LED Controller

Quick Start Guide

1 Safety information

To prevent personal injury and to protect the device from damage, read and follow these safety precautions.

- **Do not remove the cover**
  To avoid personal injury, do not remove the top cover.
- **Only use the power supply and accessories specified by the manufacture**
  The operating voltage of this product is 100V-240V AC. Only use the power cord provided with the product or the power cord that meets the appropriate local rating standards.
- **Prevent function interfaces from contact with charged objects**
  This is an electric product. The circuit elements may be damaged if the function interfaces contact charged objects.
- **Grounding**
  To avoid electrical shock, ensure that the product is grounded.
- **Electromagnetic Interference**
  This is a class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.
- **Environmental Condition**
  Use only at altitudes not more than 5000m above sea level.
- **Avoid Moisture**
  This product is not waterproof, so avoid contact with liquid or operating the product in a humid environment
- **Keep the product away from flammable and explosive hazardous substances**

Unpacking and Inspection

After unpacking, check the items according to the packing list in the box. Please contact the salesman in time if you find the accessories are incomplete.

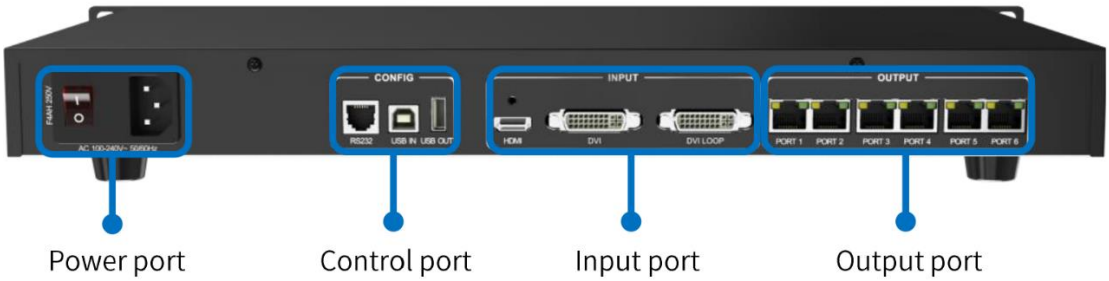
2 Hardware

Front

Seven-segment LED display: Display brightness levels (16 levels).

Plus/minus button: Increase or decrease brightness levels. You can press and hold the “+” button for 3 seconds to enter the test mode and select between 15 test modes, or press and hold the “-” button for 3 seconds to exit the test mode.

