



MX6000 Pro/MX2000 Pro

LED Display Controller

V1.4.0



Release Notes

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1 Upgrade Instructions

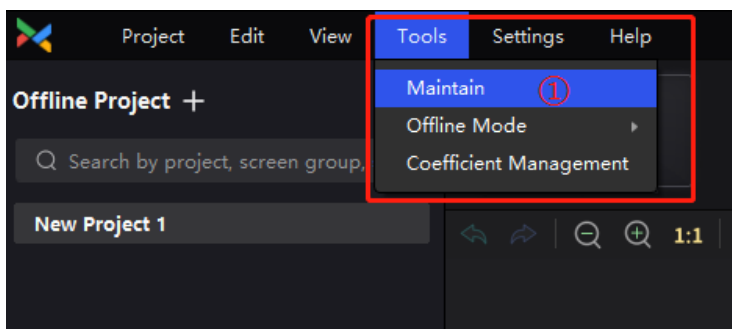
1.1 Upgrade Steps

To ensure compatibility, LED display controller V1.4.0 must be paired with VMP V1.4.0. Follow these steps to upgrade:

MX6000 Pro and MX2000 Pro LED display controllers can be upgraded to V1.4.0 directly.

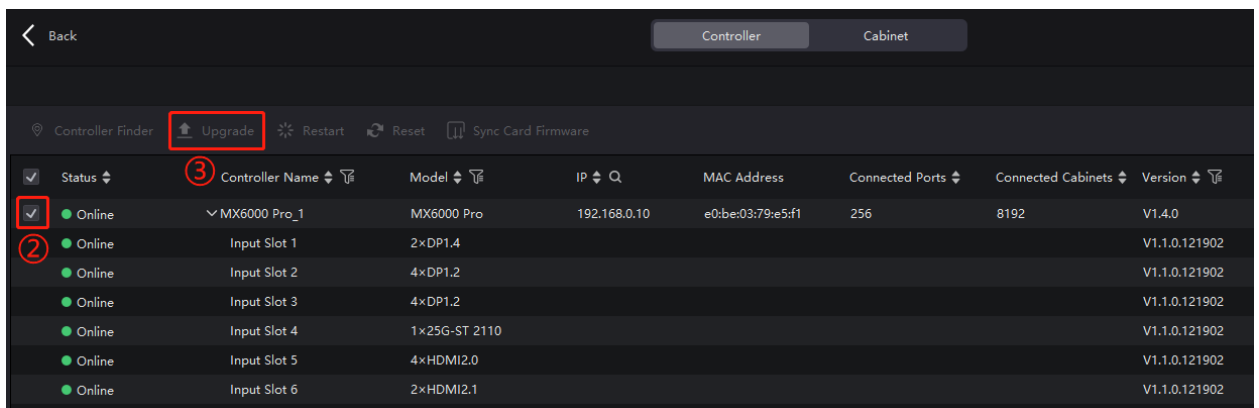
1.2 Operating Procedure

Step 1 From the menu bar, choose **Tools > Maintain**.



Step 2 On the **Controller** page, select the target controllers.

Step 3 Click **Upgrade**, select the V1.4.0 firmware program file (.img) or .zip file and click **OK**.



Note:

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

1.3 Special Note

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

Additionally, certain new or optimized features require upgrading the firmware of both VMP and receiving cards.

The latest product user manuals and firmware packages are available on NovaStar's official website at:

https://www.novastar.tech/downloads/?_sasdk=DMTg4NDI2YTE0Mjc3ZGQtMDAyYTEyZDZkN2U1OTdhMi0yNjAzMWE1MS0yMDczNjAwLTE4ODQyNmExNDI4MTAzOQ

2 New Version Introduction

2.1 Release Notes

Version 1.4.0 introduces three new input cards and one new output card. It also enhances the 3D LUT and multi-batch module adjustment functions, and includes several bug fixes.

2.2 Compatible Product

Product	Model
Control Software	VMP
Receiving Card	A5s Plus, A7s Plus, A8s and its series, A8s-N, A8s Pro and its series, A10s Pro and its series, CA50E, XA50 Pro
Fiber Converter	<ul style="list-style-type: none"> MX6000 Pro/MX2000 Pro with 1G output card: Compatible with the CVT10 and CVT10 Pro. MX6000 Pro/MX2000 Pro with 5G output card: Compatible with the CVT8-5G.
Multifunction Card	MFN300
Light Sensor	NS060

3 New Cards

Type	Name	Description
Input Card	MX_1xDP 1.4+1xHDMI 2.1 input card	Offers both DP 1.4 and HDMI 2.1 input interfaces.
	MX_1xST 2110 (25G) input card	Offers 1x ST 2110 (25G) interface. Supports physical backup of input sources.
	MX_2xST 2110 (25G) input card	Offers 2x ST 2110 (25G) interfaces. Supports physical backup of input sources.
Output Card	MX_1x40G_Fiber output card	Supports 5G output and should be used with CVT8-5G fiber converter.

4 Optimization Details

Function	Description
3D LUT	File uploads now support precision formats of 33x33x33 and 65x65x65.
Multi-batch Module Adjustment	Optimized device performance to significantly enhance the speed of multi-batch module adjustment. MX6000 Pro/MX2000 Pro with 1G output card: Available with the A10s Pro. MX6000 Pro/MX2000 Pro with 5G output card: Available with the CA50E V1.3.0.0 or later, and XA50 Pro.

5 Bug Fixes

1. Fixed the issue where the LED screen would display abnormally when the topology width of a single Ethernet port was less than 192.
2. Adjusted the all-in-one controller mode to allow a minimum frame rate of 23.94 Hz, instead of being limited to 30 Hz.
3. Fixed the screen flickering issue in all-in-one controller mode that occurred when the output frame rate exceeded the screen's maximum frame rate, by implementing automatic frame rate reduction.

6 Known Issues

None.

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