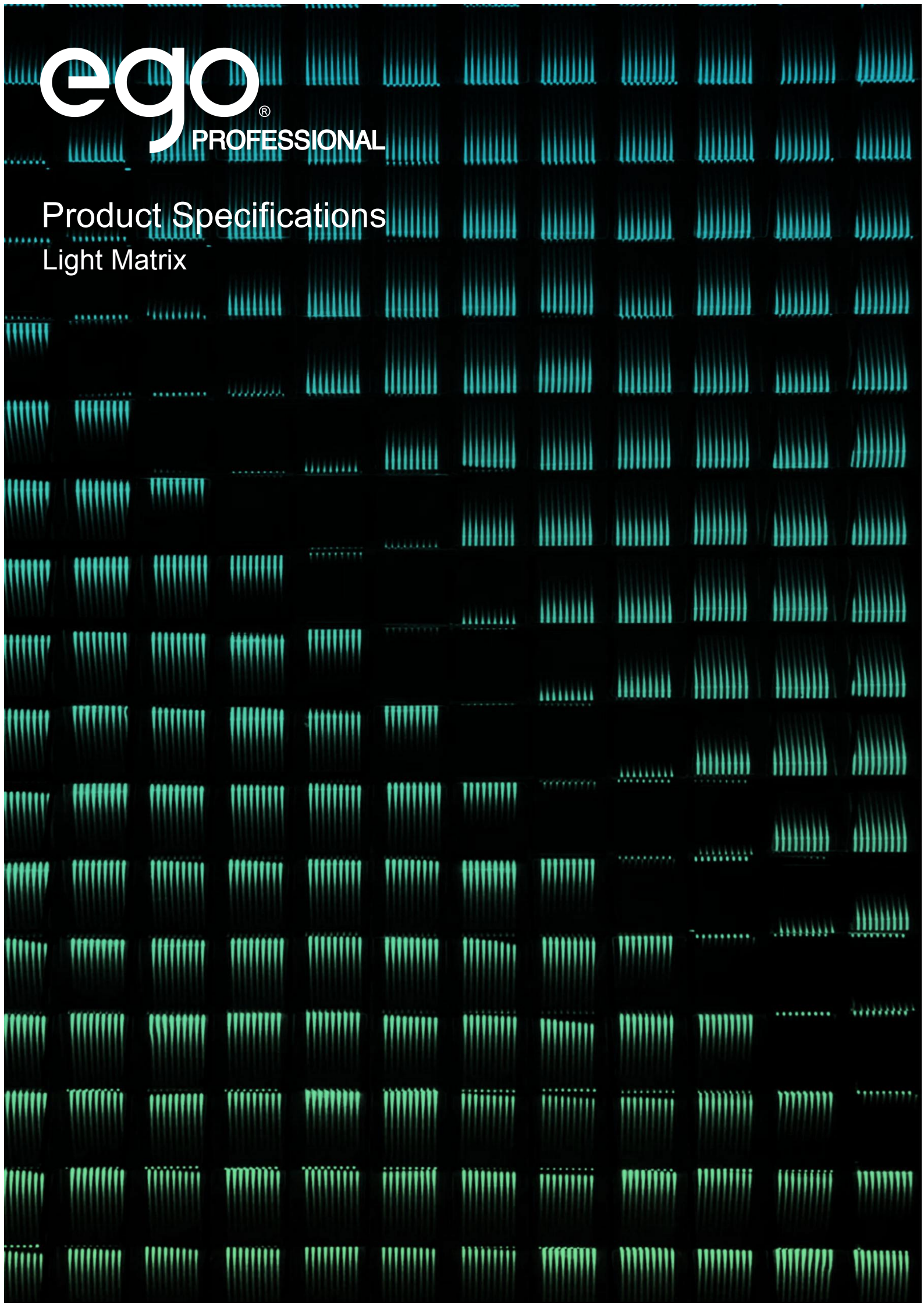


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Product Specifications
Light Matrix