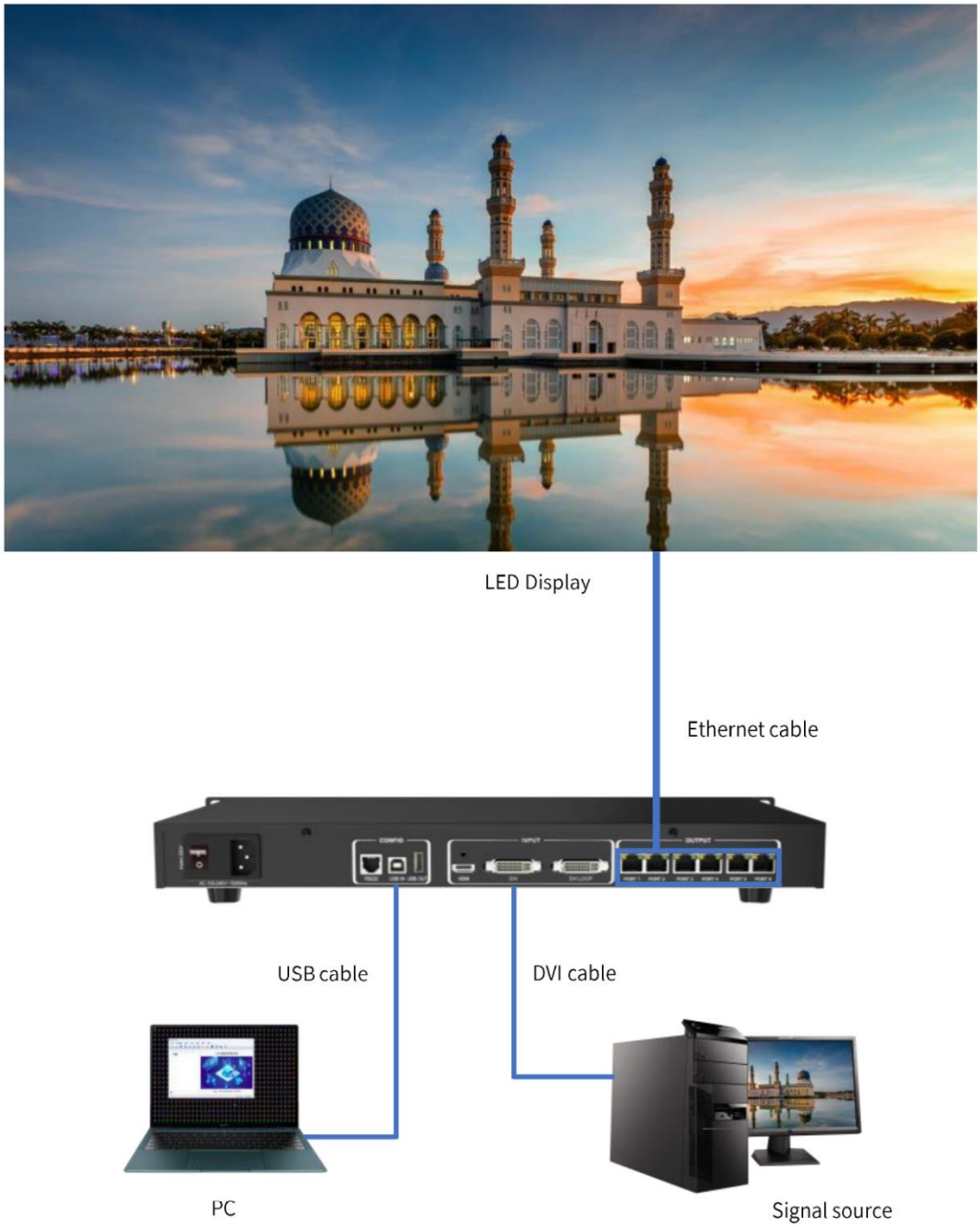
Rear



Power port	
AC 100-240V	Connect to AC power supply (AC 100-240V, 50/60Hz)
Control port	
RS232	Connect to third party control devices for control based on the serial communication protocol
USB IN	Connect to the computer for debugging, or as cascading input
USB OUT	As cascading output
Input port	
HDMI	Support up to 1920×1200@60Hz resolution
DVI	Support up to 1920×1200@60Hz resolution

DVI LOOP	DVI loop output, connect to the next cascaded device, or used for monitoring
Output port	
PORT 1-6	Connect to receiver cards for outputting signals

