

X-3 LED



Owner's Manual

ROBOHEAD



Thanks a lot for purchasing our LED robohead. Please read this user manual carefully and follow the instructions to avoid danger or damage to the unit due to mishandling. Keep this user guide for future reference. If you give the unit to another user, be sure that he also receives this instruction booklet.

Safety instruction



You have to carefully read the instruction, which includes important information about the installation, usage and maintenance.

- Unpack and check carefully there is no transportation damage before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit as stated in this manual.
- The unit is for indoor use only. Use it only in a dry location. Exposing the device to rain or moisture would cause the risk of electrical shock or fire.
- The unit must be installed in a location with adequate ventilation, at least 50 cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect the device from the mains power before any servicing or maintenance.
- Never sever the power cord's earth wire of any device. Otherwise a **LIFE THREATENING** situation exists!
- Replace fuse/lamp only with the same type. Do not use any other type of lamp.
- Keep any flammable material away from the unit while it is operating. Otherwise you run the risk of causing a fire.
- Use safety cables when fixing this unit.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance centre. Always use the same type spare parts.
- There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs by yourself. If the fixture shows any visible damage or if your unit may require service, please contact your dealer.
- NEVER use the unit under the following conditions:
 - > In places subject to vibrations or bumps.
 - > In places with a temperature of over 40 °C or less than 2 °C.
 - > In places subject to excessive dryness or humidity (ideal conditions are between 35% and 80%).



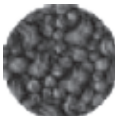





Installation

You can install the unit on the truss or ceiling. Use clamps to fix the unit to truss. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure. Also always use a safety cable that can hold 10 times of the weight of the unit when installing the fixture.

16 control channels

This device allows DMX512 control. Please see details as follow:



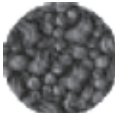





Channel	DMX value	Feature
1 PAN 1	0~255	0~540°
2 TILT	0~255	0~540°
3 PAN 2	0~255	0~540°
4 PIN 1 16bit	0~255	16bit spinner
5 TILT 16bit	0~255	16bit spinner
6 PAN 2 16bit	0~255	16bit spinner
7 PAN1/PAN2 / TILT SPEED	0~255	Fast => slow
8 COLOUR WHEEL	0~7	White
	8~15	Dark blue
	16~23	Yellow
	24~31	Pink
	32~39	Green
	40~47	Peachblow
	48~55	Blue
	56~63	Orange-red
	64~71	White + dark blue
	72~79	Dark blue + yellow
	80~87	Yellow + pink
	88~95	Pink + green
	96~103	Green + peachblow
	104~111	Peachblow + blue
	112~119	Blue + orange-red
	120~127	Orange-red + white
	128~192	Positive rainbow effect with increasing speed
	192~255	Negative rainbow effect with increasing speed

Channel	DMX value	Feature			
9 SHUTTER	0~3	Close			
	4~7	Open			
	8~215	Strobe effect with increasing speed			
	216~255	Open			
10 DIMMER	0~255	Closed => open			
11 GOBO WHEEL					
	0~7	8~15	16~23	24~31	
					
	32~39	40~47	48~55	56~63	
	64~71	Gobo 7 shake, from slow to fast			
	72~79	Gobo 6 shake, from slow to fast			
	80~87	Gobo 5 shake, from slow to fast			
	88~95	Gobo 4 shake, from slow to fast			
	96~103	Gobo 3 shake, from slow to fast			
	104~111	Gobo 2 shake, from slow to fast			
	112~119	Gobo 1 shake, from slow to fast			
	120~127	Open			
	128~191	Positive rainbow effect with increasing speed			
	192~255	Negative rainbow effect with increasing speed			
12 GOBO ROTATION	0~15	Reserved			
	16~127	Positive rotation with increasing speed			
	128~239	Negative rotation with increasing speed			
	240~255	Gobo bouncing			
13 FUNCTION	0~7	Reserved			
	8~15	Blackout at Pan1/Pan2/Tilt movement			
	16~23	Blackout at Pan1/Pan2/Tilt movement disabled			
	24~31	Blackout at Colour wheel movement			
	32~39	Blackout at Colour wheel movement disabled			
	40~47	Blackout at Gobo wheel movement			
	48~55	Blackout at Gobo wheel movement disabled			
	56~87	Reserved			
	88~95	Blackout at all movements disabled			
	96~103	Reset Pan1/Pan2/Tilt			