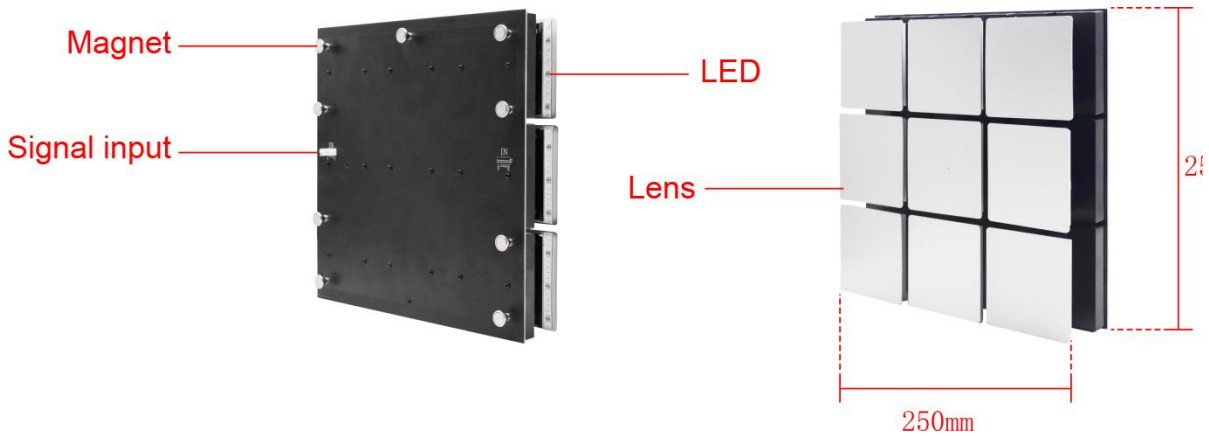
Product name: Light Matrix

Product code: PMLED

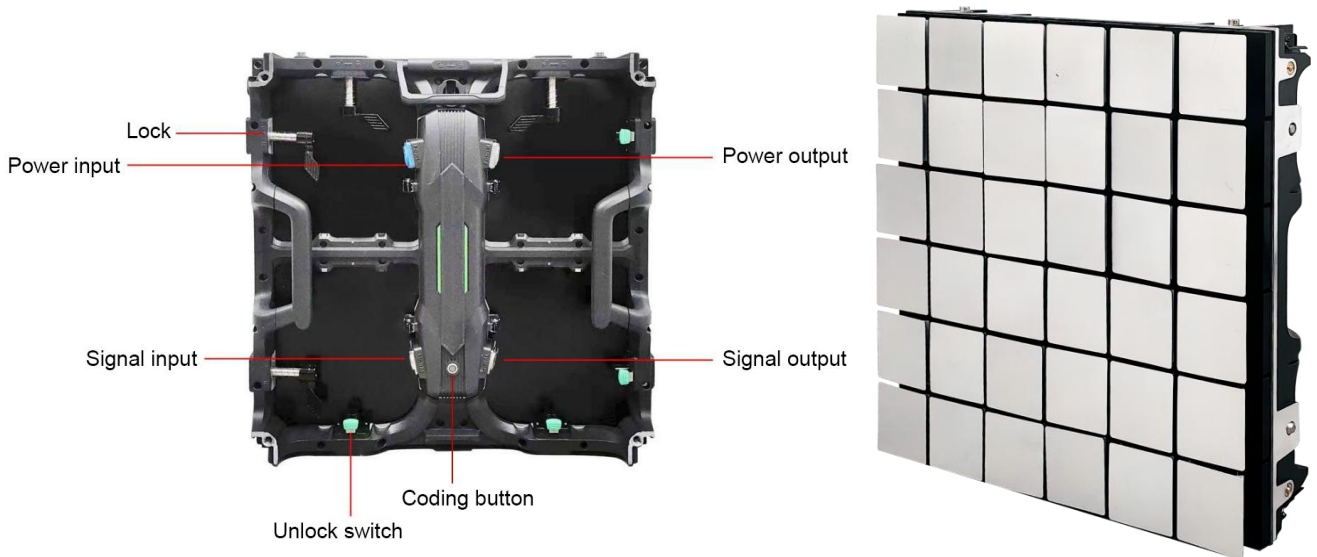
Overview:

The Light Matrix are designed with a built-in controller. The control module is built in the cabinet. It is controlled by DMX signals and can be used in cascades. It has a 60° floating angle, and the speed changes with the change of curvature. The lens is made of stainless steel brushing process, which is not easy to get dusty. It is not easy to leave fingerprints and is easy to clean. RGB color led are installed on both sides; the Light Matrix are installed by cabinet splicing, which is simple and convenient. It is mainly suitable for scenes such as art creation, shopping malls, exhibitions and night tours, adding charm and atmosphere with unique effects.

