

New Features in VMP V1.5.0

Controller Models Involved: MX6000 Pro, MX2000 Pro, CX40 Pro, MX40 Pro, MX30, MX20, KU20
Available RV Card Models Involved: XA50 Pro, A10s Pro, A5s Plus, A7s Plus, A8s, A8s-N, A10s Plus-N, X700-1, A8s Pro, UXN1
Discontinued RV Card Models: Only the A5s Plus-N supports partial functionality
Controller Firmware & VMP Version: V1.5.0

Description	Feature	Controller Support	RV Card Support	RV Card Model & Firmware Version	New NCP File Required?	Specific IC Model Required?	Specific Cabinet Design Required?	Cabinet Design Notes
Toolbar	A new view with video on top and cabinets underneath	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
Navigation	Art-Net support on card-based devices	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	VMP automatic update checking	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
Controller Identify	Customizable background color for Controller Identify	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
Device management on the left	Adding controllers via IP address	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	1. New screen group management; 2. New management items: preset switching, monitoring summaries, and removal of thermal compensation. For details, refer to the VMP User Manual.	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
Layout	Copying/Pasting configured cabinets (Ctrl+C/V supported)	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Manual topology connection	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Default coordinates at (0,0) for new canvas	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Automatic canvas capability adjustment (Capability = width × height × frame rate. If width or height decreases, the frame rate increases)	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
Source	Support for YUV 4:2:0 color space/sampling (For details, refer to the Specifications)	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Adding Static mode to the NMOS registry mode for the ST 2110 source. IP and port registration settings available only in Static mode.	Only MX6000 Pro/MX2000 Pro	The function is independent of the RV card.	N/A	No	No	No	N/A
	New MX 1×ST 2110 (100G) input card for card-based devices	Only MX6000 Pro/MX2000 Pro	The function is independent of the RV card.	N/A	No	No	No	N/A
	New MX 1×DP 1.4 (8K@60Hz) input card for card-based devices	Only MX6000 Pro/MX2000 Pro	The function is independent of the RV card.	N/A	No	No	No	N/A
Screen settings	SPDIF audio output (Related to the input source. For details, refer to the Specifications.)	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A

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Screen settings	Multi-Mode: Support mode switching when using different sizes of cabinets, as long as the receiving card model and multi-mode data (including receiving card parameters and mode list) are the same.	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Brightness limit (only upper limit in V1.5.0)	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
Calibration Coefficient Management	Batch upload of multiple calibration coefficient files	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Automatically selects the coefficient readback location (from the receiving card or module flash), eliminating the need for manual selection, with priority given to the module flash	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Coefficient type options for readback displayed based on the calibration type	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Saving coefficients to module flash requiring a license (license approved on website)	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	Yes	The cabinet needs to have the module flash design.
Backup	Checking if the backup forms a usable loop	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
Maintenance	Controller automatic update checking	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Formatting multiple controllers of the same model but different firmware versions to a unified version	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Selecting and uploading multiple NCP files	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	1. Topology view added to cabinet maintenance 2. "Location" field moved forward in the list 3. Clickable area for selecting cabinets enlarged	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Support for peripheral update (EMT200, EMT200 Pro, and multifunction cards)	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Factory reset for receiving cards (one-click reset)	All COEX Series Controllers	Some RV Cards - Standard Version Support	A10s Pro V 1.5.3.0 XA50 Pro V 1.5.3.0 A8sPro 1.3.010 or above	No	No	No	N/A
Output	5G controllers (card-based devices and CX40 Pro) now supports 3D solution	Only MX6000 Pro/MX2000 Pro/CX40 Pro	The function is independent of the RV card.	N/A	No	No	No	N/A
Schedule	Brightness adjustment for sunrise and sunset during standard and daylight saving time	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Local area network NTP time synchronization	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Diagnostic schedule	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A

Description	Feature	Controller Support	RV Card Support	RV Card Model & Firmware Version	New NCP File Required?	Specific IC Model Required?	Specific Cabinet Design Required?	Cabinet Design Notes
Offline mode	Creating on-site configuration with more than 20 devices (allowing 20 to run simultaneously, with the others remaining in sleep mode)	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Number of cabinets per Ethernet port increased from 32 to 512	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	A single Ethernet port supports the mixed use of different-sized cabinets (Same cabinet model required)	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Compatibility rules added for controllers and custom cabinets: 1G controller must be used with 1G receiving cards, and 5G controller requires 5G receiving cards. (Mixing of 1G and 5G components was allowed prior to V1.5.0)	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Confirmation pop-up added for device deletion	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	"Cancel" option added when right-clicking to close a project in offline mode	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
LCD	1. Add the central onontrol switch 2. Display the MAC address	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
7-color multi-batch adjustment	7-color multi-batch adjustment	All COEX Series Controllers	Some RV Cards - Standard Version Support	A10s Pro V 1.5.3.0 XA50 Pro V 1.5.3.0	Yes	No	No	N/A
RGBW brightness components	RGBW brightness components	All COEX Series Controllers	Some RV Cards - Standard Version Support	A10s Pro V 1.5.3.0 XA50 Pro V 1.5.3.0	Yes	No	No	N/A
Monitoring Items	Cabinet power supply status (Dual power supplies)	All COEX Series Controllers	All RV Cards - Standard Version Support	A10s Pro V 1.5.3.0 XA50 Pro V 1.5.3.0 A5s Plus_V4.9.7.0 A7s Plus_V4.9.1.0 A8s_V4.7.0.0 A8s-N_V4.9.2.0 A10sPlus-N_V4.8.1.0 X700-1_V4.8.0.0 A5sPlus-N V4.8.1.0 (Discontinued) A8s Pro_V1.3.1.0 UXN1 V1.2.0.0	No	No	Yes	Make sure the cabinet supports the relevant monitoring functionality.
	Cabinet temperature (HUB)	All COEX Series Controllers	All RV Cards - Custom Version Support	A10s Pro Custom Version XA50 Pro Custom Version A5s Plus Custom Version A7s Plus Custom Version A8s Custom Version A8s-N Custom Version A10sPlus-N Custom Version X700-1 Custom Version A8s Pro Custom Version UXN1 Custom Version	Yes	No	Yes	Make sure the cabinet supports the relevant monitoring functionality.

