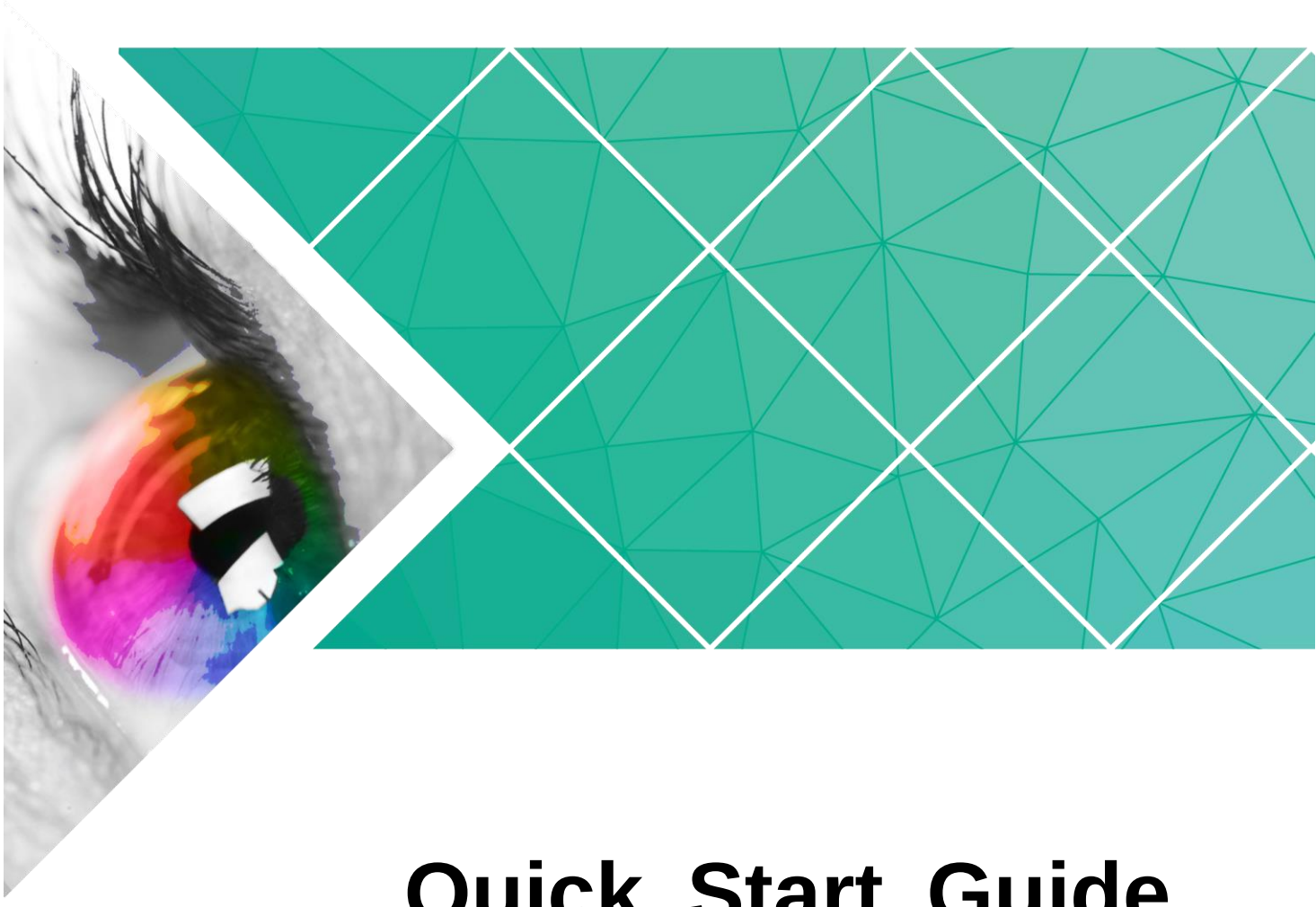
EMT200

3D Emitter



Quick Start Guide

Product Version: V1.0.0

Document Number: NS110100634

Trademark

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Statement

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FCC Caution

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Change History

Version	Release Date	Description
V1.0.0	2018-08-16	First release

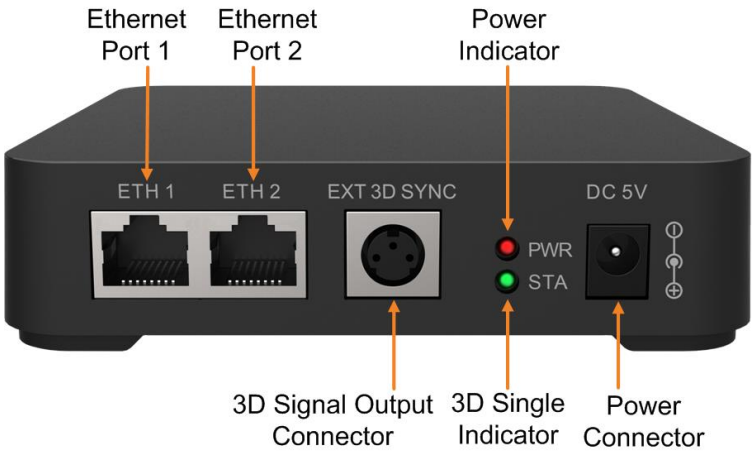
1 Overview

The EMT200 is a 3D signal emitter from NovaStar designed for LED displays. The emitter enables 3D display effect by working with 3D glasses and the controllers that support 3D function.

Features

- Obtains the 3D synchronization signal through Ethernet cables and can be connected to receiving cards.
- Supports a VESA 3D signal output connector connecting to a third-party external emitter.

2 Appearance



Connector	Description
Ethernet port 1	Gigabit Ethernet port used for signal input or output.
Ethernet port 2	Gigabit Ethernet port used for signal input or output.
3D signal output connector	Complies with VESA standard and connects to a third-party external 3D emitter.
Power indicator	Always on: The power supply is normal.
3D signal indicator	Working statuses of the indicator: • Flashing every 1s: The EMT200 works normally. • Flashing every 3s: The EMT200 has no signal input. • Always on: A third-party external 3D emitter is connected.
Power connector	Connects to the provided power adapter to provide 5V DC power supply.

