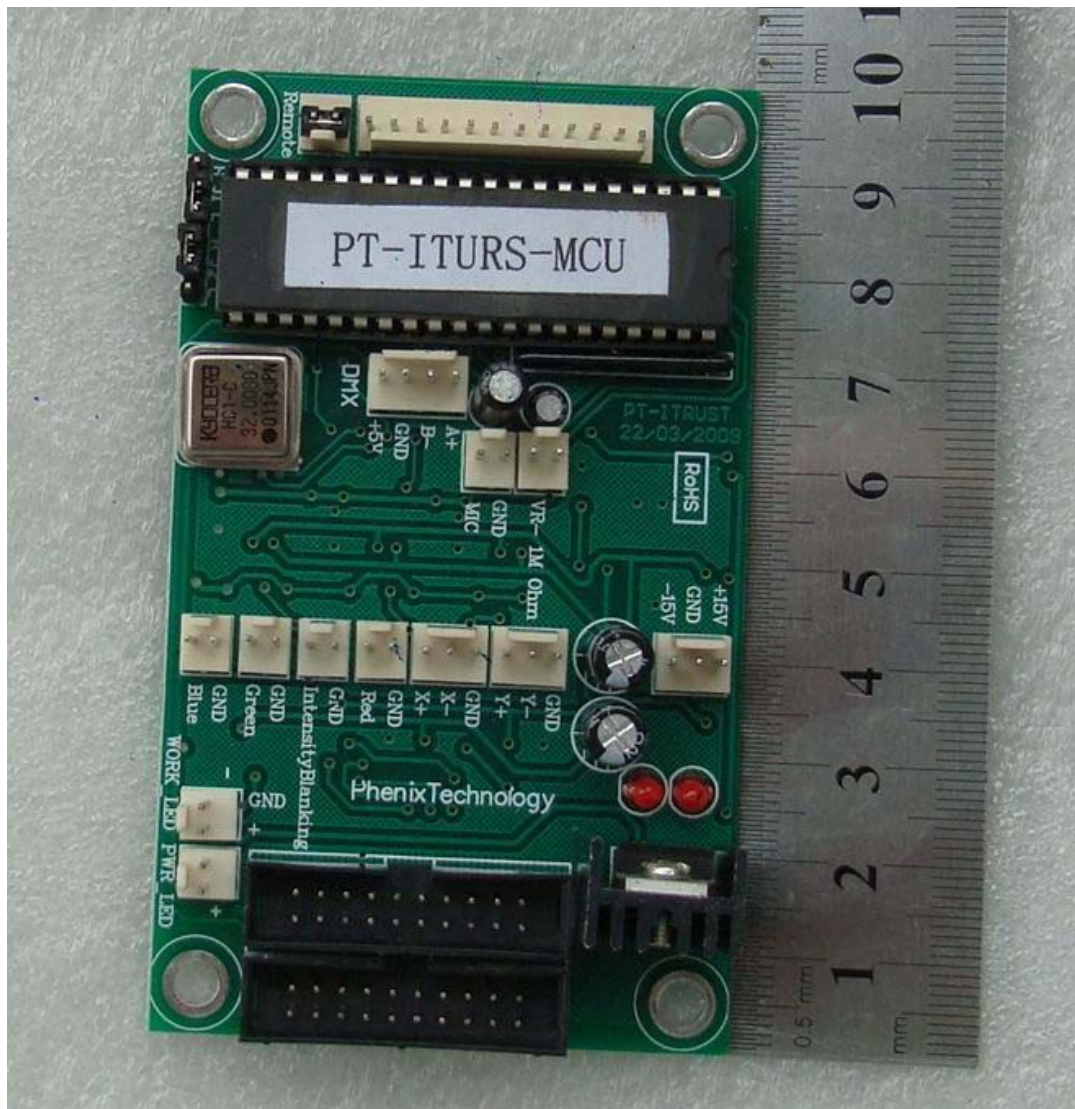


PT-ITRUST

USER MANUAL



Please read the manual carefully before you install PT-ITRUST

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Checking Parts

- 1×ILDADB-25 Connector(male)
- 1×ILDADB-25 Connector(female)
- 1×DMX512 Connector(male)
- 1×DMX512 Connector(female)
