

**DTX5002-R
Firmware Revision 3.2.0.15
Release Notes
December 3rd 2008**

This document outlines:

1. DTX5002-R System Firmware Version and Compatibility
2. Important Installation Notes
3. How to Update Firmware
4. Enhancements
5. Fixes
6. Notes

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**DTX5002-R System Firmware Version and Compatibility
Version 3.2.0.15**

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Version 3.2.0.15 of HMX System firmware is intended to be used in a system with the following HMX system-component revisions:

- DTX5002-T Revision 3.2.0.15
- DTX5002-R Revision 3.2.0.9
- DTX-CTRL Revision 2.2.0.5532

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Important Installation Notes

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When upgrading directly it is important to upgrade Transmitters before upgrading Receivers.

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How to Update Firmware

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It is recommended to use DTX-CTRL to upgrade receivers. The Receiver can also be upgraded using a serial or http upgrade procedure, as described below.

Prior to upgrading/downgrading:

1. Remove any attached vMedia devices (memory key or CD\DVD ROM).
2. When reverting to a previous version of firmware always set:
 - a. The Network Speed on both Transmitter and Receiver to Auto-Negotiate.
 - b. The Target Video to DVI-Normal or VGA-Normal.

Procedure 1 – Upgrade using DTX-CTRL

This procedure assumes that the receiver is already being managed by DTX-CTRL.

1. Upload the unit firmware file using the System > Unit Files > Add button in DTX-CTRL.
2. In DTX-CTRL, click on the Units tab. A list is displayed of all the units that are managed by DTX-CTRL.

3. Click the appropriate unit name. The Unit Overview window will open.
4. In the Tools section, click the Upgrade Firmware icon. The Upgrade Unit Firmware wizard will launch.
5. Click Next. The Select Firmware Files window will open.
6. Select the appropriate firmware file and click Next. The unit will upgrade and reboot.

The upgrade should take approximately 2 minutes.

Multiple units can also be upgraded in parallel by using the Upgrade Firmware button on the **Units – All** screen in DTX-CTRL.

Procedure 2 - Serial port upgrade of the Receivers

1. Power up the Receiver and Transmitter and make sure there is a connection between them.
2. Connect the Receiver via a null modem cable to a PC running HyperTerminal or equivalent. Configure the HyperTerminal session for 57600 bits per second, 8 data bits, no parity, 1 stop bit and no flow control.
3. From the first screen on the console, select option 1 to access the Receiver menu. If the password option is enabled, you will be prompted for a password.
4. From the Receiver menu select option 3, "*Firmware Management*".
5. Choose *Transmitter Flash Upgrade Via XMODEM*.
6. Specify the location of the upgrade file *RX1000_XXXX.dld* and initiate the file transfer. The upgrade should be completed in approximately 20 minutes.

Procedure 3 - Upgrade using HTTP

1. Power up the Receiver and Transmitter and make sure there is a connection between them.
2. Connect the Receiver via a null modem cable to a PC running HyperTerminal or equivalent. Configure the HyperTerminal session for 57600 bits per second, 8 data bits, no parity, 1 stop bit and no flow control.
3. Choose option 1 on the *Main Menu* to access the *Receiver menu*. If the password option is enabled, you will be prompted for a password.
4. From the *Receiver menu* select option 3 "*Firmware Management*".
5. Choose *Transmitter Flash Upgrade Via HTTP*. You will be prompted to enter the URL for the upgrade file.
6. Enter the URL for the upgrade file using the following syntax:

http://<server IP address>[:server port]/<upgrade file path>

For example:

http://192.168.0.1:8080/RX1000_XXXX.dld

Note: If the server is set up on standard port 80, the port information can be omitted.

The upgrade should take approximately 4 minutes.

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Enhancements
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1. vUSB configuration – Wacom by default allocated to vUSB and “menu” enhancements to make it easier to program a device (select from a menu of attached devices)
2. Wacom tablet enhanced speed performance – particularly noticeable on dual-head Cypress configurations with both heads running video.
3. DDC speed increase on DIP which fixes issues seen where some graphic cards “time-out” leading to no-video on DVI sources – removes need for DVI Detective
4. Speed increase on std “mouse” by ~2ms to 8ms (depends on type of traffic – up to 8ms on non-video screens and 2ms on screens with full motion video)
5. Lossless compression mode – can be set on serial port

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Fixes
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6. “Pop-up warning” screen bug when non-Vesa std 1920x1200 or 1920x1080 video passed has been fixed

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Notes
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Known Issues
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