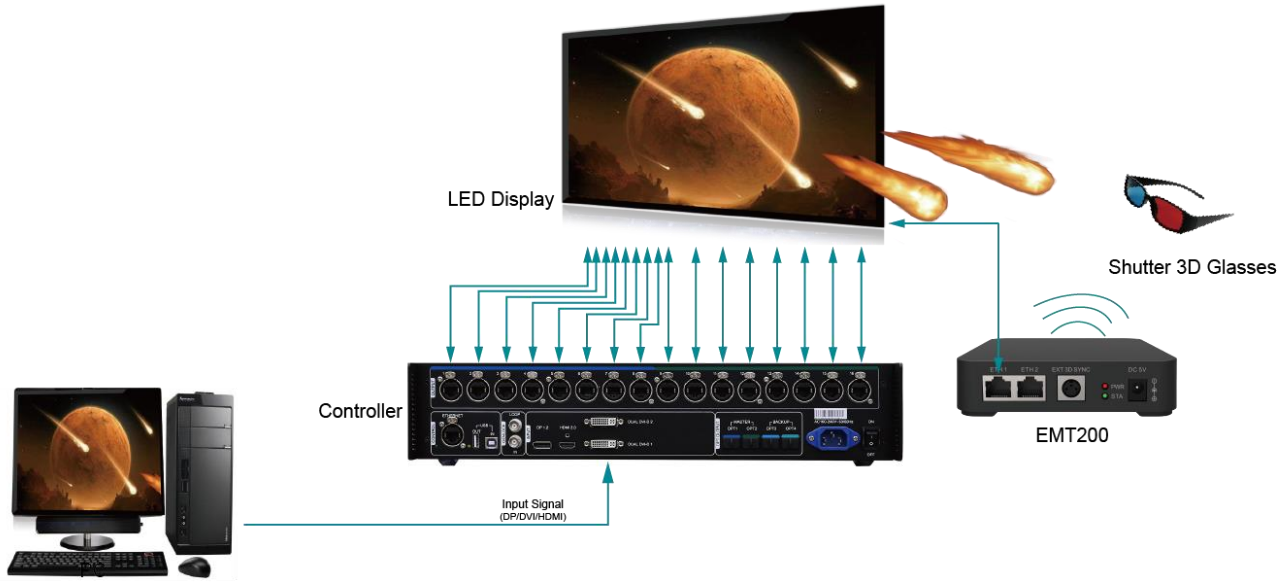
3 Applications

The EMT200 can be connected between the controller and receiving card, or connected behind any of the receiving cards, making cabling flexible.

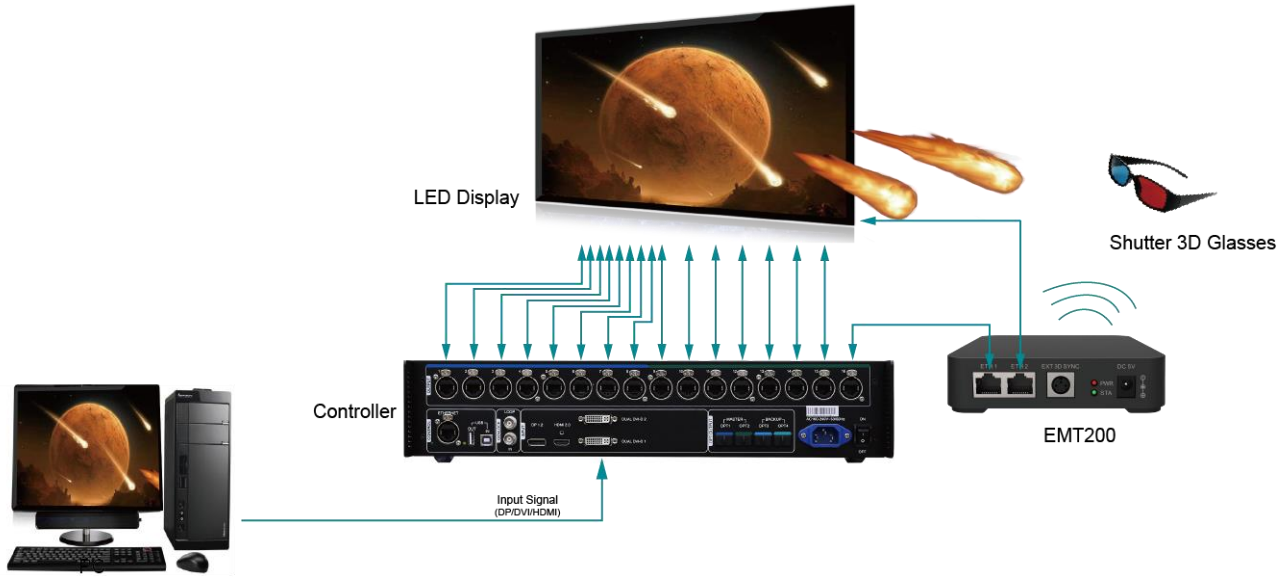
Note:

- The controller in the application scenarios must support 3D function.
- Only one EMT200 unit can be used in each application scenario.

Application 1: EMT200 connected behind any of receiving cards



Application 2: EMT200 connected between controller and receiving card



4 3D Function Settings

Step 1 Connect hardware devices according to the corresponding application described in chapter 3 Applications. Application 1 is recommended.

