

Draco Tera / Extender - Firmware

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Firmware - Matrix

Date	Version		Modification
2021-12-17	MATXCPU	V4.01	New Features and Enhancements - Login Lock (selective user login on CON Units): certain users can be excluded to login at certain CON Units - Video Off: option to disable OSD 60 sec. after disconnecting the CON Unit to allow the monitor going into power saving mode - Show Disconnect: option to display a little info box "Disconnected", if no KVM connection is established - Primary Preferred: option to ensure always switching to the primary link upon being available (redundant setup only) Improvements - Adjustment of default minimum syslog level: "Notice" for the internal controller card logging "Warning" for both syslog server - Support of new extender series - Disabling of LAN echos during update process - Acceleration of extender registration process at the matrix Fixed Bugs - Logout of admin user after reboot of I/O board - Handling of USB-HID control on local input - Configuration of dual LAN interface (480-CTRL2 & Draco tera flex only) Important Update Notes - Pre-installed MATLOS versions 1.4 & 1.5 require a mandatory update to at least version 1.7. - Pre-installed matrix firmware version V03.04 cannot be directly updated to version V04.00 (or higher) and requires V03.08 as an intermediate update step - Firmware comes along with a change in the SNMP community string to kvm.
	MATXLCPU	V4.01	
	MATXIO8	V4.01	
	MATLIO8	V4.01	
	MATLPXP	V1.02	
	MATLOS	V1.10	
	MATXDVI	V1.15	
2022-01-28	MATXOSD	V3.50	Fixed Bugs Communication between Extender and IO board
2022-01-24	MATLOSD	V2.01	
2022-01-28	MATXVOSD	V4.05	
2022-01-25	MATLVOSD	V2.05	
2022-01-26	MATLVOSC	V2.02	

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2020-05-06	MATXOSD	V3.48	New Features and Enhancements
2020-11-10	MATLOSD	V2.00	• Support of fast update for 490 & 495 series
2020-02-18	MATXVOSD	V4.03	Improvements
2021-05-25	MATLVOSD	V2.03	• Increased serial communication speed
2020-11-20	MATLVOSC	V1.13	Fixed Bugs
2020-05-11	MATXOSL	V3.15	• Minor bug fixes
2019-04-30	MATXVOSL	V3.06	• Grid line communication
2018-06-26	MATLBDG	V1.00	• Connectivity to 3G XV Cat X extenders
2020-01-16	MATXLNK	V1.05	• Multi-Screen Control 2.0