3 Hardware connections

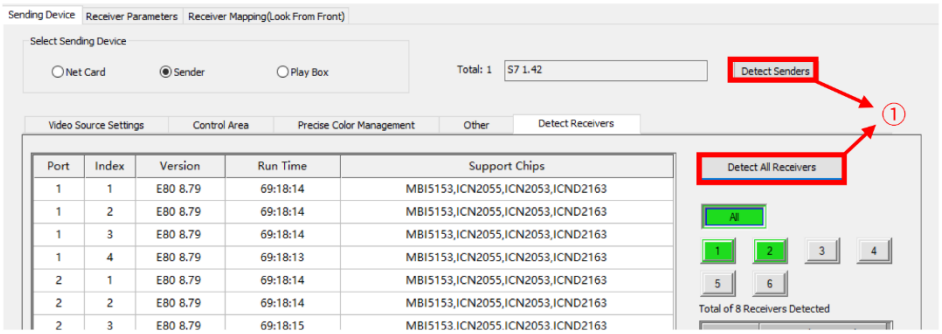


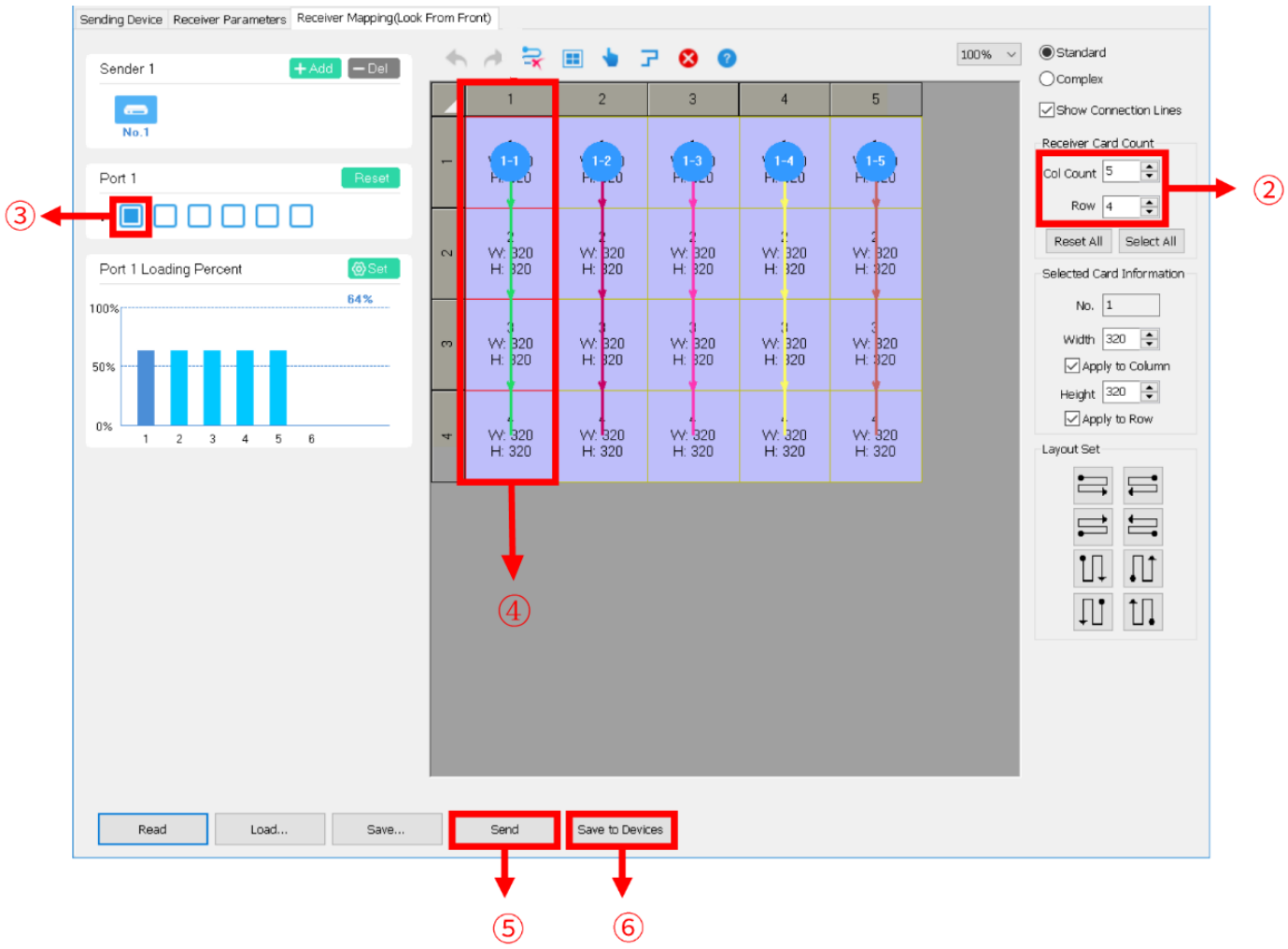
4 Software settings

You can configure the screen and perform display settings using the software.

Beforehand, light up the screen and ensure that you have saved the correct receiver card parameters.

Step 1: Configure the screen





① Detect senders and receiver cards to ensure hardware connections are proper.

② Enter the number of the rows and columns of cabinets.

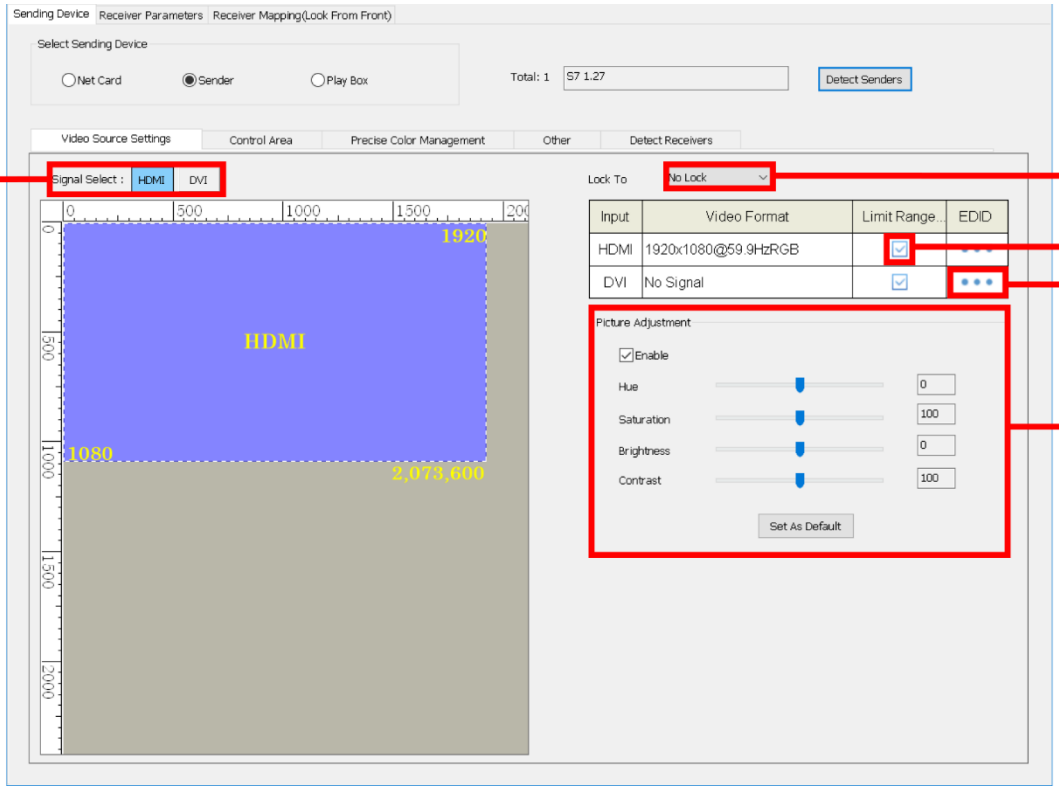
③ Select the serial number of the port that you want to set mapping for.

