are removed.

## Version 1.03

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**Release Date:** 2024-05-27

- Receive app:
  - Table view is now available as display mode.

- Graph view is no longer displaying a zero value as a red bar but as a grey bar instead. Current cursor position is shown with a green bar below.
- Configurable source timeout (available in advanced settings).
- Currently selected address is now stored persistently.
- Bug fix: Fixed an issue of protocols being displayed as valid if no longer present.
- Bug fix: Fixed an issue where a protocol was displayed as valid if previously sent by send app.
- Send app:
  - Allow setting of sACN priority.
  - Currently selected address is stored persistently.
  - Moved some settings into an advanced sub menu.
- Routing screen (send and receive app):
  - The routing screen has been reworked for better usability.
  - The screen now allows access to the input or output configuration depending on context (send or receive app).
  - Protocols can now be selected by pressing left and right and confirming with OK.
  - The universe can now be changes by pressing Up or Down.
    - Optionally long pressing OK goes into a cursor edit mode which allows easier edits for bigger jumps.
- RDM app:
  - Identify can now be toggled with a function key.
  - Full discovery at app start up can now be aborted.
  - Bug fix: Identify should now be cleared properly when closing the RDM app or when turning off the device.
- Node app (additional feature package):
  - With the node app the device can be used as a two-port node.
  - Art-Net and sACN are supported.
  - Both XLR ports can be used as input or output ports.
  - For the output mode, the node app supports:
    - Refresh rate: Max and relaxed.
    - Merge modes: HTP, LTP, Off.
    - Failure behavior: DMX Hold, Off.
- Cable Test app:
  - For the ETH dongle tab, the colors can now be switched between T568A and T568B, settable in the cable test settings menu.

- Device Settings:
  - Additional options for turn off time and display brightness reduction.
  - Change order of items: firmware version is before boot loader version now.
  - Firmware version only displays in “major.minor” format. For full version, press OK.
- Web Interface:
  - There is now a web interface available. It can be reached by entering the IP of the device into a web browser.
  - The following features are currently supported:
    - Firmware update: This page allows to update the device’s firmware.
- General:
  - Numeric or selection settings in menus can also be changed by pressing left and right buttons.
  - Improve persistency of settings.

## Version 1.02

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**Release Date:** 2024-02-27

- USB: Fix issue with WCID support.

## Version 1.01

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**Release Date:** 2024-02-12

- Receive app:
  - Introduce protocol indicators to display the state of the protocols:
    - When the protocol is disabled, no indicator is shown.
    - When the protocol is enabled but has no signal, it is displayed in grey.
    - If the protocol has valid signal but is not displayed since there is a higher priority protocol, its border turns green.
    - If the protocol has valid signal and is currently displayed, it fully turns green.
  - Introduce graph view:
    - Can be selected in the receive app settings menu.
    - Level is displayed in red if 0.
    - Currently selected channel is highlighted in green.
  - Bug fix: When in receive app, the input signal will always be forwarded to the output port.

- Send app:
  - You can now set the number of slots sent in the send app settings.
- Routing screen:
  - Universe 0 is now allowed.
  - Art-Net and sACN selectors are disabled when the current universe is invalid for the protocol.
- Cable test app:
  - When activating the RJ45 dongle test while there is currently an active ethernet link, there is a new prompt to use the RJ45 dongle.
  - Covering a few more additional connection cases.
- Timings app:
  - Bug fix: When in timings app, the input signal will always be forwarded to the output port.
- General editors:
  - The value field can now be focused and navigated with left and right to move the cursor.
  - Long press on soft-key “Backspace” to clear current value.
  - Long press on hard-key “OK” to accept independent of current position.
  - When closing an editor which has unsaved changes with the “Back” hard-key, a dialog will pop-up.
- IP editor:
  - Additional checks for validity against subnet.
- Battery:
  - Battery indicator in running device now has one additional bar.
  - Charging screen:
    - Improved charging animation to indicate state of charge.
    - Changed text to display state of charge with “Charging” or “Full”.

## Version 1.00

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**Release Date:** 2023-10-04

- Initial Release.