



Grass Valley

T2 4K Series

DIGITAL RECORDER / PLAYER

Version 3.5.2.3137

Release Notes

September 2025

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Applicability

This build of T2 4K applies to the following products:

- T2 4K Elite, Pro, Express (A)
- T2 4K Elite, Pro, Express
- T2 4K Elite, Pro, Express Plus
- T2 4K Elite, Pro, Express with 12G I/O card

New Features

This update provides below new features:

- Displaying value of playback speed in unified format in the UI.
- Support up to 16ch audio I/O with SDI / NDI.
- Improved playback start delay during timecode chase.
- Support filtering a log by importance.

Update History

This update fixes / improves the following issues:

- If playlist contains different resolution footages, fade applied footage may corrupt.
- If the imported video does not comply with the video standard, it may be played with unintended stretching.
- During player load via AMP or GUI, occurrence of unintended unload confirmation causes incorrect load state.
- A noise appears at the top or bottom of footage if 720x480 resolution clip is loaded to player.
- If multi-channel recording is running under system high load, the LTC recorded on each channel may be different.
- Loop end-action unintended includes first frame of next events if odd-length events on 50/59.94/60p playback.

APPENDIX

Supported function in multiple channel video recording

Supported function depends on recording channel. Several functions are only supported in R1 channel.

Function	3 in 0 out		
	2 in 1 out		R3
	R1	R2	
Supported codec for recording	Grass Valley HQX AVI or MXF *Other format is not supported		
VTR mode	Yes	No	No
Schedule recording	Yes	No	No
E to E	Yes	No	-
Automatic loading growing clip to playout channel	Yes	No	-
Automatic loading sub-clip to playout channel	Yes	No	-

AMP channel mapping

T2 supports AMP remote command for all channels. To know AMP channel mapping, see below matrix.

AMP channel	T2 channel
vtr_r1	R1
vtr_r2	R2
vtr_r3	R3
vtr_p1	P1
vtr_p2	P2
vtr_p3	P3

Video monitor output (HD / SD mode)

You can assign monitor output in I/O mode settings:

- T2 4K series: Any channel can be assigned to the monitor output
- T2 4K Plus series: Below are assignable matrix

2 in 1 out mode

SDI port#	Type	Channel	Assignable channel
SDI1	Recorder	R1	-
SDI2	Recorder	R2	-
SDI3	Monitor Output	-	R1, P1
SDI4	Monitor Output	-	R1, P1
SDI5	Player	P1	-

SDI6	Monitor Output	-	R1, R2, P1
SDI7	Reserved	-	-
SDI8	Reserved	-	-

3 in 0 out mode

SDI port#	Type	Channel	Assignable channel
SDI1	Recorder	R1	-
SDI2	Recorder	R2	-
SDI3	Recorder	R3	-
SDI4	Reserved	-	-
SDI5	Monitor Output	-	R1
SDI6	Monitor Output	-	R1 or R2
SDI7	Monitor Output	-	R1 or R3
SDI8	Reserved	-	-

Assignable I/O channel for NDI

Assignable channel depends on selected format

Format	Assignable channel	NOTE
UHD	Either Input or Output	Fill / Key mode cannot be used
HD / SD	1x Input 1x Output	T2 allows simultaneously use of both channels
	2x Output	In should be turned off in IP mode settings

Notes on using VDCP

Consider below points when using VDCP:

1. T2 starts (including restarting) in connectionless mode. After starting (restarting) the T2 or connecting a controller, follow below steps:
 - 1) Run Open command with the port number (input or output) to open the player or recorder from the terminal.
 - 2) Run Select Port command by using opened port number to select player or recorder.
 - 3) Remote control selected channel.
 - 4) Close the port by running Close Port command by using opened port number.
2. Delay of the transport command (Play, Stop or etc.) from sending to execution may be vary.
3. Below category of command are not supported
 - DEFERRED (TIMELINE) COMMAND
 - MACRO COMMAND
 - ARCHIVE COMMAND

XAVC / AVC Ultra files on multiple channel playback

Multiple channel playback (up to three channels) supports below formats :

XAVC HD Intra series

Codec	Container	Resolution	Frame rate / scan type	NOTE
XAVC HD Intra Class 100	MXF	1920 x 1080	59.94i, 50i, 29.97p, 25p, 23.98p	Only allows 1 Channel playback for 59.94p and 50p
		1280 x 720	59.94p, 50p	-
XAVC HD Intra Class 50		1440 x 1080	59.94i, 50i, 29.97p, 25p, 23.98p	-

XAVC HD LongG series

Codec	Container	Resolution	Frame rate / scan type	NOTE
XAVC HD Long 50	MXF	1920 x 1080	59.94i, 50i, 29.97p, 25p, 23.98p	-
		1280 x 720	59.94p, 50p	-
XAVC HD Long 35		1920 x 1080	59.94i, 50i, 29.97p, 25p, 23.98p	-
XAVC HD Long 25		1920 x 1080	59.94i, 50i	-

AVC Intra series

Codec	Container	Resolution	Frame rate / scan type	NOTE
AVC Intra 200	MXF	1920 x 1080	59.94i, 50i, 29.97p, 25p, 23.98p	Only allows 1 Channel playback for 59.94p and 50p
		1280 x 720	59.94p, 50p	-

AVC Untra series

Codec	Container	Resolution	Frame rate / scan type	NOTE
AVC LongG 50	MXF	1920 x 1080	59.94i, 50i, 29.97p, 25p, 23.98p	-
		1280 x 720	59.94p, 50p	-
AVC LongG 25		1920 x 1080	59.94i, 50i, 29.97p, 25p, 23.98p	Only allows 1 Channel playback for 59.94p and 50p
		1280 x 720	59.94p, 50p	-
AVC LongG 12		1920 x 1080	59.94i, 50i	-
		1280 x 720	59.94p, 50p	-
AVC LongG 6		1920 x 1080	59.94i, 50i	-
		1280 x 720	59.94p, 50p	-