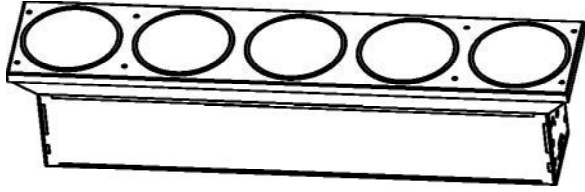


# LED Matrix light User manual



ST-005

Thank you for purchasing our product ! Upon receiving the lighting, please Carefully check that there has been no damage caused in transportation. If The lighting has been damage, do not use the lighting and contact your Dealer or manufacturer.

This product complies with the following standards:

IEC60598-1:2003

IEC60598-2-17:1984+A2:1990

## *Main features*

5 independent LEDs

Built-in programs

0~100% dimmer

Four digital LED display control board

Easy to set up lamp arrays

## *Safety information*

### **Important**

All operation and maintenance must be carried out in accordance with this User manual

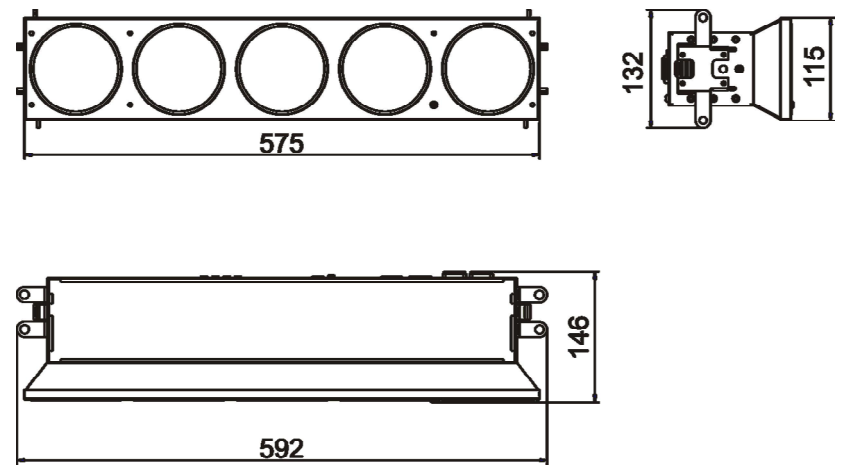
Manufacturer will not with responsibility for that operation not according

To this Instruction:

please read the manual before installing and using this lighting  
Keep it for future reference

Verify that the voltage matches the rated voltage.  
 Make sure power socket is connected with earth cable well. The earth Cable of this unit is Yellow/Green one.  
 always disconnect the power before attempting to open the equipment Housing or carrying out any maintenance.  
 do not connect power cable of other electric products with this unit.  
 Make sure power socket is connected with earth cable well. The earth Cable of this unit is Yellow/Green one.  
 do not expose the fixture to rain or moisture.  
 Verify that the feed cables are undamaged and rated for the current  
 Make sure all devices are connected before use.  
 Keep all combustible materials (for example fabric, wood, paper) at least 0.3 meter away from the light. Keep flammable materials well away from the fixture.  
 Avoid looking directly into the light source (especially those who suffer from epileptic fits)  
 When it is thunderstorm, don't use the light and disconnect the power Supply, high voltage will destroy light.  
 The highest ambient temperature is 40 °C  
 When suspending the fixture above ground level, verify that the Structure can hold at least 10 times the weight of all installed devices.  
 Verify that all external covers and rigging hardware are securely Fastened and use an approved means of secondary attachment such as a safety cable .  
 Verify that all screws are tightly fastened.

## Dimensions



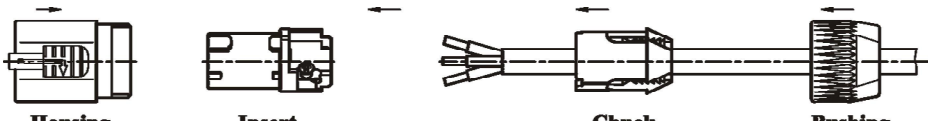
All dimensions are in millimeter

## Power connection

Verify that the voltage matches the rated voltage.  
 Make sure power socket is connected with earth cable well.

### Installing a Neutrik connector on a power cable





Put bushing and chuck onto the cable.

Prepare cable as shown above. The power cable must be a three-conductor 2.5mm<sup>2</sup> cable.

Insert the wire into the terminals and fasten the clamping device by a flat screw driver.

Push insert and chuck into housing (pay attention to the guiding keyway.)

Fasten bushing.

the color-coding schemes and some possible pin identification Schemes; if pins are not clearly identified, or if you have any doubts About proper installation, consult a qualified electrician

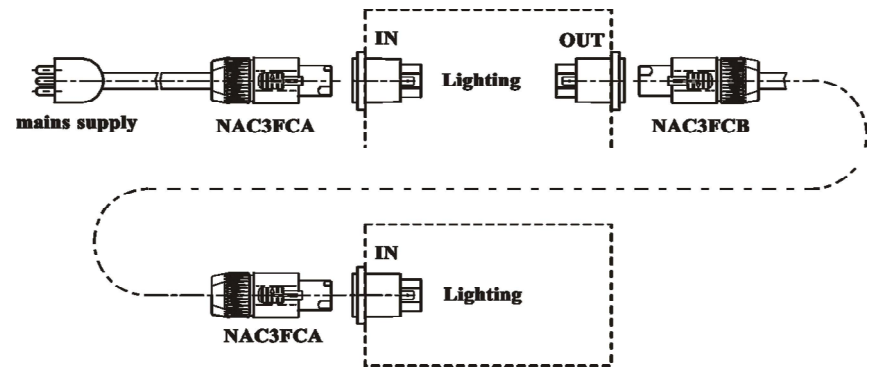
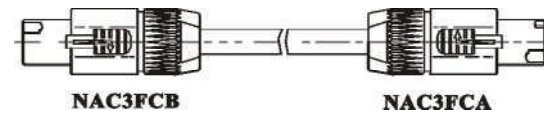
Wire color	Conductor	Symbol
Brown	Live	L
Blue	Neutral	N
Yellow/green	Ground	⏚

### Handling



### Relaying power to other devices

The lightings can be linked in a chain by power cables which installed a blue and light-gray connectors on the two ends. The light-gray connector Connects to the power out socket of the first lighting, and the blue connector connects to the power in socket of the subsequent lighting, and so on.