- 1×Main board
- 1×Address board
- 2×Cables Main board to ILDADB-25 Connector
- 1×Cables Main board to Address board
- 1×Cables Main board to DMX512 Connector
- 1×Cables Main board to Driver ($\pm 15V$ Power)
- 1×User manual

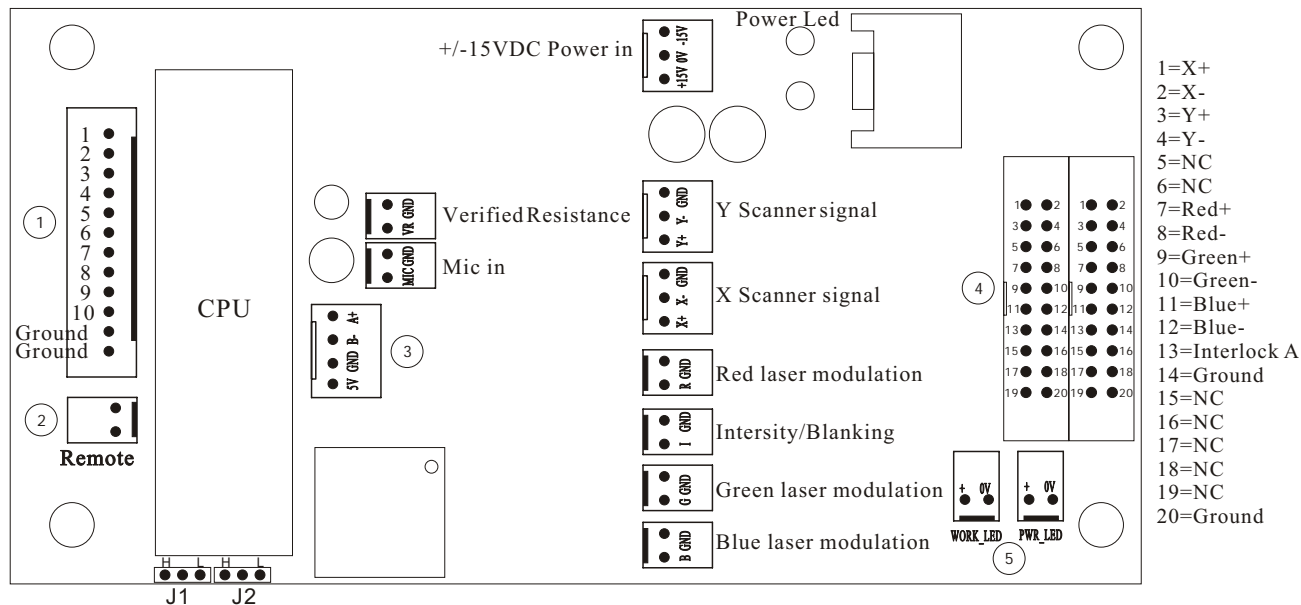
Effect:

128Gobos,Rotation,Position,Scale,Wave,Color Change etc.

