

OEM B150 Release Notes

v5.9.1 - 28th July 2025

network	<ul style="list-style-type: none">• VLAN support
talkback	<ul style="list-style-type: none">• Advanced group numbering corrected
video	<ul style="list-style-type: none">• HEVC decode lockup fix

v5.6.0 - 9th June 2025

gps	<ul style="list-style-type: none">• Parser taking significant CPU with some return data content
mash	<ul style="list-style-type: none">• Diagnostic files sometimes missing information due to timeout• MASH modules API now only reports active/relevant modules
metadata	<ul style="list-style-type: none">• Parsing includes camera recording state
network	<ul style="list-style-type: none">• Single gateway configuration deprecated, now always multiple gateway mode• Gateways not being reported correctly in some conditions• Unwanted broadcast traffic on network interfaces
psi	<ul style="list-style-type: none">• Demux available service list can contain duplicates in some conditions
remux	<ul style="list-style-type: none">• 2 input transport stream remux

serial	<ul style="list-style-type: none"> • IP serial GPS input not functioning
streaming	<ul style="list-style-type: none"> • Packets not matching protocol discarded with error counter • Input can break when swapping between UDP/RTP • SRT stream ID configuration • Compressed recording and playback format • Streaming capacity status unstable • Streaming bitrate reflects protocol overheads • Streaming capacity shown without licence • Occasional RTP sequence count discontinuity on stream output
talkback	<ul style="list-style-type: none"> • DTC Mesh talkback could crash on boot and not recover
unit	<ul style="list-style-type: none"> • Status requests consistently slow
video	<ul style="list-style-type: none"> • Reset command
wireguard	<ul style="list-style-type: none"> • Optional WireGuard support

v4.15.0 - 30th August 2024

unit	<ul style="list-style-type: none"> • H.264 decoder unit mode • Decoder unit mode which automatically swaps between H.264 and M50
video	<ul style="list-style-type: none"> • H.264 decoding support for legacy Domo HD encoders, 8-bit, 4:2:0 only

v4.14.0 - 6th August 2024

data	<ul style="list-style-type: none">• Support for decoding and outputting a second data channel
metadata	<ul style="list-style-type: none">• Metadata decoding from various DTC/DBS transmitter products
network	<ul style="list-style-type: none">• Devices don't appear in Node Finder with local only option selected• Single vs multiple gateway configuration• Interface specific gateway status, replacing global gateway status• Gateway status shows 0.0.0.0 for an interface currently down
serial	<ul style="list-style-type: none">• LoRa power output inverted vs configuration• Satel configuration retry on lack of packet reception
storage	<ul style="list-style-type: none">• Command for formatting USB storage
streaming	<ul style="list-style-type: none">• Streaming capacity status• SRT version updated to v1.5.3• Streaming occasionally crashes on configuration change• Unicast streaming source addresses now ignored where appropriate• Multicast traffic routed across networks gets discarded with multiple interfaces• Increased UDP buffering for streaming reducing occasional loss at high rates

talkback	<ul style="list-style-type: none"> • DTC Mesh talkback support for units with USB interface
usb	<ul style="list-style-type: none"> • USB status reporting • USB CDC ethernet peripheral configuration
web	<ul style="list-style-type: none"> • Service source select added to home page widget • Conditional show/hide of mode dependent parameters to simplify web interface • REST API documentation available on web interface

v3.27.1 - 17th November 2023

ancillary	Output on SDI broken by specific packet content or specific size packets
network	Domo Node Finder configuration and password reset support and discovery with no allocated IP address
rest	API for event streams
storage	Temporary recording file systems accessible via web interface
streaming	Recording functionality and licence, playback functionality, to/from temporary file system or external disk
unit	Watchdog for crash recovery (enabled by uboot upgrade), bootloader firmware version status

video	Fixed M50/PCIE crash primarily seen on boot, video latency mode status, automatic detection of latency mode with Eclipse TX v8.0.3.1 onward
web	Missing hover text on manage web interface pages

v3.22.0 - 29th August 2023

analog	AGC option for inputs
camera	Expanded options and protocol support
certificate	Upload own SSL/TLS certificate for web interface
genlock	PCR tracking never locked with IP inputs
gps	GPS parsing decoded data channel or serial input
network	Domo Node Finder discovery/configuration, BWS Device Finder improvements, DHCP lease not maintained after power cycle
rest	HTTPS not actioning all API requests with CORS
sdi	Sample format option for live switching single quadrant output
serial	TCP protocols, IP serial RX/TX statistics, GPS mode, LoRa/Satel radio integration improvements

streaming	Reduce jitter on packet handling, web page causing jitter and potential packet loss
tscrypt	BISS2 Mode CA provisional support
web	Caching reducing loading time and polled traffic, non-modal confirmation box

v3.11.0 - 21st March 2023

analog	Audio input source with gain and power control
audio	Audio decoder channel remapping to SDI outputs
camera	Project specific camera control functionality available
mash	Speed optimisation when applying config
rx	More downconverter presets
sdi	Duplication extended to support 4 SD/HD/3G outputs, improvements to SDI input reset and embedded audio output reliability
serial	Project specific CAN bus support and LoRa/Satel radio integrations, improved internal data transfer
streaming	Additional error counts on status, command for clearing error counts
tscrypt	BISS2 Mode 1 and E support
video	Fixed M50/PCIE crash primarily seen on boot, also applied Xilinx