④ Click every cabinet loaded by the port successively according to actual connection sequence of Ethernet cables.

⑤ Send the mapping to the screen to test whether the current mapping is correct.

⑥ If the screen is displayed normally, save the mapping to senders and receiver cards.

Step 2: Display settings



① Select a signal source.

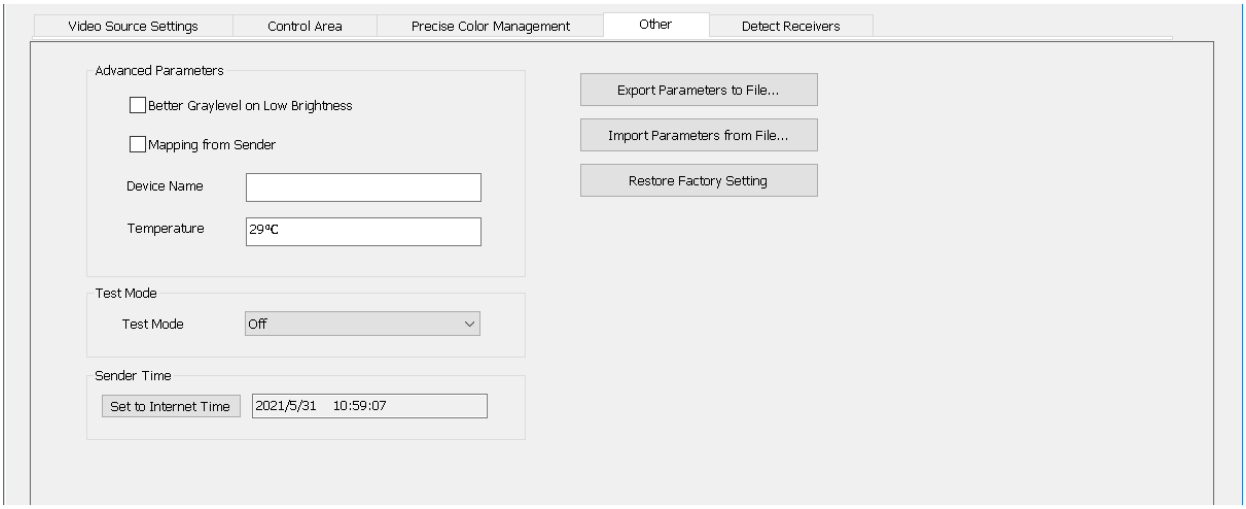
② Select a syn signal source.

③ Enable or disable limited RGB.

④ Set the resolution of signal sources.

⑤ Adjust the value of hue, saturation, brightness compensation and contrast of output images.

Other settings



Better Graylevel on Low Brightness: Improve the display effect at low brightness.

Mapping from Sender: Adopt the mapping saved in the device.

Device Name: Enter the name of the device and the name will display on the front panel.

Temperature: Operating temperature of the device.

Test Mode: Select built-in images to test the display of the screen.

Sender Time: Synchronize sender time with Internet time.

Export Parameters to File: Save the current configuration to a file.

Import Parameters from File: Load the saved configuration from the local file.

Restore Factory Setting: Reset the device.

Colorlight Russia and Belarus: www.powerlight.ru