

**LongView® IP KVM Extender Receiver (LVIP-R)**  
**Firmware Revision 3.3.0.4**  
**Release Notes**  
**July 30<sup>th</sup> 2009**

This document outlines:

1. LongView IP Extender System Firmware Version and Compatibility
2. Important Installation Notes
3. How to Update Firmware
4. Enhancements
5. Fixes
6. Notes

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**LongView IP Extender System Firmware Version and Compatibility**  
**Version 3.3.0.4**

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

- LongView IP KVM extender transmitter (LVIP-T) revision 3.3.0.4
  - LongView IP KVM extender receiver (LVIP-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 extender system to 3.3.0.4.

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**How to Update Firmware**

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The receiver can 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 the Network Speed on both the transmitter and receiver to Auto-Negotiate.

**Procedure 1 - 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 *Receiver Flash Upgrade Via XMODEM*.
6. You will begin seeing the letter C going across the screen. In HyperTerminal, go to the Transfer pull-down menu and choose *Send file*.
7. In the Filename field, specify the location of the upgrade file *RX0000\_XXXX.dld*. In the Protocol pull-down menu, select *Xmodem*. Click the *Send* button to initiate the file transfer. The upgrade should be completed in approximately 20 minutes.
8. Check the serial menu for the correct code revision under appliance information.

**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 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

Receiver 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. V-USB for all non isochronous devices and option to upgrade to 3.3.1.0 for V-media support
  2. Added Network interface to allow control of the LongView IP user station partner address and other parameters
  3. Removed hardware reset when partner IP address changed via user station serial port
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### Fixes

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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
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### Notes

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1. After switching to a computer, the vMedia is only connected to the computer after a hot-plug of the vMedia device or if a 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 recommended that Windows® Vista SP1 is applied and used as it resolves many USB related issues in Vista.
5. It is strongly recommended that Windows® XP SP3 is applied and used as it resolves many USB related issues in XP (enumeration speed, etc.).