The power cable must be a three-conductor 2.5mm<sup>2</sup> cable.

Do not connect more than 40 lightings in total to AC mains power in one interconnected daisy chain

## Operation mode

### Stand-alone mode

In Stand-alone mode, the lighting out of control of any exterior signal, run solely. Enter SET menu to set the lighting to Stand-alone mode.

### Master/slave mode

Set one lighting to master-device, others to slave-device, so all lightings run synchronously flow the master-device. There must be only one master-device in a chain. You can set the lighting to master-device in the SET menu. Press the menu to the DMX mode position, the lighting will run in slave mode. If the master lighting is pressed to DMX mode position, it will be reset again.

### DMX mode

When the lighting is displaying the DMX address, it runs in DMX mode, and the lighting can be control by DMX512 signal.

## Control panel

### Buttons

- SET/ESC** Call the main menu, or escape the current menu (i.e. return to The upper menu and give up the selected item or parameter)
- UP** Browse the menu item forward or increase the parameter
- DOWN** Browse the menu item backward or decrease the parameter
- ENTER** Confirm the selected item or parameter (i.e. enter the next Menu, or escape the current menu and save the selected item

## Menu

### Menu Navigation

<b>SET Menu</b>	ESC	A001	ENT	<b>DMX Menu</b>
		UP	DN	
<b>SET Menu</b>	ESC	CUSE	ENT	<b>Adjustment menu</b>
		UP	DN	
<b>SET Menu</b>	ESC	SCEN	ENT	<b>Scenes menu</b>
		UP	DN	
<b>SET Menu</b>	ESC	PROG	ENT	<b>Built-in program menu</b>
		UP	DN	

### SET Menu

SET

RELD	; Reload default
ON	
OFF	
MAAL	; Master/stand-alone setting
MAST	; Master mode
ALON	; Stand-alone mode

Or parameter) -

AUSO ; Run mode when run built-in program  
AUTO ; Auto  
SOUND ; Sound active  
MIC ; Sound active sensitivity  
M20 ; Default=20  
SOFE ; Safe information

### ***DMX menu***

ADDR:  
ADDR ; DMX address  
A001 ;  
CHS ; Selecting channels mode  
5CH ; 5 channels mode (default)  
1CH ; 1 channels mode  
2CH ; 2 channels mode  
4CH ; 4 channels mode  
8CH ; 8 channels mode

### ***Adjustment menu***

ADJ:  
GDIM: ; Gobal dimmer  
0-255 ; 0-255 grayscale  
LP01 : ; LED 1 brightness  
0-255 ; 0-255 grayscale  
LP02 : ; LED 2 brightness  
0-255 ; 0-255 grayscale  
LP03 : ; LED 3 brightness  
0-255 ; 0-255 grayscale  
LP04 : ; LED 4 brightness  
0-255 ; 0-255 grayscale  
LP05: ; LED 5 brightness  
0-255 ; 0-255 grayscale

### ***Static scene menu***

SCEN ; Static scenes  
NOM: ; Select scenes  
0-027  
GDIM ; Global dimmer  
000-255

### ***Built-in program menu***

PROG ; Built-in program  
PNU ; Select built-in program  
001-020 ;  
SPED ; Program speed  
0-255 ; 0=fastest, 255=slowest  
GDIM ; Gobal dimmer  
000-255

### ***DMX protocol***

This lighting has 3 channel modes: 1 channels mode, 2 channels mode, 4 Channels mode, 5 channels mode, 8 channels mode  
The default mode is 5 Channels Mode. If you want to alter it, enter DMX Menu.

### ***5 channels mode***

Channel	Value	Function
CH1	000~255	LED 1 brightness
CH2	000~255	LED 2 brightness
CH3	000~255	LED 3 brightness

CH4	000~255	LED 4 brightness
CH5	000~255	LED 5 brightness

**1 channels mode**

Channel	Value	Function
CH1	000~255	Strobe adjust

**2 channels mode**

Channel	Value	Function
CH1	000~255	Global dimmer
CH2	000~255	Adjust the bright time during strobe

**4 channels mode**

Channel	Value	Function
CH1	000~255	Global dimmer
CH2	000~255	Adjust the bright time during strobe
CH3	000~255	Adjust the blackout time during strobe
CH4	000~255	Built-in programs and scenes

**8 channels mode**

Channel	Value	Function
CH1:	000~255	Global dimmer
CH2	000~055	Strobe adjust
CH3	000~255	Built-in programs and scenes
CH4	000~255	LED 1 brightness
CH5	000~255	LED 2 brightness

CH6	000~255	LED 3 brightness
CH7	000~255	LED 4 brightness
CH8	000~255	LED 5 brightness

**Speciation**

**Voltage** 230V AC, 50/60Hz

**Power** 70W

**Light source** 5pcs 10Wwhite LEDs

**Dimmer** 0~100%

**DMX control** 1/2/4/5/8 selected by menu

**Working environment temperature** -20°C ~ +40°C

**Net weight** 2.5kg