

LongView® IP Dual-Head (DH) Extender Transmitter (LVIPDH-T)
Firmware Revision 3.3.0.4
Release Notes
July 30th 2009

This document outlines:

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

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LVIPDH-T System Firmware Version and Compatibility
Version 3.3.0.4

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Version 3.3.0.4 of LongView IP DH extender system firmware is intended to be used in a system with the following LongView IP DH extender system-component revisions:

- LVIPDH-T Revision 3.3.0.4
 - LongView IP DH Extender Receiver (LVIPDH-R) Revision 3.3.0.4
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Important Installation Notes

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When upgrading directly, it is important to upgrade transmitters before upgrading receivers when using the serial or HTTP upgrade procedures. It is recommended to upgrade all units on the LongView IP DH extender system to 3.3.0.4.

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How to Update Firmware

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The transmitter can be upgraded using a serial or http upgrade procedure, as described below.

Procedure 1 - Serial port upgrade of the transmitters

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 2 to access the Transmitter menu. If the password option is enabled, you will be prompted for a password ("password" is the default).
4. From the Transmitter menu select option 3, "*Firmware Management*".
5. Confirm that transmitter has upgraded correctly by checking the "appliance information" on the console menu.
6. Choose *Transmitter Flash Upgrade Via XMODEM*.
7. Specify the location of the upgrade file *TX1000_XXXX.dld* and initiate the file transfer. The upgrade should be completed in approximately 35 minutes.
8. After 15 minutes, the "connection to transmitter lost" message will appear on the serial session. It is important to NOT unplug the transmitter power as the upgrade is still running. Leave unit powered 5 more minutes.
9. Connect again via the serial menu to the TX and confirm the new revision.

Procedure 2 - 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 2 on the Main Menu to access the Transmitter menu. If the password option is enabled, you will be prompted for a password.
4. From the Transmitter 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/TX1000_XXXX.dld

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

The upgrade should take approximately 5 minutes.

7. Wait 5 minutes after you receive the "connection to transmitter lost" message.
8. Confirm the new revision is displayed on the serial console of the transmitter.

Enhancements

1. Added the resolutions 1920 X1080 @ 60hz (1080p), 1680X1050 @60hz & 1920X1154 @60hz
 2. Removed hardware reset when partner IP address changed via user station serial port
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Fixes

1. Wacom speed improvement
 2. vUSB fix for Nixdorf Printers
 3. vUSB support for serial to USB converters
 4. vUSB will automatically use Wacom device if found. No need to program VID/PID
 5. Improvement in DDC speed to enable better support for high end video cards
 6. 1152 X900 @60 and 1920X1200 VGA problems fixed
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Notes

1. After switching to a computer, the vMedia is only connected to the computer after a hot-plug of the vMedia device or if the user selects auto-connection on the OSD or manually connects via OSD.
2. vMedia devices only appear on the target computer when they are connected to a receiver; this was not the case in previous revisions where the transmitter appeared as a vMedia device.
3. vUSB and mass-storage devices are enumerated on the target computer. This enumeration time is O/S dependent. Typically it is 5-10 seconds but can be 15-20 seconds for Windows Vista® O/S for some peripherals.
4. It is strongly recommend Windows® Vista SP1 is applied and used as it resolves many USB related issues in Vista.
5. It is strongly recommend Windows® XP SP3 is applied and used as it resolves many USB related issues in XP(enumeration speed, etc.).