Firmware - Extender - CON Units

Date	Version	Modification
2021-08-09	EXTCON V3.31	New Features and Enhancements:
2021-09-10	EXTICON V2.47	• Support of 100 Mbit/s L/R474-BXE2 module (from 481 series)
2020-05-12	EXTIPCON V1.01	
2020-09-10	EXTRCON V2.47	• Support of low latency option (49x series only)
2021-10-04	EXTHRCON V1.46	• Colored fix frame
2022-03-25	EXTHDCON V1.01	• Redundancy frame (some series only)
2021-09-29	EXTDLCON V4.33	• 144 Hz / 240 Hz frame rate support (490 series only)
2019-05-02	ECTDLCON V1.00	• Support of GPIO add-on modules
2021-03-30	EXTDPCON V2.23	• Disable redundancy (parameter DISRED)
2018-02-19	EXVDPCON V1.20	• Adjustable redundancy frame (width, duration, color)
2021-10-04	ECTHRCON V1.44	• Video codec 8 for 49x series
2021-03-30	ECTDPCON V2.18	Improvements:
2018-02-19	ECVDPCON V1.20	• Update process
2018-02-19	EXTVCON V3.20	• Embedded audio (HDMI & DisplayPort interface)
2018-08-02	EXTHVCON V1.09	• LOS timer for HDMI only board (EXTHVCON)
2018-05-07	EXVDLCON V1.21	• Update behavior
2020-10-26	EXTSCON V1.02	• USB 2.0 embedded 2 handling
2017-11-28	EZTDPCON V1.00	Fixed Bugs:
2022-03-11	ECTDHCON V1.10	• Support of RS422 add-on module
2021-02-24	ECVDHCON V1.00	• Link switching for redundancy
2018-11-15	FZVDLCON V2.03	• Analog audio
2018-11-27	FCVDLCON V2.00	• Dual-Head mode timing
2018-11-27	FCTDLCON V2.00	• OSD communication
2021-09-06	FZVDPCON V3.03	• EDID transmission
2020-10-22	FCVDPCON V3.03	• Parameter handling for 482 Dual-Head series
2021-02-05	FCTDPCON V3.02	• Ticket IHSE1-276
2021-02-09	FCTDHCON V3.01	• Digital audio fix for Esterline monitor (490 series)
2020-12-22	FCVDHCON V1.00	• Low Latency Mode (Parameter: ENALOLA)
2017-03-29	FMVDLCON V2.02	• OSD display when connected to Mac OS (495 series)
2017-03-29	FSVDLCON V2.02	• Parameter FRAMERATE for resolutions > 120 Hz (495 series)
2020-11-03	FXTDPCON V3.00	
2018-07-13	FZSDECON V1.01	• LED status (481 series)
2021-09-23	FZVHRCON V3.08	• Support of 5K monitors with parallel input
2018-06-11	FZTDLCON V2.30	
2020-11-03	FZTDPCON V3.00	
2021-09-29	FZVDECON V3.13	
2018-12-07	FZVOECON V2.00	
2018-12-11	FZXDECON V2.12	
2022-03-28	FZVDXCON V3.11	
2021-03-25	FZVMECON V3.03	
2021-05-06	FZVMXCON V0.01	
2021-11-02	FCTIPCON V1.00	

Date	Version	Modification
2019-06-13	ECTOPCON V1.01	
2018-09-06	FZVOPS21 V1.01	

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Firmware - Extender - CPU Units

Date	Version	Modification
2021-11-15	EXTCPU V3.34	New Features and Enhancements
2019-12-02	EXTICPU V1.51	• Reading out hardware ID
2019-11-28	EXTRCPU V2.26	• Video codec 8 for 49x series
2021-04-19	EXTHRCPU V1.28	Improvements
2021-09-29	EXTDLCPU V4.21	• Programming of EDID
2019-05-02	ECTDLCPU V1.00	• Embedded audio (HDMI & DisplayPort interface)
2021-03-30	EXTDPCPU V2.12	• Switching between digital audio add-on module and embedded audio
2018-02-19	EXVDPCPU V1.20	• USB 2.0 embedded 2 handling
2021-04-19	ECTHRCPU V1.27	Fixed Bugs
2022-03-11	EXTHDCPU V1.01	• Update CONVGPU (EXTIPCU only)
2021-03-30	ECTDPCPU V2.17	• Fiber transmission
2018-02-19	ECVDPCPU V1.20	• Video timing
2019-10-18	EXTVCPU V3.21	• Support of USB-HID add-on module
2019-10-28	EXTHVCPU V1.10	• Matrix communication
2018-02-19	EXVDLCPU V1.20	• Video mode detection
2016-08-02	EXVICPU V0.92	• Communication with grid I/O boards
2020-08-04	EXTSCPU V1.02	• Switching of 8-port VGA CPU switch
2016-07-25	EXTI8MOD V1.02	• Parameter handling for 482 Dual-Head series
2019-08-02	EXVI8CPU V1.00	• BXE2 connection loss
2019-07-12	EXTIPCPU V1.05	• Updates
2021-02-25	ECTIDCPU V1.03	• Green stripe issue on right monitor boarder
2022-03-11	ECTDHCPU V1.07	• EXTSCPU: Support of EDID 1.4
2021-02-24	ECVDHCPU V1.00	• OSD stability using FCTICPU
2019-02-12	FCVDLCPU V2.01	• Deinterlacing SDI CPU
2021-03-23	FCVDPCPU V3.03	• Low latency mode (parameter: ENALOLA)
2019-02-12	FZVDLCPU V2.03	• Serial transmission on L/R47-BRx add-on module
2021-09-06	FZVDPCPU V3.02	
2021-07-23	FCTICPU V3.03	
2021-03-23	FCTDPCPU V3.01	
2021-01-27	FCTDHCPU V3.00	
2020-12-22	FCVDHCPU V1.00	
2020-09-09	FCTHRCPU V3.00	
2018-11-27	FCTDLCPU V2.00	
2021-10-04	FCVDECPU V3.06	
2019-02-06	FCXDECPU V1.01	
2021-03-23	FXTDPCPU V3.01	
2018-07-13	FZSDECPU V1.01	
2021-05-04	FZVHRCPU V3.04	
2021-10-13	FZVHPCPU V1.00	
2018-06-11	FZTDLCPU V2.30	
2021-03-23	FZTDPCPU V3.01	
2021-09-29	FZVDECPU V3.10	