Channel	DMX value	Feature
13 FUNCTION	104~111	Reserved
	112~119	Reset Colour Wheel
	120~127	Reset Wheel Gobo
	128~135	Reserved
	136~143	Reset Prism
	144~151	Reset Focus
	152~159	Reset All
	160~255	Reserved
14 BUILT-IN PROGRAM	0~7	Reserved
	8~23	Built-in Program 1
	24~39	Built-in Program 2
	40~55	Built-in Program 3
	56~71	Built-in Program 4
	72~87	Built-in Program 5
	88~103	Built-in Program 6
	104~119	Built-in Program 7
	120~135	Built-in Program 8
	136~151	Sound control 1
	152~167	Sound control 2
	168~183	Sound control 3
	184~199	Sound control 4
	200~215	Sound control 5
	216~231	Sound control 6
	232~247	Sound control 7
	248~255	Sound control 8
15 PRISM	0~7	Reserved
	8~255	Prism Effect
16 FOCUS	0~255	Near => far

II control channels

This device allows DMX512 control. Please see details as follow:

Channel	DMX value	Feature			
1 PAN 1	0~255	0~540°			
2 TILT	0~255	0~540°			
3 PAN 2	0~255	0~540°			
4 COLOUR WHEEL	0~7	White			
	8~15	Dark blue			
	16~23	Yellow			
	24~31	Pink			
	32~39	Green			
	40~47	Peachblow			
	48~55	Blue			
	56~63	Orange-red			
	64~71	White + dark blue			
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	120~127	Orange-red + white			
	128~192	Positive rainbow effect with increasing speed			
	192~255	Negative rainbow effect with increasing speed			
5 SHUTTER	0~3	Close			
	4~7	Open			
	8~215	Strobe effect with increasing speed			
	216~255	Open			
6 GOBO WHEEL					
	0~7	8~15	16~23	24~31	
					
	32~39	40~47	48~55	56~63	
	64~71	Gobo 7 shake, from slow to fast			

Channel	DMX value	Feature
6 GOBO WHEEL	72~79	Gobo 6 shake, from slow to fast
	80~87	Gobo 5 shake, from slow to fast
	88~95	Gobo 4 shake, from slow to fast
	96~103	Gobo 3 shake, from slow to fast
	104~111	Gobo 2 shake, from slow to fast
	112~119	Gobo 1 shake, from slow to fast
	120~127	Open
	128~191	Positive rainbow effect with increasing speed
	192~255	Negative rainbow effect with increasing speed
7 GOBO ROTATION	0~15	Reserved
	16~127	Positive rotation with increasing speed
	128~239	Negative rotation with increasing speed
	240~255	Gobo bouncing
8 PRISM	0~7	Reserved
	8~255	Prism Effect
9 FOCUS	0~255	Near => far
10 FUNCTION	0~7	Reserved
	8~15	Blackout at Pan1/Pan2/Tilt movement
	16~23	Blackout at Pan1/Pan2/Tilt movement disabled
	24~31	Blackout at Colour wheel movement
	32~39	Blackout at Colour wheel movement disabled
	40~47	Blackout at Gobo wheel movement
	48~55	Blackout at Gobo wheel movement disabled
	56~87	Reserved
	88~95	Blackout at all movement disabled
	96~103	Reset Pan1/Pan2/Tilt
	104~111	Reserved
	112~119	Reset Colour Wheel
	120~127	Reset Wheel Gobo
	128~135	Reserved
	136~143	Reset Prism
	144~151	Reset Focus
	152~159	Reset All
	160~255	Reserved
11 BUILT-IN PROGRAM	0~7	Reserved
	8~23	Built-in Program 1
	24~39	Built-in Program 2
	40~55	Built-in Program 3

Channel	DMX value	Feature
11 BUILT-IN PROGRAM	56~71	Built-in Program 4
	72~87	Built-in Program 5
	88~103	Built-in Program 6
	104~119	Built-in Program 7
	120~135	Built-in Program 8
	136~151	Sound control 1
	152~167	Sound control 2
	168~183	Sound control 3
	184~199	Sound control 4
	200~215	Sound control 5
	216~231	Sound control 6
	232~247	Sound control 7
	248~255	Sound control 8

Password channel

This is a service function. Keep the <MODE / ESE> button pressed for about 10 seconds. Then press the <UP>/<DOWN> buttons to enter the password 2323.

