XD642-DP v1.12

Release Note

Adder Technology Limited

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Date 05th Jul 2023

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XD642-DP v1.12 release note

Scope

The XD642-DP is a dual head 4K variant of the XD600 extender range. It provides:

• Dual head DP at 4K/60
• High quality analog and digital audio (DisplayPort and USB)
• CATx cable (up to 100M) or optical fibre
• Transparent USB 2.0: High Speed
• USB audio through the Transparent port

Note that once upgraded from 1.10, the XD642 cannot be downgraded to an earlier firmware version

Previous version

This Release Note details the changes since the previous version: 1.10.

Purpose of release

The purpose of this release is for maintenance on minor bugs and add the following features:

5K resolution support
Video Loss Indication
Audio routing (DP, USB to Analogue)

Parts affected

XD642P-DP

Previous version

This Release Note details the changes since the previous version 1.10

Files

Customer Firmware

Part No	Detailed name
XD642-DP	XD642_V1.12_ADDER.zip • upgrade.bin

Changes since last released version

	Summary
AS-543	Support PTH-660 touchpad
AS-527	Improved 4K DCI DP1.1 mode - video
AS-508	Improved OSD stability
AS-501	Power LED changes too quicky on start up
AS-496	Automatically show OSD on warnings and errors
AS-483	DisplayPort audio to analogue mapping
AS-463	Notify the User visually when video signal is lost
AS-450	Improved video behavior when rebooting Tx or disconnecting displays from Rx
AS-429	Support Dell P2418HT Touch screen
AS-375	Support OSD at 640x480@60Hz
AS-297	Improvements to Transparent USB

Summary of testing

All tests passed, except where highlighted in the Known Issues section.

Known issues.

Issue key	Summary	Impact
AS-544	Mac function/media keys has a different function	User will see: a) When the volume keys are connected directly to the Mac system, the volume setting opened as expected. However, when the volume keys are connected to the RX , the volume setting did not open. b) When connected directly to the Mac system, the F11 key was used to minimize all open tabs. When connected to the RX, the F11 key had a different function.
AS-453	USB device enumeration speeds - as expected but slow compared to direct to PC	USB devices connected to the RX will take longer time to be shown on the PC compared when are direct connected to the PC.
AS-540	Disconnecting USB drive whilst data is being transferred can cause Rx crash	User should not disconnect/remove the USB drive from the RX while transferring data
AS-539	Occasionally when unit is reset the RX could not display one video head after.	User need reboot RX
AS-491	Video display issue when using a DP to HDMI adapter	Some video adapters may not be compatible.
AS-235	Small amount of analog audio buzz speakers	User will hear slight background buzz on analog audio output at maximum volume when there is no sound being transmitted.
AS-409	WACOM DTH2420 -USB lost on RX power cycle	User has to power cycle the TX to get USB to resume

Customer upgrade install instructions

1. Obtain upgrade file.
2. Copy upgrade.bin 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 leftmost USB socket on the front panel on the RX. 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.