



# XD600 Series v1.13 Release Note

Adder Technology Limited

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Revision History:  
1.0 – Initial release

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## Release Note: XD600 series v1.13

### **Scope**

The ADDERLink XD600 is a series of high performance KVMA (Keyboard, Video, Mouse and Audio) extenders that is designed to provide reliable and real-time access to critical computers – regardless of the location, whilst maintaining the same user desktop experience.

### **Purpose of 1.13 release**

The purpose of this release is to fix issues and add the following features (relative to v1.10):

- 5K resolution support (XD641/642)
- Video Loss Indication
- Audio routing (DP, USB to Analogue)
- 10G Cu/RJ45 SFP support (where Hardware allows)
- Customer-specific USB device compatibility

### **Parts affected**

XD642R-DP-IEC  
XD642T-DP-IEC

XD641R-DP-IEC  
XD641T-DP-IEC

XD614R-DP-IEC  
XD614T-DP-IEC

XD612R-DP-IEC  
XD612T-DP-IEC

### *Previous version(s)*

XD612 – v1.11  
XD614 – v1.10  
XD641 – v1.10  
XD642 – v1.12

### *Package contents*

<b>Part No</b>	<b>Detailed name</b>
XD612-DP	XD612-DP_V1.13_ADDER.zip <ul style="list-style-type: none"><li>• upgrade.bin</li></ul>
XD614-DP	XD614-DP_V1.13_ADDER.zip <ul style="list-style-type: none"><li>• upgrade.bin</li></ul>
XD641-DP	XD641-DP_V1.13_ADDER.zip <ul style="list-style-type: none"><li>• upgrade.bin</li></ul>
XD642-DP	XD642-DP_V1.13_ADDER.zip <ul style="list-style-type: none"><li>• upgrade.bin</li></ul>

### *Issues resolved in this release*

<b>Issue</b>	<b>Summary</b>
AS-565	Keyboard issues in the BIOS with XD642
AS-542	Upgrade hangs at 99%
AS-532	Hot keys are passed through to the host O/S
AS-531	XD642 DP link oversubscribed when using Dual 4K, 3840x2160@46 on second head
AS-527	4K DCI monitor resets Rx when switched to DP1.1 mode - video does not return
AS-525	Upgrade could fail if video streams changed
AS-509	OSD is not in a consistent position
AS-508	OSD may close unexpectedly
AS-507	Video loss indication sometimes causes a red screen
AS-506	EDID preferred timing may be incorrect
AS-502	Reports an error when using a copper SFP on unsupported hardware
AS-501	Power LED changes state too quickly
AS-500	Audio goes into a sleep mode
AS-497	Some HID devices do not provide input report data. Polling these may not work correctly.
AS-496	Warnings and errors will be raised and displayed on the OSD, then close after 10 secs.
AS-493	Allow forced upgrades of external Flash devices
AS-490	Update video freeze OSD indication
AS-484	EDID Display ID data blocks not processed correctly
AS-483	DisplayPort audio to analogue mapping
AS-463	Video freeze detect feature
AS-450	Loss of video when rebooting Tx or disconnecting displays from Rx
AS-446	Limit EDID to reported DP receiver capabilities
AS-429	Dell P2418HT Touch screen is intermittent.
AS-428	Add support for virtual USB device drivers
AS-427	Connection Link improvements
AS-426	Improve USB memory management
AS-413	Audio input can cause Rx to lock up
AS-409	WACOM DTH2420 - USB Lost on RX power cycle
AS-375	OSD is corrupted at 640x480@60Hz
AS-373	Support 10G copper SFP

### Known issues

Issue	Summary	Notes
AS-544	Mac function/media keys map incorrectly	Expected behaviour
AS-498	Hotplugging LG 4K monitor breaks EDID	Workaround – reboot TX
AS-453	USB device enumeration speeds - as expected but slow compared to direct to PC	Expected of USB Full-Speed limitation
AS-452	XD612 performance of copy speeds - as expected but slow compared to direct to PC	Expected of USB Full-Speed limitation
AS-550	Ubuntu Nouveau display driver unreliable with MST	Nvidia proprietary drivers should be used on Ubuntu/Linux with XD612 and XD614
AS-539	RX intermittently fails to display one head after reset (~1/10)	Workaround – reboot RX
AS-519	Unable to support 4k60p and 1080p behind MST hub	MST hub issue (Delock DP1.4 Splitter)
AS-552	Video and USB not restoring after Win11 reboot	< 1 in 200 Workaround – reboot RX
AS-547	Video flickering at 59Hz with MST	Workaround – force 60Hz refresh rate on host
AS-536	Infrequent USB dropouts with Win11	~1 in 100 Workaround – reboot TX
AS-504	Not working properly with 4x 4K montiors	Issue with MST and OS/Hub Use one of our recommended MST Hubs

## ***Customer Upgrade Instructions***

1. Obtain the appropriate upgrade file for the model you wish to upgrade.
2. Copy the upgrade.bin file to top level of a FAT32 formatted USB stick.
3. Ensure RX & TX are linked together (by copper or fibre network cable), powered on & LINK LED is showing green.
4. Press and hold reset button on RX until the Status LED flashes blue/red.
5. Release the reset button and wait for the link to re-establish Video, USB and Audio will reconnect.
6. Insert USB stick into the left most USB socket on the front panel on the RX. XD642 Only: The front right USB port cannot be used to apply upgrades, as this is for transparent USB.
7. Press the Ctrl key 3 times on the keyboard to display the OSD.
8. The status (STS) LEDs on BOTH the RX and TX should flash red/green whilst the upgrade is taking place. A progress indication is also displayed on the OSD.
9. After approx. 8 mins the transmitter and receiver should reboot and LEDs show green, indicating a successful upgrade. The video screen output may flicker on/off during the reboot process – this is due to Windows and will settle to redisplay the video output after approx. 1 minute.