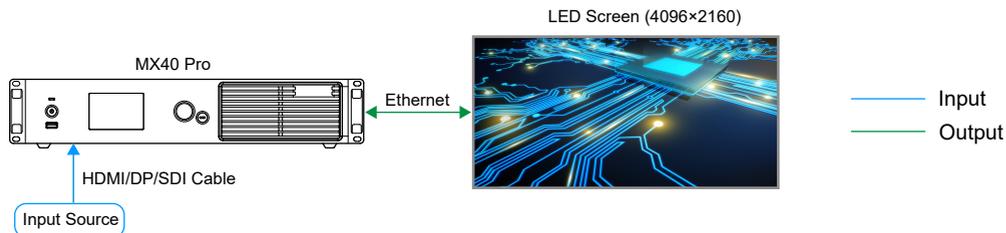# Quick Start Guide

NovaStar's flagship 4K LED display controller, the MX40 Pro, offers rich video input connectors (HDMI 2.0, DP 1.2 and 12G-SDI) and 20 Ethernet output ports. It can work with the brand-new VMP screen configuration software to provide users with the ultimate experience.
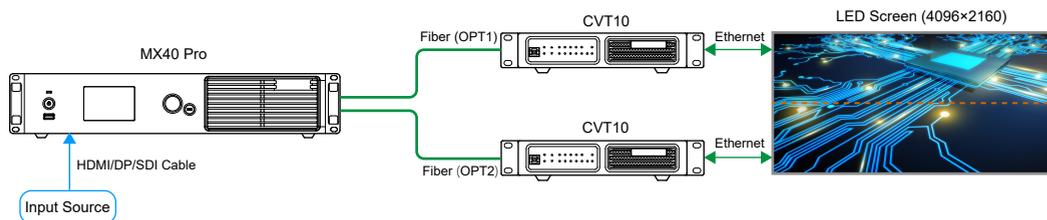
Applications

Synchronous Mosaic

LED Screen (4096×2160)

MX40 Pro

Ethernet

— Input
— Output

HDMI/DP/SDI Cable

Input Source

Long-Distance Transmission via OPT Ports

LED Screen (4096×2160)

MX40 Pro

CVT10

Fiber (OPT1)   Ethernet

CVT10

Fiber (OPT2)   Ethernet

HDMI/DP/SDI Cable

Input Source

Quick Configuration

If the screen, cabinets, data flow, and the number of cabinets loaded by an Ethernet port meet the following requirements, you can complete the screen configuration quickly with the LCD menus. Otherwise, you have to use the VMP software to complete the screen configuration.
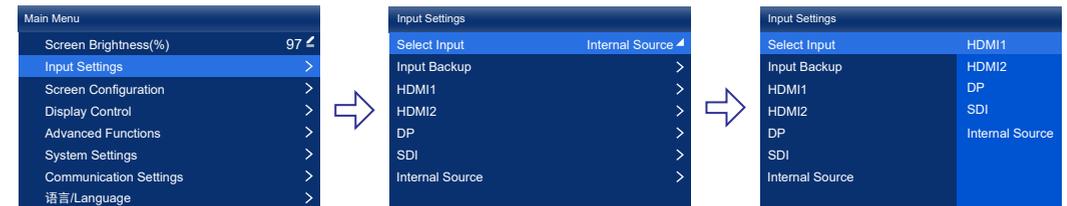- Screen: The LED screen is a regular one.
- Cabinet: The cabinets are regular ones of the same size and function well.
- Data flow: The data runs in the same way for all Ethernet ports and the data flow is one of the following. The starting position of the data flow is the first cabinet of Ethernet port 1, and the connections are made in sequence according to the serial number of the Ethernet port.

- Cabinets loaded by an Ethernet port: If n ports are used to load the cabinets, the number of cabinets loaded by each of the first (n–1) ports is the same and an integral multiple of the number of cabinet rows or columns, and it is greater than or equal to the number of cabinets loaded by the last port.
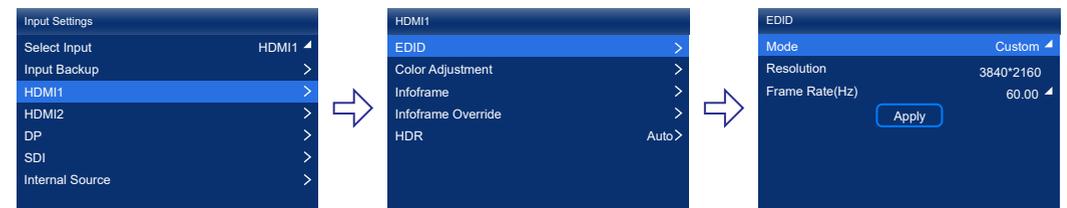
Step 1 Set an Input Source

1 Select an Input Source

Main Menu	
Screen Brightness(%)	97
Input Settings	>
Screen Configuration	>
Display Control	>
Advanced Functions	>
System Settings	>
Communication Settings	>
语言/Language	>

Input Settings	
Select Input	Internal Source
Input Backup	
HDMI1	>
HDMI2	>
DP	>
SDI	>
Internal Source	>

Input Settings	
Select Input	HDMI1
Input Backup	HDMI2
HDMI1	DP
HDMI2	SDI
DP	Internal Source
SDI	
Internal Source	

2 Set Input Source Parameters

According to the input source type, perform the relevant operations of the external input source (HDMI, DP) or internal source. SDI does not support input resolution settings.