Function:

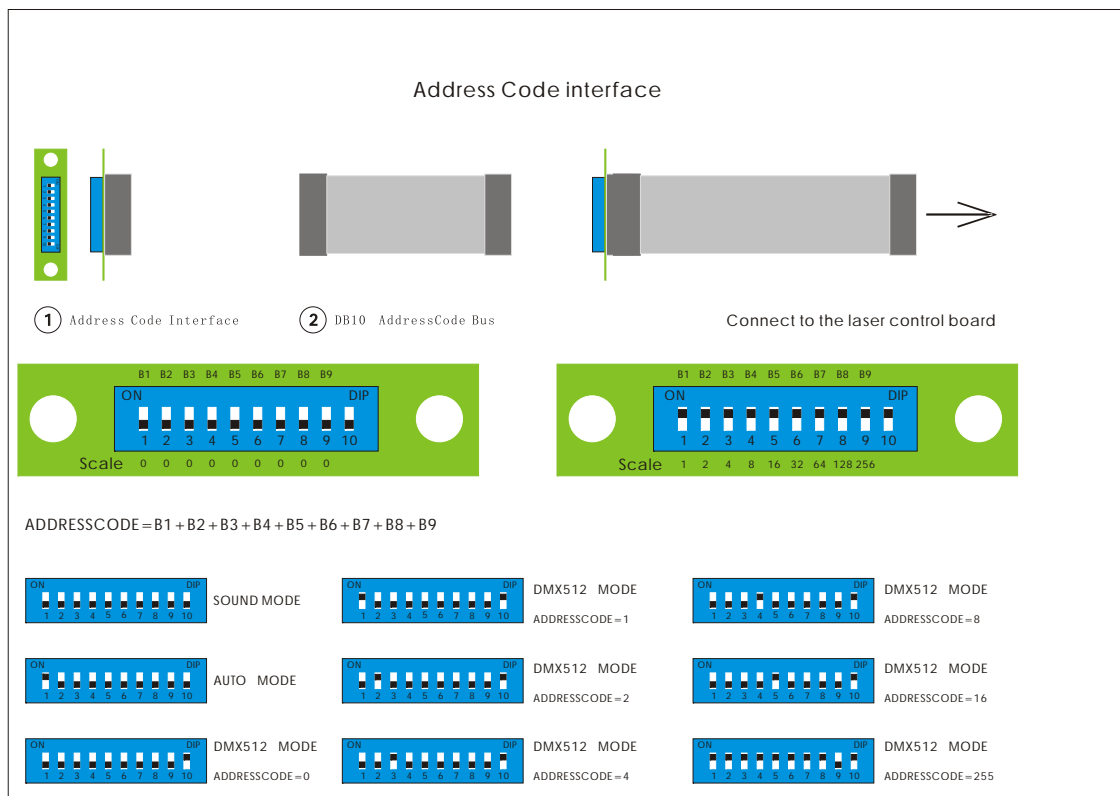
Music Active,Auto Active,DMX512,ILDADB-25 Connector

Technical detail

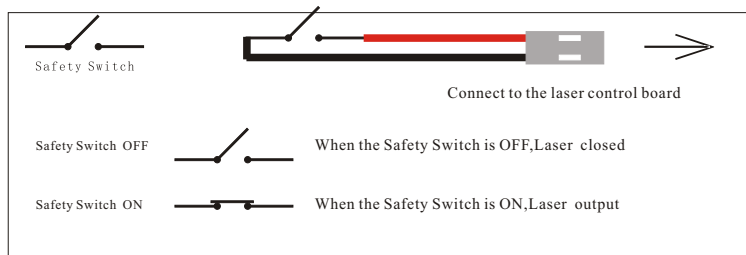


Instructions:

① Address Code interface

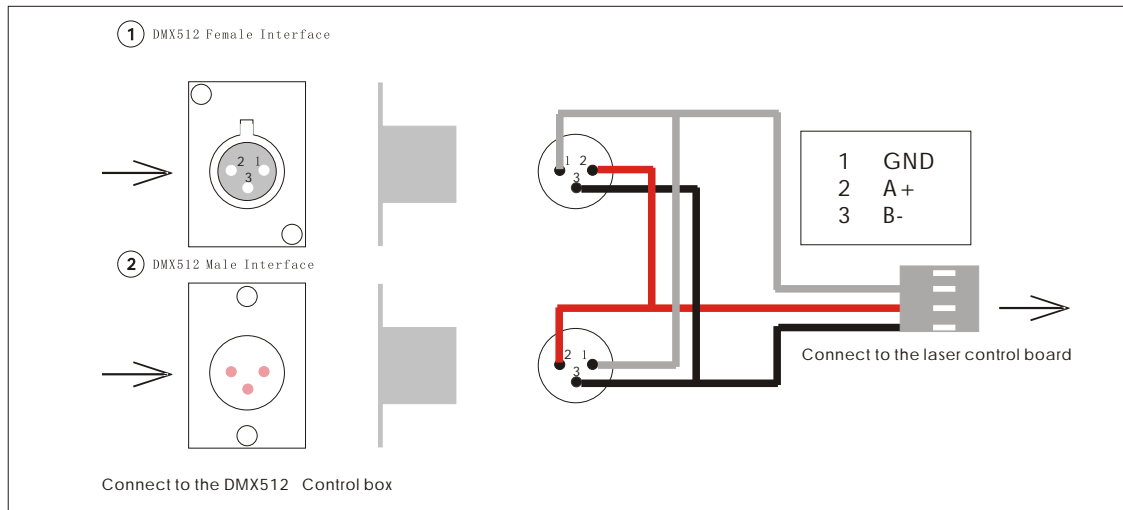


② Protective interface

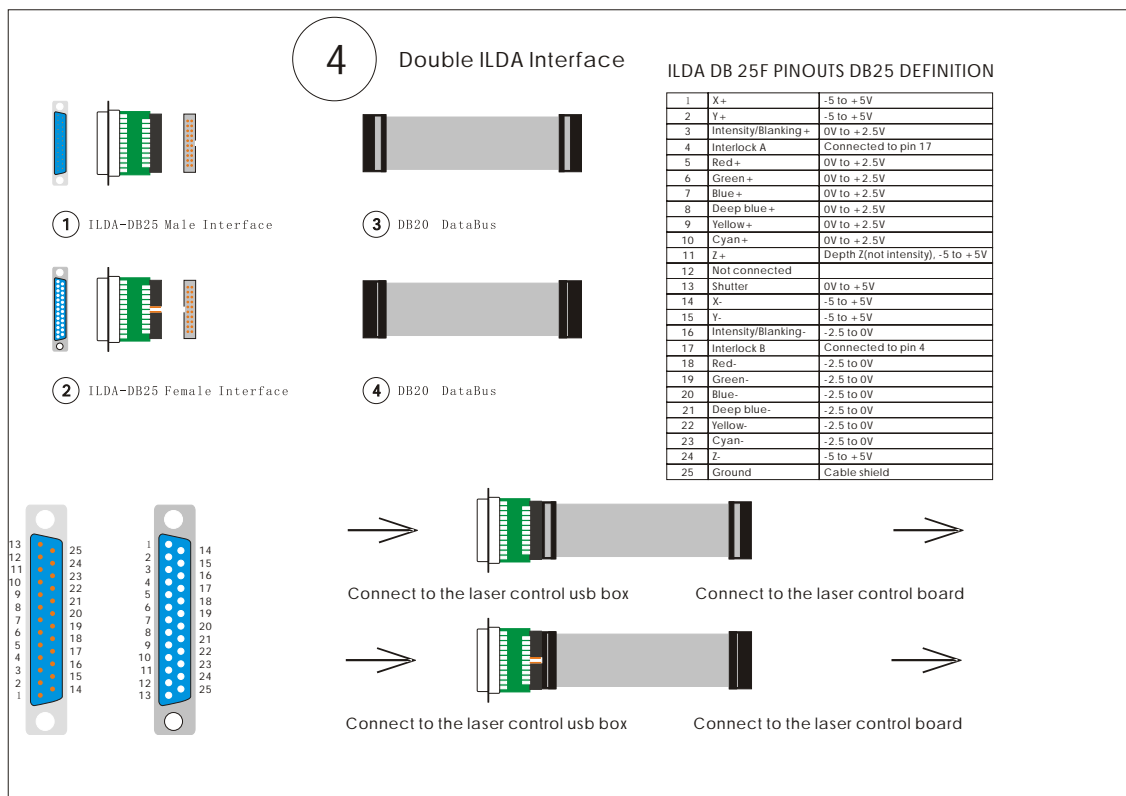


Technical detail

3 DMX512 Interface



4 Double ILDA Interface



5 Status LED

Power LED: Connect to a led, when Power input, the led will be light;
Working status LED: Connect to a led, when radiating laser, the led is lighting;


- 5、+/-15VDC Power in: +/-15VDC 0.4A
- 6、X Scanner signal: Connect to the ScannerDriverBoard X Interface;
- 7、Y Scanner signal: Connect to the ScannerDriverBoard Y Interface;
- 8、Mic in: Connect to a microphone
- 9、VerifiedResistance: adjust the sensitive for microphone, the value range of the Verified Resistance is 500Kohm to 2Mohm
- 10、Red laser modulation: range of output voltage: 0V to 5V, Connect to Red Laser Diode;
- 11、Green laser modulation: range of output voltage: 0V to 5V, Connect to Green Laser Diode;
- 12、Blue laser modulation: range of output voltage: 0V to 5V, Connect to Blue Laser Diode;
- 13、Intersity/Blanking: range of output voltage: 0V or 5V, no laser output I=0; laser output I=5V;
- 14、J1: Address Code interface, LCD interface
- 15、J2: blue modulation connect to green modulation, use for RGY laser, normal, use for RGB laser

DMX 512 channel list for RGB laser

The fixture can display two different patterns at the same time---24 channels version. And the 2nd pattern can move with the main pattern ---11 channels version. Also you can display one pattern only---13channels version. The function of each channel as following .