	patch for potential PCIE read errors
web	Web interface loading more robust and various optimisations, SVGs not showing in Safari

v3.1.1 - 28th October 2022

mash	Internal events sometimes got lost, event diagnostic export
streaming	Error counters post redundant RTP recovery, fix differential status for UDP inputs

v3.0.0 - 14th October 2022

asi	Second issue causing intermittent ASI input lock on some hardware
mash	Config validation optimisation
rx	More downconverter presets
sdi	Audio on duplicated output fixed
serial	IP serial now has separate licence from IP streaming, Increased number of supported USB serial adapters

v2.2.0 - 1st September 2022

asi	Intermittent ASI input lock on some newer hardware, ASI output source no longer gets ASI input when output is disabled
sdi	Output conversion from 1080i to 1080p

serial	USB serial adapters can now be used for expanding serial functionality
video	4x asynchronous 1080i inputs in QuadSync mode, automatic detection of latency mode with Eclipse TX v6.3.6 onward

v2.0.0 - 5th August 2022

analog	Output channel selection
audio	Audio buffering, source and channel selection in QuadSync mode
genlock	Internal and external mode support in QuadSync mode
mash	Schema array defaults, improved status caching/timeouts
rest	Configuration and diagnostic export/input, JSON indent changed reducing file sizes, significantly reduced reply times
rx	Support for 5MHz bandwidth DVB-T, removed some redundant status
streaming	IP Redundancy licence for transmitting/receiving ST2022-7, path differential status
time	Synchronisation command
video	4x asynchronous 1080p inputs in QuadSync mode
web	Configuration and diagnostic export/input, improvements for

	touchscreens/tablets, further branding improvements
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v1.16.1 - 26th May 2022

rest	API added for exporting configuration and diagnostics
serial	Serial over IP connectivity
streaming	RTP input redundancy, low latency IP forwarders, multicast bug fixes
time	System time control and status reporting added

v1.13.0 - 14th April 2022

frontpanel	DBS re-branding, display name support, button press hold for repeating, no flicking and bug fixes
web	DBS re-branding

v1.11.0 - 17th March 2022

sdi	SDI pass-through and buffering progress for QuadSync unit mode, fixed issue with 720x480i59 output
serial	Device modes for managing other PCBs within a product integration
streaming	Input rate recovery with configurable de-jitter buffer delay and underflow error status
web	Minor CSS changes and bug fixes

v1.6.0 - 21st December 2021

genlock	Improvements to long term PCR tracking
web	More home page widgets, restore defaults and save all modules
serial	Additions to legacy serial protocol
sfp	Optomedia module support
streaming	SRT statistics, reorganisation on configuration and status structure

v1.5.0 - 9th December 2021

rest	Instance ID for detecting MASH changes or reboots
rx	Transport stream rate recovery
sdi	Single-link duplication option for extra 12G-SDI output
serial	Additions to legacy serial protocol
streaming	SRT passphrase, status information, routing bug fixes
web	Expanding SDI preview, connection warning, automated refresh on upgrade

v1.4.0 - 25th November 2021

rx	Automate diversity buffer size, optimisation
serial	Bug fixes for legacy serial protocol

streaming	UDP/RTP unicast and multicast stream input, SRT input and output
web	More home page widgets, bug fixes

v1.3.0 - 11th November 2021

genlock	Bug fixes related to buffer lock status
psi	Demux source selection
rx	Bug fixes
sdi	Fixed preview files not updating correctly, input status reporting
streaming	Stream source selection, increase in bitrate supported
unit	QuadSync® unit mode pre-release
web	More home page widgets, bug fixes

v1.2.0 - 28th October 2021

rest	Options for path and keyword filtering when getting schemas
sdi	JPEG previews for each interface, audio embedders on all outputs
serial	Updated MASH serial commands as per REST API
video	Fallback latency mode to normal mode rather than ultra low latency
web	More home page widgets, bug fixes

v1.1.0 - 14th October 2021


genlock	Fixed bug with PCR mode causing sporadic interruptions on SDI outputs
network	Useful network interface statistics
sdi	Fixed bug with 1080p to 1080i conversion in PCR genlock mode
serial	Bug fixes for legacy serial protocol
streaming	UDP/RTP unicast and multicast stream output, streaming licence required
video	Normal/low latency stream support

v1.0.0 - 1st October 2021

analog	Gain control added for analog audio interfaces
licence	Feature licences added, a valid licence file is required for decoder operation from v1.0.0
mash	Improved behaviour when correcting invalid saved configs
rest	Restore factory defaults which resets all modules and removes passwords, get module names
rx	Diversity algorithm improvements
sdi	Format conversions available on outputs from 1080p, to 1080psf or 1080i standards
serial	Additions and bug fixes for legacy serial protocol, updated MASH serial commands as per REST API

unit	Command added for reverting to previous firmware version
user	User account control added, command for setting admin password
video	Removed video latency option as this didn't do anything useful
web	Basic authentication support, more home page widgets, visual improvements

v0.21.0 - 4th November 2021

 Final beta release prior to requiring valid licence file