Product picture:



Each Light Matrix cabinet can be installed with 4 Light Matrix modules;



◆ Product features:

- 110-220V wide voltage power supply, DMX signal input;
- Built-in controller design, simple and convenient control;
- Automatic calibration (reset) after power on;
- One-click coding button to automatically complete address coding;
- The 60-degree floating angle can be controlled arbitrarily, and the speed changes with the speed of the push rod;
- DMX signal control, multiple devices can be connected in series;
- Maximum 255 cabinets can be cascaded;
- Cabinet installation, better area coverage effect;
- Can work with ARTNET software (MAD-SHOW, MADRIX) and supports offline use;
- Support online upgrade;

◆ Parameter list

Parameter	Unit	Min	Typical	Max
Working voltage (DC)	V	110	—	220
Power	W	—	—	180
LED type	—	—	2835RGB	—
LED lifetime	H	—	50000	—
Number of cascade units	PCS	—	—	255
Control mode	—	—	ArtNet/DMX/sACN	—
Channel	—	—	RGB	—
Cabinet weight (including Light Matrix)	KG	—	11	—
Cabinet size (including Light Matrix)	MM	—	500*500*120	—
Number of Light Matrix per Cabinet	PCS	—	36	—
Product color	—	—	Black	—
Product material	—	—	PC+Stainless steel	—

DMX channel list

Channel	Function	Functional Description
Channel 1	R	Indicates the red in the effect, 000 is the original effect, 255 indicates all red in the display effect
Channel 2	G	Indicates the green in the effect, 000 is the original effect, 255 indicates all green in the display effect
Channel 3	B	Indicates the blue in the effect, 000 is the original effect, 255 indicates all blue in the display effect
Channel 4	Control angle and speed	Control angle: 0-255 values are evenly distributed with a 60° rotation angle; Control speed: the speed changes according to the change rate of 0-255 value;

◆ Light Matrix Cabinet installation :

Module magnetic fix cabinet

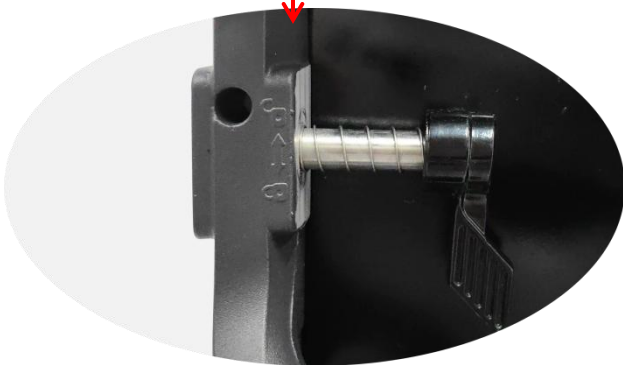
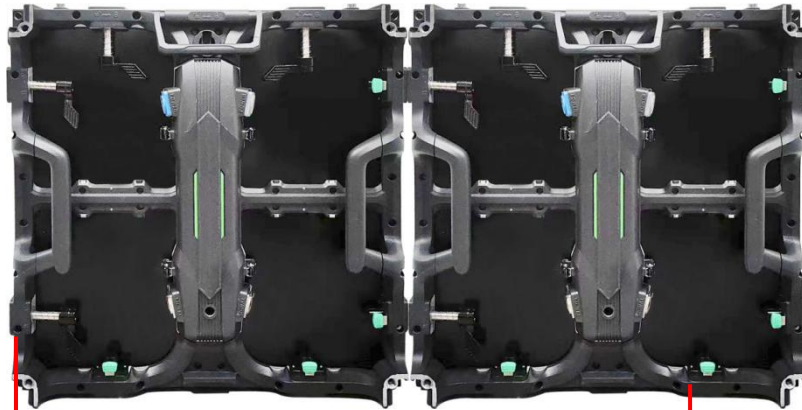
Connect the cabinet signal output port and the module signal input port