Description	Feature	Controller Support	RV Card Support	RV Card Model & Firmware Version	New NCP File Required?	Specific IC Model Required?	Specific Cabinet Design Required?	Cabinet Design Notes
Monitoring Items	Cabinet smoke (HUB)	All COEX Series Controllers	All RV Cards - Custom Version Support	A10s Pro Custom Version XA50 Pro Custom Version A5s Plus Custom Version A7s Plus Custom Version A8s Custom Version A8s-N Custom Version A10sPlus-N Custom Version X700-1 Custom Version A8s Pro Custom Version UXN1 Custom Version	Yes	No	Yes	Make sure the cabinet supports the relevant monitoring functionality.
	Cabinet humidity (HUB)	All COEX Series Controllers	All RV Cards - Custom Version Support	A10s Pro Custom Version XA50 Pro Custom Version A5s Plus Custom Version A7s Plus Custom Version A8s Custom Version A8s-N Custom Version A10sPlus-N Custom Version X700-1 Custom Version A8s Pro Custom Version UXN1 Custom Version	Yes	No	Yes	Make sure the cabinet supports the relevant monitoring functionality.
	Module voltage	All COEX Series Controllers	All RV Cards - Custom Version Support	A10s Pro Custom Version XA50 Pro Custom Version A5s Plus Custom Version A7s Plus Custom Version A8s Custom Version A8s-N Custom Version A10sPlus-N Custom Version X700-1 Custom Version A8s Pro Custom Version UXN1 Custom Version	Yes	No	Yes	Make sure the cabinet supports the relevant monitoring functionality.
	Module flat cable	All COEX Series Controllers	All RV Cards - Custom Version Support	A10s Pro Custom Version XA50 Pro Custom Version A5s Plus Custom Version A7s Plus Custom Version A8s Custom Version A8s-N Custom Version A10sPlus-N Custom Version X700-1 Custom Version A8s Pro Custom Version UXN1 Custom Version	Yes	No	Yes	Make sure the cabinet supports the relevant monitoring functionality.
	Module temperature	All COEX Series Controllers	All RV Cards - Custom Version Support	A10s Pro Custom Version XA50 Pro Custom Version A5s Plus Custom Version A7s Plus Custom Version A8s Custom Version A8s-N Custom Version A10sPlus-N Custom Version X700-1 Custom Version A8s Pro Custom Version UXN1 Custom Version	Yes	No	Yes	Make sure the cabinet supports the relevant monitoring functionality.

Description	Feature	Controller Support	RV Card Support	RV Card Model & Firmware Version	New NCP File Required?	Specific IC Model Required?	Specific Cabinet Design Required?	Cabinet Design Notes
Monitoring Items	Packet loss diagram	All COEX Series Controllers	All RV Cards - Standard Version Support	A10s Pro V 1.5.3.0 XA50 Pro V 1.5.3.0 A5s Plus_V4.9.7.0 A7s Plus_V4.9.1.0 A8s_V4.7.0.0 A8s-N_V4.9.2.0 A10sPlus-N_V4.8.1.0 X700-1_V4.8.0.0 A5sPlus-N V4.8.1.0 (Discontinued) A8s Pro_V1.3.1.0 UXN1 V1.2.0.0	No	No	No	N/A
Diagnostics	LED error detection (on module)	All COEX Series Controllers	All RV Cards - Custom Version Support	A10s Pro Custom Version XA50 Pro Custom Version A5s Plus Custom Version A7s Plus Custom Version A8s Custom Version A8s-N Custom Version A10sPlus-N Custom Version X700-1 Custom Version A8s Pro Custom Version UXN1 Custom Version	Yes	Yes	Yes	Make sure the cabinet supports the relevant monitoring functionality.
	Origin data comparison	All COEX Series Controllers	The function is independent of the RV card.	N/A	No	No	No	N/A
	Monitoring items (The monitoring items supported by the receiving card. See "Monitoring Items" above)	All COEX Series Controllers	All RV Cards - Custom Version Support	A10s Pro Custom Version XA50 Pro Custom Version A5s Plus Custom Version A7s Plus Custom Version A8s Custom Version A8s-N Custom Version A10sPlus-N Custom Version X700-1 Custom Version A8s Pro Custom Version UXN1 Custom Version	Yes	No	Yes	Make sure the cabinet supports the monitoring capabilities outlined in the above list.
	Receiving card signal interruption count	All COEX Series Controllers	Some RV Cards - Standard Version Support	A10s Pro V 1.5.3.0 XA50 Pro V 1.5.3.0 A7sPlus-V4.9.1.0 or above A8s-N-V4.9.2.0 or above A8s Pro_V1.3.1.0	Yes	No	No	N/A