

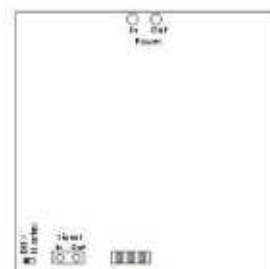
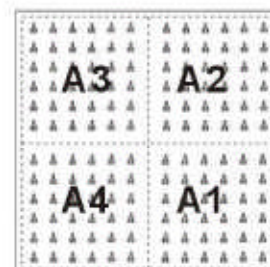
# LED PANEL-SLIM TYPE

 ITEM NO.:  
**LED PAN-50x50-slim type**

## INSTRUCTION OF LED PAN-50x50-Slim type

### A. Technical parameters

Size:	500* 500* 50mm
Weight:	3.5kgs
Material:	ABS
LED quantity:	432Pcs (R-144,G-144,B-144)
Working temp.:	-20℃ ~ 45℃
Working humidity:	0~95%
Input Volt.:	AC 100~240V
Working Volt.:	DC 24V
Working current:	1.50A
MAX Power:	36W
Protection:	IP 20



### B. Working mode

Independent mode: with remote controller  
 Master / Salve mode  
 DMX mode

### C. Function and setup

#### C-1 Independent mode

Choose the functions, pattern, combination of color and brightness as well speed, please refer more details to instruction of remoter controller.

#### C-2 Master/Salve mode

Once many pieces panel have been connected together, switch one panel to Master, and others in DMX, then the panels will work under Master/Slave mode, the remote controller is only valid to Master one, all the rest panels will synchronously work as per Master panel.

#### C-3 DMX mode

Switch the panel into DMX mode, then use the remote controller to set up the address of each panel, the digital LED on the back will show the number.

DMX channel Sheet

1st CH in DMX controller	1-50	51-100	101-150	151-200	201-255
<b>Combine</b>	<b>A1+A2+A3+A4</b>	<b>A1+A2, A3+A4</b>	<b>A1+A4, A2+A3</b>	<b>A1+A3, A2+A4</b>	<b>A1, A2, A3, A4</b>
CH1	R: 0~255	R/A1+A2: 0~255	R/A1+A4: 0~255	R/A1+A3: 0~255	R/A1: 0~255
CH2	G: 0~255	G/A1+A2: 0~255	G/A1+A4: 0~255	G/A1+A3: 0~255	G/A1: 0~255
CH3	B: 0~255	B/A1+A2: 0~255	B/A1+A4: 0~255	B/A1+A3: 0~255	B/A1: 0~255
CH4	NULL	R/A3+A4: 0~255	R/A2+A3: 0~255	R/A2+A4: 0~255	R/A2: 0~255
CH5	NULL	G/A3+A4: 0~255	G/A2+A3: 0~255	G/A2+A4: 0~255	G/A2: 0~255
CH6	NULL	B/A3+A4: 0~255	B/A2+A3: 0~255	B/A2+A4: 0~255	B/A2: 0~255
CH7	NULL	NULL	NULL	NULL	R/A3: 0~255
CH8	NULL	NULL	NULL	NULL	G/A3: 0~255
CH9	NULL	NULL	NULL	NULL	B/A3: 0~255
CH10	NULL	NULL	NULL	NULL	R/A4: 0~255
CH11	NULL	NULL	NULL	NULL	G/A4: 0~255
CH12	NULL	NULL	NULL	NULL	B/A4: 0~255

\*\*\* In order to use the pannel more conveniently, address the panel will be from 002, because the 1st Channel in DMX controller/console will be always used to define the combination of the A1,A2,A3,A4!!!

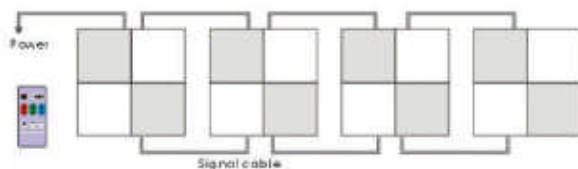
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## D. Connection:

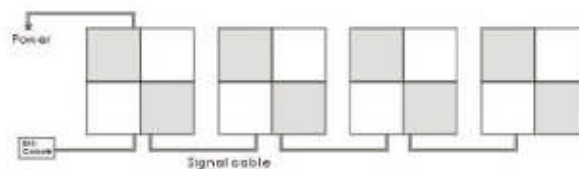
### INDEPENDENT MODE/ Master/Slave MODE (with remote controller)

- \*\*\* Signal amplifier is required between every 30 piece!!!  
 \*\*\* Only one switch in the back of panel in Master, rest in DMX position.



### DMX MODE

- \*\*\* Signal amplifier is required between every 30 piece!!!  
 \*\*\* ALL switch in the back of panel in DMX position.