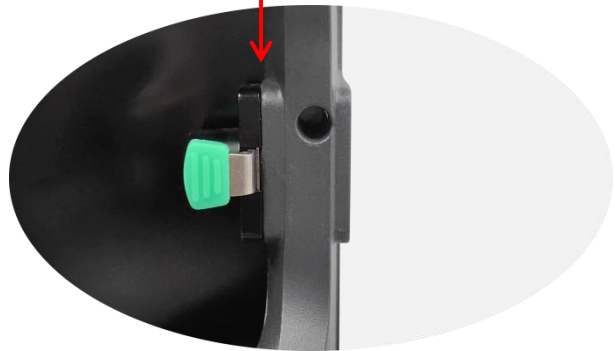
The back of the Light Matrix module is close to the cabinet to complete the magnetic fix installation.



Cabinet splicing



After aligning the cabinet, press the lock into the cabinet and turn the lock to fix according to the direction of the lock;



Press the green unlock switch to open the lock;

◆ **Light Matrix cabinet wiring**



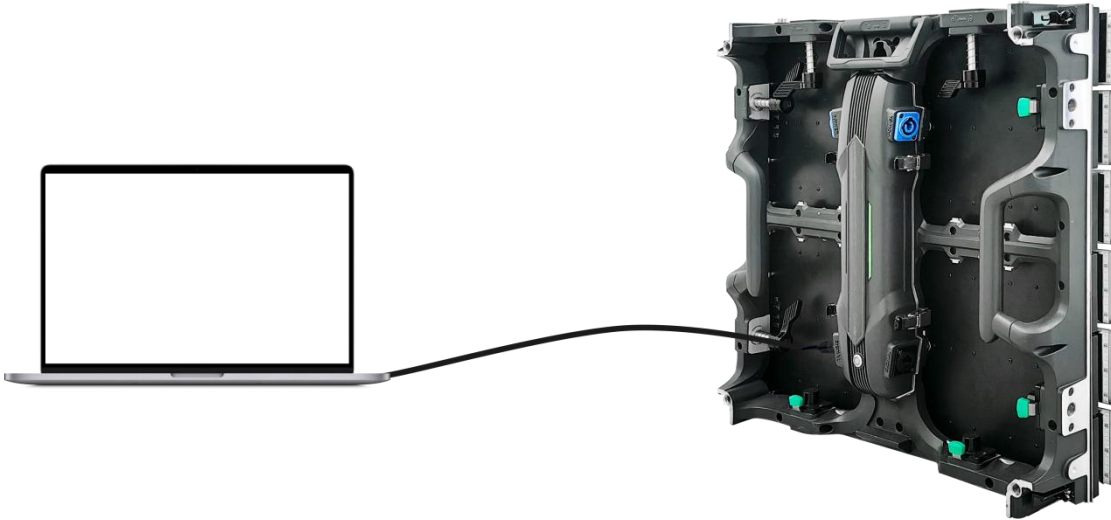
Power cable cascading: the output end of the previous cabinet is connected to the input end of the next cabinet to complete the power cascading;



Signal cable cascading: the signal output of the previous cabinet is connected to the signal input of the next cabinet to complete the signal cascading;

◆ Connection Light Matrix

The Light Matrix cabinet has a built-in controller. Just need to connect the computer network cable with the signal input port of the cabinet;



◆ Light Matrix write code and test

Button function	Function description
Click	To check whether the cabinet can work normally
Double-click	Completing coding for one cabinet
Press and hold for 3 seconds	The button will change from green to red. Release the button then will complete codin for all cabinets.
Press and hold for 10 seconds	Reset to factory setting

Notice:

1. Pay attention to the use environment which should be waterproof and moisture-proof;
2. There is high voltage in the controller, non-professionals should not disassemble the machine, otherwise the consequences will be at your own risk;
3. The company does not provide warranty for man-made damage and natural damage;
4. If abnormalities are found during use, contact the manufacturer in time;