MX30/MX20/KU20 LED Display Controller

V1.4.0

Release Notes

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1 Upgrade Instructions
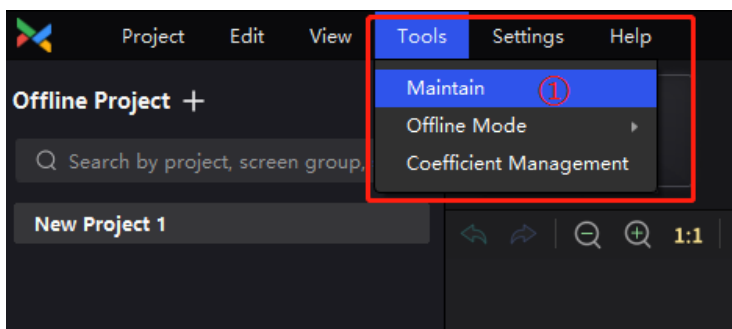
1.1 Upgrade Steps

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

- The MX30 must be running firmware V1.1.0 or later before upgrading to V1.4.0.

- The MX20 must be running firmware V1.0.0 or later before upgrading to V1.4.0.

- The KU20 must be running firmware V1.2.1 or later before upgrading to V1.4.0.

Note: If the controller is running a firmware version below the one mentioned above, please download the firmware from the official website to upgrade.
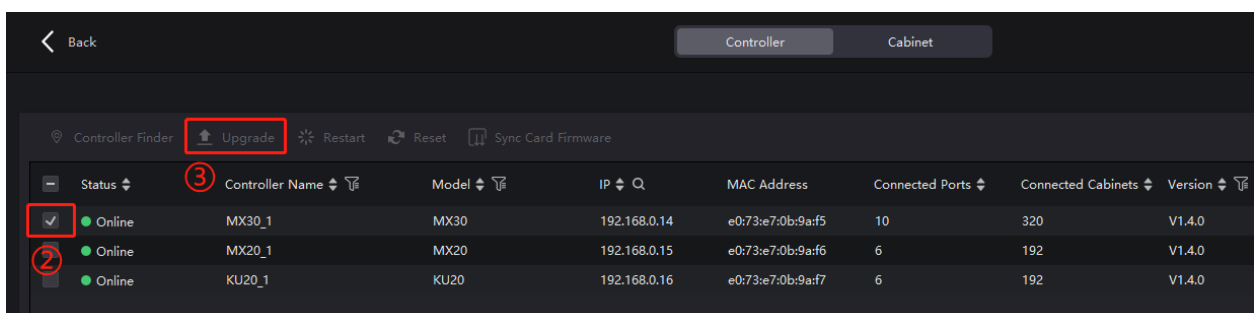
1.2 Operating Procedure

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.

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=dMTg4NDI2YTE0Mjc3ZGQtMDAyYTExZDZkN2U1
0TdhMi0yNjAzMWE1MS0yMDczNjAwLTE4ODQyNmExNDI4MTAz0Q

2 New Version Introduction

2.1 Release Notes

Version 1.4.0 enhances the multi-batch module adjustment function 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
Fiber Converter	CVT10, CVT10 Pro
Multifunction Card	MFN300
Light Sensor	NS060

3 Optimization Details

Function	Description
Multi-batch Module Adjustment	Optimized device performance to significantly enhance the speed of multi-batch module adjustment. (Available with the A10s Pro)

4 Bug Fixes

1. Fixed the issue where the device-to-device backup in all-in-one controller mode does not take effect after the layer becomes source-less.

2. Fixed the issue where the LED Image Booster does not take effect on certain cabinets when the screen is loaded by multiple models of receiving cards.

3. Fixed the issue where turning on the calibration switch after uploading the calibration coefficients when the controller works with the A10s Pro caused bright lines to appear on the display.

4. Fixed the issue where, under a 10-bit output, adjusting the low-grayscale compensation to 83.3% and 100% caused abnormal display on the screen.

5. Fixed the issue where the input sources are unstable for HDMI connectors at a resolution of 3840×1152@60Hz.

6. Fixed the compatibility issue between Blackmagic's Teranex Mini-HDMI to 12G-SDI converter and MX30's SDI connector.

7. Fixed the issue where the multi-mode function is not displayed in VMP V1.2.3 interface after the NCP file generated by Cabinet Tool V1.0.5 is imported to VMP.

8. Fixed the issue where the display exhibits grayscale spikes when the grayscale gradient test pattern is displayed.

9. Fixed the issue where the ARM system would crash abnormally after a power cycle or extended operation.

10. Fixed the issue where certain cabinets display a black image when the number of cabinets in the screen topology exceeds 16.

11. Fixed the issue for MX30 in 10-bit output mode, where the LED display loaded by receiving cards except the A10s Pro exhibits flickering horizontal lines.

5 Known Issues

None.

Official website
www.novastar.tech

Technical support
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