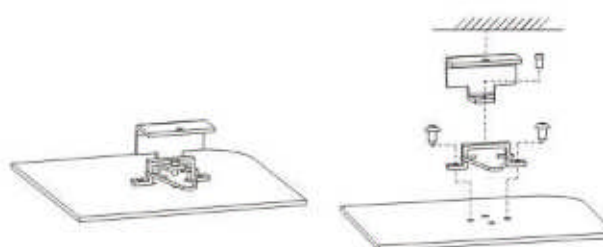


## E. Installation

Please see right picture for installation reference:

## F. Caution

1. Do not plug them into power when the Panel is still in package;
2. Make sure that the screen was safely and reliable connected.
3. Make proper steps to the connection to avoid shock;
4. Do not use the Panel when the light was damaged;
5. Make installation under guide of this manual;
6. Do not dismantle the products.



## Appendix


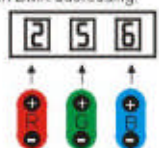
### Remoter for LED Panel-50x50-Slim

#### A. Specification and technical parameters:

- Outer size: 86x40x6.7mm  
 Signal emitting: Infrared emit  
 Power source: Cell button battery  
 Operating temperature: -20℃ ~ 45℃  
 Operating humidity: 0-95%  
 Remote Controlling distance: Max. 6 m (point to point)



#### B. Panel & Remoter


PRODUCT	SWITCH ON THE BACK OF PANEL		REMARK
	DMX	MASTER	
PANEL	1.Receiving IR signal from remoter for DMX addressing. 2.Receiving DMX signal from DMX controller via XLR-3. 3.As slave panel, receiving signal from Master panel.	1.Receiving IR signal from remoter for build-in programs. 2.As Master panel, sending signal to Slave panels, to work synchronously in built-in programs.	Master panel is forbidden used in DMX system, and more than two Master Panel is forbidden used in Master/slave mode, if under the two error mode, di, di... voice will be emitted from the panel continuously! Please correct it immediately, avoid any damage to the products!!!
REMOTER	1.All button invalid in this mode except <b>DMX</b>  2.Press button <b>DMX</b> to set up the DMX address.	1.All button is valid, sending the IR signal to panel for choosing the built-in programs adjusting parameters. Please see details via button specification sheet. 2. <b>DMX</b> is equal Auto Run, including: Strobe, static, fading and change.	When DMX addressing: 









\*\*\*Any panels can be controlled by any remoters!!!

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## C. Description of button

-  Power on/off. Please note the off status stop the signal output ONLY, please cut off the power supplier (unplugging) for saving energy. In off status, all buttons are invalid.

Button	Description		
	Selection on area combination/Option: 1: A1, 2: A2, 3: A3, 4: A4, 5: A1A2, 6: A2A3, 7: A3A4, 8: A1A4, 9: A1A3, 10: A2A4, 11: A1A2A3, 12: A2A3A4, 13: A1A3A4, 14: A1A2A4, 15: A1A2A3A4	/	Option: 1~15
	Strobe of 7 color/Option: 1: Red, 2: Green, 3: Blue, 4: Yellow, 5: Cyan, 6: Purple, 7: White, 8: Auto RUN	R: 0~255; G: 0~255 B: 0~127 ***Brightness of each options;	Speed: 0~10
	Fading of 7 color/Option: 1: Red, 2: Green, 3: Blue, 4: Yellow, 5: Cyan, 6: Purple, 7: White, 8: Auto RUN	R: 0~255; G: 0~255 B: 0~255 ***Brightness of each options;	Speed: 0~10
	Static of 7 color/Option: 1: Red, 2: Green, 3: Blue, 4: Yellow, 5: Cyan, 6: Purple, 7: White	R: 0~255; G: 0~255 B: 0~255 ***Brightness of each options;	Dimmer: 0~100
	Changing of 7 color/Option: 1: A1→A2→A3→A4 (as a big pace) 2: A4→A3→A2→A1 (at clockwise) 3: A1→A2→A3→A4 (clockwise)	R: 0~255; G: 0~255 B: 0~255 ***Brightness of each options;	Speed: 0~10
	DMX addressing/Switch in DMX position Range: 002-510	R: 0~5; G: 0~9; B: 0~9 ***Slowly it is emit LED on the back	DMX Add: 002~510
	Auto Run/Switch in Master position	R: 0~255; G: 0~255 B: 0~255 ***Brightness of each options;	Cycle: 1~10

### Cautions:

1. Please read the manual carefully before using the products.
2. Please take out of the battery from the remote controller if out of use in a long time.
3. Please change the battery if the remote controller can't control screen light fluently.
4. Do not press the Addr during application, if the address of the lighting has been set.
5. Do not shield the receiver or emitter in product.

### Warning!!!

1. The panel can be only addressed when switch position(back of panel) on DMX side, and without connection to any DMX signal or in Master/slave;
2. Please addressing the panel separately BEFORE installation, avoid any mistake or repeated work after installation; If one panel need to be re-addressed after installation, please dismantle it from system and setup the DMX address solely;
3. Remoter controller is forbidden to be used in DMX mode AFTER installation or during application!
4. When di, di, di... voice be emitted from the panels continuously, please checking the panels and correct setup immediately, so as to avoid any damage to the products!!!
5. If the panel with rear switch on DMX position cannot receive signal from DMX controller or Master panel, it will enter into blackout automatically.
6. Do not adjust Master/DMX switch on the back of panel during OFF status via button of remote controller, which will lead to failure of proper working.