Date	Version	Modification
2019-03-12	FZXDECPU V2.19	
2019-03-12	FZXDBCPU V2.02	
2022-03-28	FZVDXCPU V3.11	
2021-03-25	FZVMECPU V3.04	
2021-05-06	FZVMXCPU V0.01	
2019-12-13	FZVHRCPU V2.01	

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Firmware - Extender - MSD

Date	Version	Modification
2022-02-01	EXTMSD V2.56	New Features and Enhancements
2019-10-11	EZTMSD V2.00	• Updatability of MSD files via Tera Tool (EZx only)
2019-10-11	EXTIMSD V2.00	Improvements
2020-04-21	EXTDLMSD V2.01	• USB-HID reset
2017-11-21	EXTLMSD V1.02	• CPU detection for MST mode
2020-02-27	EXTDEMSD V2.01	Fixed Bugs
2019-10-11	EXTDZMSD V2.00	• EDID display
2020-02-25	EZTDEMSD V2.02	• Minor bug fixes
2020-04-21	EZTDLMSD V2.01	• Intel graphic control center display
2017-05-31	EXTMSD V2.42	New Features and Enhancements
2017-05-03	EXTIMSD V1.26	• New parameters (see CPU/CON firmware)
2017-04-11	EXTDLMSD V1.30	Improvements
2017-11-21	EXTLMSD V1.02	• USB-HID reset
		Fixed Bugs
		• Converter settings are preserved after update (EXTIMSD) • Minor bug fixes
2020-04-22	EXTMSD V2.51	New Features and Enhancements
2019-10-11	EXTIMSD V2.00	• New DISPLAY2 parameter selects second video channel of 482 Dual-Head CPU unit
2020-04-21	EXTDLMSD V2.01	• Deletion of Config.txt recovers factory settings
2020-12-11	EZTDLMSD V2.03	• Versioning of Config.txt file
2020-02-27	EXTDEMSD V2.01	Improvements
2020-10-02	EXTDZMSD V2.01	• Manual extender update from Windows 8 computers • Differentiation of EDIDs (482 series only)
		Fixed Bugs
		• Digital audio parameters for redundant CPUs • USB 1.1 support of USB 2.0 embedded upgrade modules • Various minor bug fixes

Firmware - HID

Date	Version		Modification
2021-10-13	HIDCPU	V4.03	Improvements • Adjustment of polling interval for intervals unequal to 8, 16 or 32 ms • Support of Adder iPeps+ • Support of Belkin Modular 2-Port KVM-Switch • Support of HSL Secure Switch (absolute mouse mode) Fixed Bugs • Multi-Screen Control 2.0 Information • End of X-Keys support as a special implementation for matrix macros and favorites
	HIDCON	V4.03	
	MATXHID	V4.03	

Firmware - Converter

Date	Version		Modification
2020-03-06	CONVGPU	V1.52	New Features and Enhancements • New customized video modes • Support of XV extenders • Support of EDID 1.4 Fixed Bugs • Update • Minor bug fixes
2016-07-14	CONVGPU	V1.40	New Features and Enhancements • New resolutions for SDI (1080p@24/25/30Hz) • EDID change via keyboard command (VGA vs. DVI) <Hotkey><V><G> (VGA) or <Hotkey><V><D> (DVI) Improvements • EDID transmission • Scaling Fixed Bugs • RAM timing • Saving of image settings • Minor bug fixes