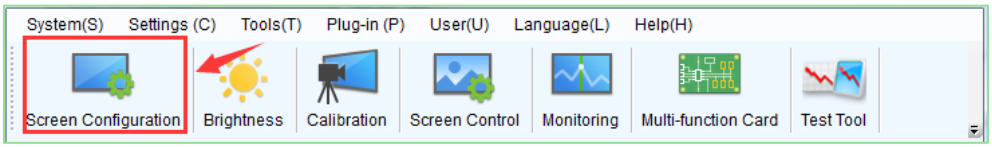
Step 2 Enable 3D function by using any of the following methods and set 3D parameters.

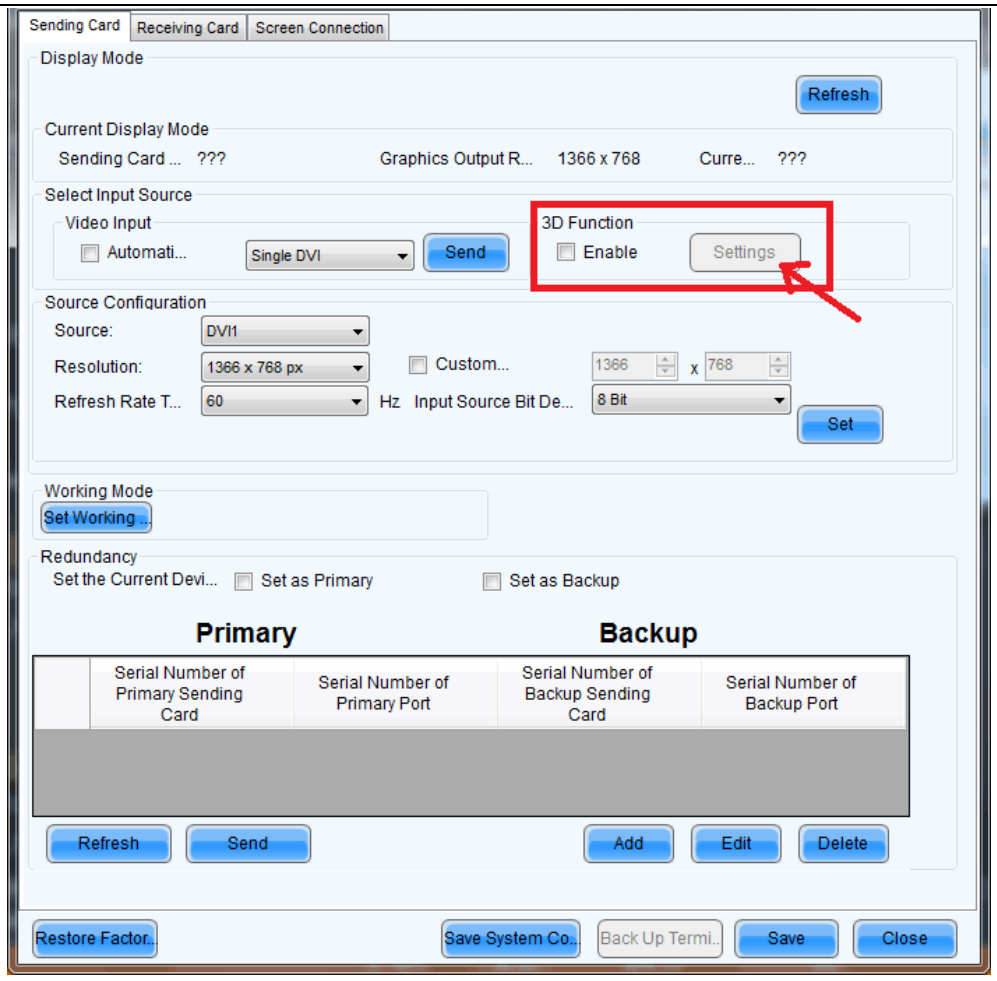
- Method 1: On LCD menu

  On the LCD menu of the controller, choose **Advanced Settings** > **3D Settings** to enable the 3D function and set the video source format and eye priority.

