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EDIUS®

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**Third Party Video Hardware
Setup Instruction
December 2022**

www.grassvalley.com

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Tested third party video hardware

Tested video hardware & Required drivers

Tested third party video hardware depends on EDIUS version. When using specific EDIUS build or upgrading the build, you may be also required replacing the hardware driver. See below matrix to download proper build of the hardware driver

EDIUS X

AJA				
Hardware	Driver version	Required EDIUS build	I/O capability	Desc.
KONA 1	v15.5.3	Any build of EDIUS X	Capture & Payout	Following functions are restricted: – RS-422 remote control – Stereoscopic video preview – Ancillary data thru out – K3G-Box for KONA 3G is not supported – KLHi-Box for KONA LHi is not supported – Timecode handling on both capture and payout in SD format
KONA 3G			Payout	
KONA 4			Capture & Payout	
KONA Lhi			Payout	
Io4K				
Io4K Plus				
T-Tap Pro	v16.1.0	10.30.8244 or later	Payout	
Io X3 *2	v16.2	10.33.9356 or later		
Black Magic Design				
Hardware	Driver version	Required EDIUS build	I/O capability	Desc.
DeckLink 4K Extreme 12G	v11.6	Any build of EDIUS X	Payout	Following functions are restricted: – RS-422 remote control – Stereoscopic video preview – Ancillary data thru out (only Intensity Pro 4K) – Ancillary data thru out in 4K DCI or QFHD video (all models)
DeckLink 8K Pro				
DeckLink Mini Monitor 4K				
DeckLink SDI 4K				
DeckLink Studio 4K				
Intensity Pro 4K				
UltraStudio 4K Mini				

EDIUS 9

AJA				
Hardware	Driver version	Required EDIUS build	I/O capability	Desc.

KONA 1	v15.5.3	9.51.5532 or later	Capture & Payout	Following functions are restricted: – RS-422 remote control – Stereoscopic video preview – Ancillary data thru out – K3G-Box for KONA 3G is not supported – KLHi-Box for KONA LHi is not supported – Displaying current timecode in capture dialog – Timecode handling on both capture and payout in SD format
KONA 5				
KONA 3G	v13.0.2	9.50.5351 or earlier	Payout	
KONA 4	v15.2.3	9.51.5532 or later	Capture & Payout	
Io4K	v13.0.2	Between 9.30.3920 and 9.50.5351	Payout	
	v15.2.3	9.51.5532 or later		
Io4K Plus	v15.0.1	9.40.xxxx		
	v15.2.3	9.51.5532 or later		
Black Magic Design				
Hardware	Driver version	Required EDIUS build	I/O capability	Desc.
DeckLink 4K Extreme 12G	v10.9.5	Any build of EDIUS 9	Payout	Following functions are restricted:
DeckLink 8K Pro				– RS-422 remote control
DeckLink Mini Monitor 4K				– Stereoscopic video preview
DeckLink SDI 4K				– Ancillary data thru out in any format (only Intensity Pro 4K)
DeckLink Studio 4K				– Ancillary data thru out in 4K DCI or QFHD video (all models)
Matrox				
Hardware	Driver version	Required EDIUS build	I/O capability	Desc.
MXO2	v8.0.0.15342		Payout	Following functions are restricted:
MXO2 LE				– RS-422 remote control
MXO2 LE Mini				– Stereoscopic video preview
MXO2 Rack				– Ancillary data thru out
Mojito MAX				– Timecode output – MAX H.264 Hardware Encoder

Video format

Format	EDIUS Edition	
	Pro	Workgroup
Supported frame rate on UHD video	Up to 30p	Up to 60p
8K video output	N/A	
Supported resolution, frame rate and scan type	4K DCI: 24p, 23.98p QFHD: 59.94p, 50p, 29.97p, 25p 1920 x 1080: 59.94i, 50i, 29.97p, 25p, 23.98p 1280 x 720: 59.94p, 50p 720 x 576: 50i 720 x 486: 59.94i	

Usable OS

Usable OS depends on the video hardware driver:

Hardware driver version	Supported OS
AJA Software Installer v15.5.3	Windows 10
AJA Software Installer v16.1.0	
AJA Software Installer v16.2	Windows 11 / 10
Blackmagic Design Desktop Video v11.6	Windows 10

IMPORTANT NOTE:

Keep the compatibility matrix between EDIUS and tested video hardware. You cannot use other version of the driver to use the video hardware with EDIUS X in Windows 11

Setup video hardware

Installation order

The video hardware driver and EDIUS must be installed in below order

1. Install video hardware driver
2. Install EDIUS

If the EDIUS has already been installed, remove it then install both driver and EDIUS in required order

Prerequisite

Installed video hardware should work correctly. Ensure that the hardware correctly works by using the tool provided by the hardware maker.

Configure the video hardware

Before using the video hardware in EDIUS, configure required settings. It depends on installed hardware:

AJA

- 1) Quit EDIUS if running
- 2) Select **Start > AJA > AJA Control Panel**
- 3) AJA Control Panel will appear. Select **Firmware**
- 4) Ensure below things:
 - Working mode matches to the format that you want to use
 - Installed firmware date (**MM/DD/YY**) matches to Desired firmware
- 5) If both are satisfied, close AJA Control Panel
- 6) If either one (or both) mismatch, select desired mode from the list then click [Install]



- 7) Flashing the firmware will proceed. Do NOT quit AJA Control Panel and turn off the workstation
- 8) Once flashing firmware succeeds, click [Shutdown] to turn off the workstation

IMPORTANT NOTE:

If you click [Cancel] button, shutdown then restart the workstation manually. AJA hardware will not work by programmed firmware until shutdown then restarting the workstation

- 9) Go to **Configure EDIUS settings**

Blackmagic Design

- 1) Quit EDIUS if running
- 2) Open Blackmagic Design Control Panel from Windows Control Panel
- 3) Blackmagic Design Control Panel will appear. Select audio output channel combination for analog and AES / EBU digital audio
- 4) Click [Apply] then [OK]
- 5) Go to **Configure EDIUS settings**

Matrox (Only EDIUS 9)

No step required. Go to **Configure EDIUS settings**

Configure EDIUS settings

Once required configuration has been done, configure EDIUS System Settings:

- 1) Select **Settings > System Settings > Hardware > Preview Device**
- 2) Tick installed video hardware
- 3) Click [Apply] then [OK]

To capture a video by using the video hardware, create capture device preset – [here](#) is more details