Channel	Function	DMX512	Specification
1	Play mode	0~0	Off
		1~63	Music mode(music active)
		64~127	Auto mode(Auto active)
		128~191	Double pattern mode(manual active)
		192~255	Wave effect mode(manual active)

Auto mode(music active)

Channel	Function	DMX512	Specification
1	Running	1~63	Running music mode
2	Speed	0~255	16 Class speed(from slow to fast) 
3	Shows	0~15	Re run all
		16~31	Re run show1
		32~47	Re run show2
		48~63	Re run show3
		64~79	Re run show4
		80~95	Re run show5
		96~111	Re run show6
		112~127	Re run show7
		128~143	Re run show8
		144~159	Re run show9
		160~175	Re run show10
		176~191	Re run show11
		192~207	Re run show12
		208~223	Re run show13
		224~239	Re run show14
		240~255	Re run show15
4	No use		No use
24	No use		No use






DMX 512 channel list for RGB laser

Auto mode(Auto active)






Channel	Function	DMX512	Specification
1	Running	64~127	Running Auto mode
2	Speed	0~255	16 Class speed(from slow to fast) 
3	Shows	0~15	Re run all
		16~31	Re run show1
		32~47	Re run show2
		48~63	Re run show3
		64~79	Re run show4
		80~95	Re run show5
		96~111	Re run show6
		112~127	Re run show7
		128~143	Re run show8
		144~159	Re run show9
		160~175	Re run show10
		176~191	Re run show11
		192~207	Re run show12
		208~223	Re run show13
		224~239	Re run show14
		240~255	Re run show15
4	No use		No use
24	No use		No use

DMX 512 channel list for RGB laser

Double pattern mode (manual active)






