

MX6000 Pro&MX2000 Pro LED Display Controller

V1.5.1



Release Notes

Contents

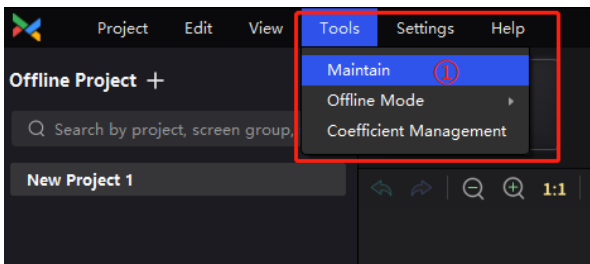
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1 Update Instructions

1.1 Update Strategy

To ensure compatibility, LED display controller V1.5.1 must be paired with VMP V1.5.1. MX6000 Pro and MX2000 Pro LED display controllers can be updated to V1.5.1 directly.

1.2 Operating Procedure



Note:

- It is recommended to perform the update using a wired network.
- All the devices of a screen must be updated at the same time.
- When updating MX6000 Pro or MX2000 Pro, all of the cards must be updated at the same time. If the cards span across different screens, the controllers that are under the same screen as the card must also be updated together.

1.3 Special Note

The COEX platform also includes VMP and receiving cards, which together constitute a complete system.

Certain new or optimized features require updating of both VMP and receiving card firmware.

The latest user manuals and firmware can be found at the following website:

<https://www.novastar.tech/downloads>

2 Version Introduction

2.1 Release Notes

Version V1.5.1 adds support for the 8×5G_Base-T output card, MVR output card, and Dynamic Booster for card-based controllers, along with other enhancements and bug fixes.

2.2 Compatible Product

Product	Model
Control Software	VMP
Receiving Card	A10s Pro and its derivative cards, CA50E, XA50 Pro, A8s Pro and its derivative cards, A8s and its derivative cards, A8s-N, A7s Plus, A5s Plus, B6s
Fiber Converter	CVT10, CVT10 Pro, CVT8-5G
Multifunction Card	MFN300
Brightness Sensor	NS060

3 New Daughter Cards

Card Type	Card Model
Output Card	MX_8×5G_Base-T output card
MVR Output Card	MX_1×HDMI 2.0+1×12G-SDI MVR output card

4 Optimization Details

Function	Description
Dynamic Booster	MX2000 Pro and MX6000 Pro now support the Dynamic Booster function.
Firmware Update	Optimize the firmware update process and improve the firmware package transmission method to avoid false positive interception by some antivirus software, ensuring stable and reliable updates.
EOTF Low-Grayscale Compensation Optimization	After optimization, 10-bit and 12-bit start glowing step by step at 33.3% at 100% brightness.

5 Bug Fixes

- Fixed the issue of incorrect readback of module topology from the calibration software in the setup of multiple receiving cards in one cabinet.
- Fixed the issue where NTP time synchronization occasionally fails to take effect.
- Fixed the issue where VMP could not discover the MX6000 Pro or MX2000 Pro device when no output card is installed.
- Fixed the issue of abnormal parameter synchronization for the ST 2110 card during device backup.

6 Known Issues

- After the backup controller is powered off, the monitoring interface may occasionally fail to refresh the controller's working status.
- Duplicate entries may appear in **Monitor > Alarm** when modifying the controller time backward.

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