≫ External Input Source

Input Settings	
Select Input	HDMI1
Input Backup	
HDMI1	
HDMI2	>
DP	>
SDI	>
Internal Source	>

HDMI1	
EDID	>
Color Adjustment	>
Infoframe	>
Infoframe Override	>
HDR	Auto >

EDID	
Mode	Custom
Resolution	3840*2160
Frame Rate(Hz)	60.00
Apply	

Mode:
- Custom: Manually specify a resolution.
- Preset: Select a resolution preset.

≫ Internal Source

Input Settings	
Select Input	Internal Source
Input Backup	>
HDMI1	>
HDMI2	>
DP	>
SDI	>
Internal Source	

Internal Source	
Image	
Resolution	>

Resolution	
Mode	Custom
Resolution	3840*2160
Frame Rate(Hz)	60.00
Bit Depth(bit)	8
Apply	
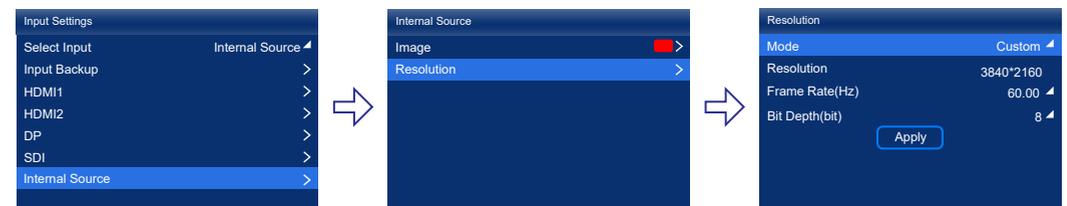
The internal source can be used as a test pattern to debug the screen and find problems. If you want to change the image of the internal source, choose **Internal Source** > **Image**.

Step 2 Load a Cabinet Configuration File (Optional)

Before you begin, place the cabinet configuration file (.rcfgx) to the root directory of a USB drive and insert it into the USB port on the front panel of the device.
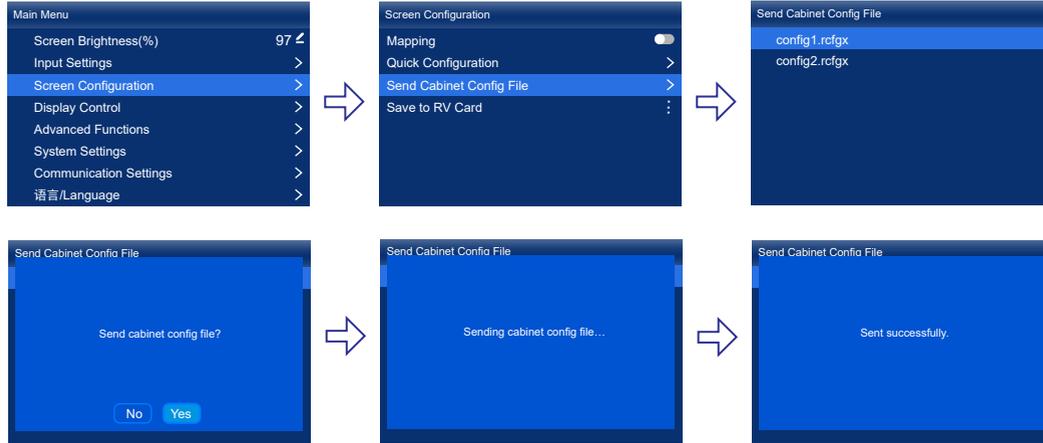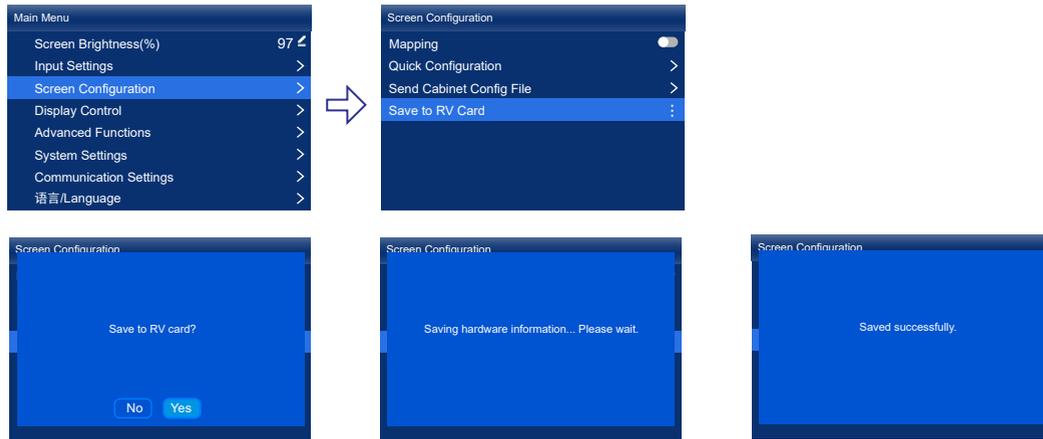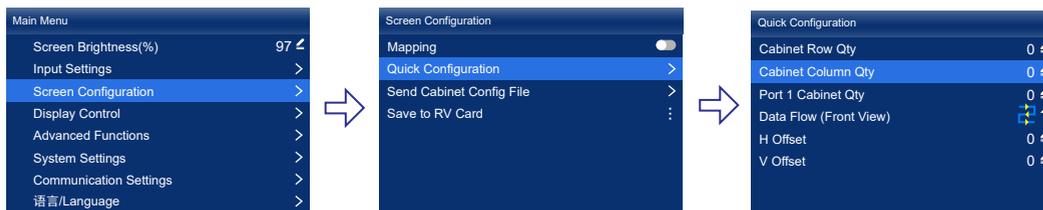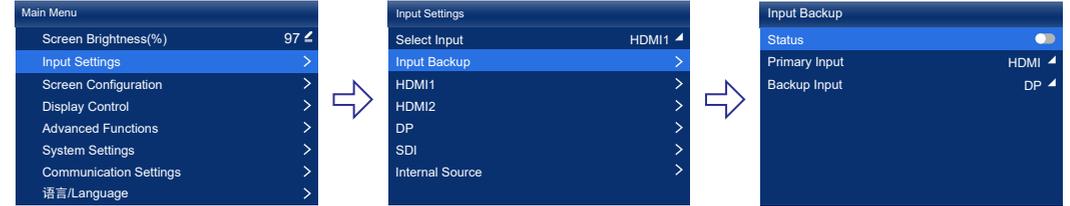
1 Send the Cabinet Configuration File