Channel	Function	DMX512	Specification
1	Running	128~191	Double pattern mode
2	Laser On/Off	0~127	Laser Off
		128~255	Laser On
3	Main Gobo team selection	0~255	8 gobo teams(255/32=0~7)
4	Main Gobo selection	0~255	16 gobo teams(255/16=0~15)
5	Main colour	0~31	Original color
		32~63	Red
		64~95	Yellow
		96~127	Green
		128~159	Cyan
		160~191	Blue
		192~223	Purple
6	Main Color gradual change	0~1	Original
		2~255	Color gradual change 
7	Main drawing	0~127	Manual drawing
		128~255	Gradual drawing speed 
8	Main Gobo zoom	0~127	Gobo size from big to small(manual) 
		128~191	Gobo size from big to small(auto) 
		192~255	Gobo size from small to big(auto) 
9	Main Horizontal rotation	0~127	Stationary Pan rotate angle(0~360 degree)
		128~191	Pan clockwise rotate speed
		192~255	Pan anti-clockwise rotate speed
10	Main Vertical rotation	0~127	Stationary Tilt rotate angle(0~360 degree)
		128~191	Tilt clockwise rotate speed
		192~255	Tilt anti-clockwise rotate speed
11	Main Centre rotation	0~127	Stationary centre rotate angle(0~360 degree)
		128~191	Centre clockwise rotate speed
		192~255	Centre anti-clockwise rotate speed
12	Main Horizontal move	0~127	Stationary Pan move
		128~191	Pan right move
		192~255	Pan left move
13	Main Vertical move	0~127	Stationary Tilt move
		128~191	Tilt right move
		192~255	Tilt left move

DMX 512 channel list for RGB laser

14	The 2nd Gobo team selection	0~255	8 gobo teams(255/32=0~7)
15	The 2nd Gobo selection	0~255	16 gobo teams(255/16=0~15)
16	The 2nd colour	0~31	Original color
		32~63	Red
		64~95	Yellow
		96~127	Green
		128~159	Cyan
		160~191	Blue
		192~223	Purple
		224~255	White
17	The 2nd Color gradual change	0~1	Original
		2~255	Color gradual change 
18	The 2nd drawing	0~127	Manual drawing
		128~255	Gradual drawing speed 
19	The 2nd Gobo zoom	0~127	Gobo size from big to small(manual) 
		128~191	Gobo size from big to small(auto) 
		192~255	Gobo size from small to big(auto) 
20	The 2nd Horizontal rotation	0~127	Stationary Pan rotate angle(0~360 degree)
		128~191	Pan clockwise rotate speed
		192~255	Pan anti-clockwise rotate speed
21	The 2nd Vertical rotation	0~127	Stationary Tilt rotate angle(0~360 degree)
		128~191	Tilt clockwise rotate speed
		192~255	Tilt anti-clockwise rotate speed
22	The 2nd Centre rotation	0~127	Stationary centre rotate angle(0~360 degree)
		128~191	Centre clockwise rotate speed
		192~255	Centre anti-clockwise rotate speed
23	Main pattern Horizontal move	0~127	Stationary Pan move
		128~191	Pan right move
		192~255	Pan left move
24	The 2nd Vertical move	0~127	Stationary Tilt move
		128~191	Tilt right move
		192~255	Tilt left move

DMX 512 channel list for RGB laser

Wave effect mode(manual active)

Channel	Function	DMX512	Specification
1	Running	192~255	Wave effect mode
2	Laser On/Off	0~127	Laser Off
		128~255	Laser On
3	WaveScope	0~255	From small to big 
4	WaveFrequency	0~255	From low to high 
5	colour	0~31	Original color
		32~63	Red
		64~95	Yellow
		96~127	Green
		128~159	Cyan
		160~191	Blue
		192~223	Purple
		224~255	White
6	Color gradual change	0~1	Original
		2~255	Color gradual change 
7	drawing	0~1	Original
		2~255	Manual drawing 
8	Gobo	0~255	16 Gobos (255/16)
9	Wave mode	0~63	From right to left
		64~127	From left to right
		128~191	From inside to outside
		192~255	From outside to inside
10	Wave flow speed	0~127	Wave stationary degree
		128~255	Wave flow speed 
11	No use		No use
24	No use		No use