- Method 1: On NovaLCT

  1. Start NovaLCT, choose **Screen Configuration** > **Sending Card**, select **Enable** in 3D function area and click **Settings** to enter the 3D parameter settings page.
  2. Set 3D function parameters. Then, click **Save to File** to save the parameters you set as a file. Or, you can click **Load from File** to load an existing 3D configuration file.
  3. On the screen configuration page, click **Save** to save current configuration parameters to the controller.





Step 3 Wear the provided 3D glasses and watch the images.

Step 4 (Optional) Enable the third-party external emitter.

On NovaLCT, select **Enable third-party emitter** and set **Signal Delay Time**.

Note:

If the third-party emitter is enabled, please wear the 3D glasses provided by the third party and set **Signal Delay Time** to make sure that the signal of 3D glasses is in sync with the display signal. The final 3D effect depends on the third-party emitter.

5 Firmware Update and Readback

EMT200 firmware update and readback must be operated on NovaLCT.

Update

Step 1 Start NovaLCT and choose **Advanced Synchronous System User Login** to log in to the advanced user page.

Step 2 Type the secret code "admin" to enter the **Program loading** page.

Step 3 Click **Browse** to choose the program path, and then click **Update**.

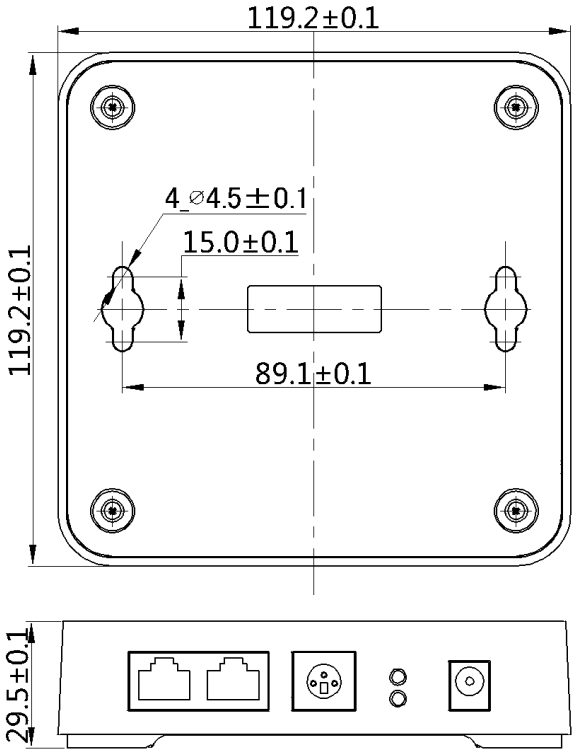
Readback

Under **Hardware Program Version Information**, select **Refresh All** and click **Refresh**.

6 Instructions for Provided 3D Glasses

- Set the switch of the 3D glasses to ON to turn on the 3D glasses. The red and blue indicators will flash alternately.
- When the 3D glasses detect 3D signal, the red and blue indicators go off.
- After turned on, the 3D glasses can detect and connect to 3D signals within 30 meters of the EMT200 emitter.
- After connected to the 3D signal, the 3D glasses can work morally within 50 meters of the EMT200 emitter.
- After fully charged for 3.5 hours, the 3D glasses can provide up to 48 hours of continuous use.
- The DC 5V900mA USB charger is recommended for the provided 3D glasses.
- You can also buy Optoma ZF2300 active shutter VESA 3D glasses to use.
- When you use a third-party emitter and its 3D glasses, refer to the corresponding instructions.

7 Dimensions



Unit: mm

8 Specifications

Input voltage	DC 5V
Rated current	0.2 A
Rated power consumption	1 W
Dimensions	119.2 mm × 119.2 mm × 29.5 mm
Net weight	170.3 g
Work temperature	0~40℃
Packing information	Packing box: 380 mm × 200 mm × 100 mm Outer container: 390 mm × 210 mm × 110 mm 1 × RJ45 Ethernet cable (1.5 m) 1 × DC power adapter (5V2A) 5 × pairs of 3D glasses 2 × sleeve anchors