Main Menu
- Screen Brightness(%)   97
- Input Settings
- Screen Configuration
- Display Control
- Advanced Functions
- System Settings
- Communication Settings
- 语言/Language

→

Screen Configuration
- Mapping
- Quick Configuration
- Send Cabinet Config File
- Save to RV Card

→

Send Cabinet Config File
- config1.rcfgx
- config2.rcfgx

Send Cabinet Config File

Send cabinet config file?

No   Yes

→

Send Cabinet Config File

Sending cabinet config file...

→

Send Cabinet Config File

Sent successfully.

2 Save the Cabinet Configuration File to Hardware

Main Menu
- Screen Brightness(%)   97
- Input Settings
- Screen Configuration
- Display Control
- Advanced Functions
- System Settings
- Communication Settings
- 语言/Language

→

Screen Configuration
- Mapping
- Quick Configuration
- Send Cabinet Config File
- Save to RV Card

Screen Configuration

Save to RV card?

No   Yes

→

Screen Configuration

Saving hardware information... Please wait.

→

Screen Configuration

Saved successfully.

Step 3 Quick Configuration

Main Menu
- Screen Brightness(%)   97
- Input Settings
- Screen Configuration
- Display Control
- Advanced Functions
- System Settings
- Communication Settings
- 语言/Language

→

Screen Configuration
- Mapping
- Quick Configuration
- Send Cabinet Config File
- Save to RV Card

→

Quick Configuration
- Cabinet Row Qty   0
- Cabinet Column Qty   0
- Port 1 Cabinet Qty   0
- Data Flow (Front View)
- H Offset   0
- V Offset   0

Input Backup

Main Menu
- Screen Brightness(%)   97
- Input Settings
- Screen Configuration
- Display Control
- Advanced Functions
- System Settings
- Communication Settings
- 语言/Language

→

Input Settings
- Select Input   HDMI1
- Input Backup
- HDMI1
- HDMI2
- DP
- SDI
- Internal Source

→

Input Backup
- Status
- Primary Input   HDMI
- Backup Input   DP

Device Backup

Main Menu
- Screen Brightness(%)   97
- Input Settings
- Screen Configuration
- Display Control
- Advanced Functions
- System Settings
- Communication Settings
- 语言/Language

→

Advanced Functions
- Device Backup   Primary
- 3D   Off
- Output Settings
- LED Screen Color

→

Device Backup
- Select Backup Device

Device Backup

Searching for devices...

Device Backup
- ? MX40 Pro 2-192.168.0.11

Applied successfully.

Gamma & Color Temperature

Main Menu
- Screen Brightness(%)   97
- Input Settings
- Screen Configuration
- Display Control
- Advanced Functions
- System Settings
- Communication Settings
- 语言/Language

→

Advanced Functions
- Device Backup   Primary
- 3D   Off
- Output Settings
- LED Screen Color

→

LED Screen Color
- Gamma   2.80
- Color Temperature(K)   6500
- Reset