P128

Adjustment for Pan 1

t128

Adjustment for Tilt

H128

Adjustment for Pan 2

C128

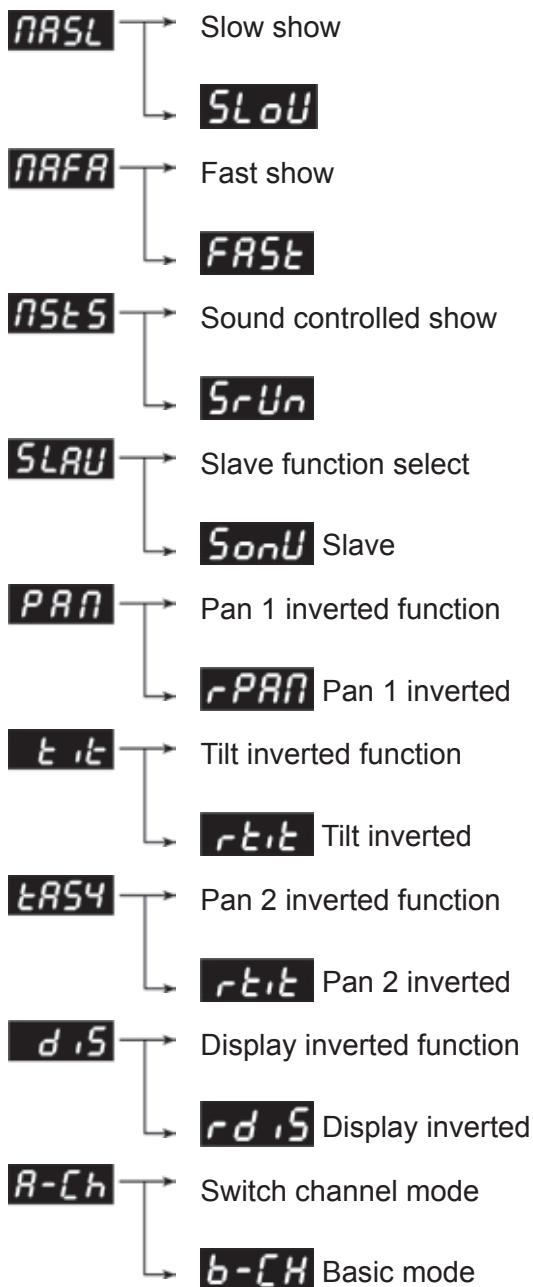
Adjustment for colour wheel

G128

Adjustment for Gobo wheel

Press the <UP>/<DOWN> button repeatedly until you reach the desired adjustment. Then press the <ENTER> button to confirm. After your confirmation the setting mode will auto exit after 10 seconds.

DMX: **2001**



PAS4 → **PAS4** PAN 1 540°
 → **PA36** PAN 1 360°
 → **PA18** PAN 1 180°

t.t → **t.54** TILT 540°
 → **t.36** TILT 360°
 → **t.18** TILT 180°

tAS4 → **tAS4** PAN 2 540°
 → **tA36** PAN 2 360°
 → **tA18** PAN 2 180°

rEst System reset

LoAd Load defaults

Maintenance and care

Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics.

- Never submerge the device in water or any other liquid. Don't let any liquid get into the housing. This would damage the unit and cause a short circuit.
- Before cleaning the device you must disconnect it from the mains. Clean the surface of the device only with a slightly damp cloth. Never use petrol, solvents or any aggressive cleaners! These could damage the surface of the unit's housing!
- Use a dry soft cloth to clean the fan and the lens periodically. So you will maintain good ventilation and an optimal illumination effect.

Technical specifications

Power supply:	AC IIS / 230 V, 60 / 50 Hz
Power consumption:	145 W
Fitting lamp:	50 W LED
DMX-control-channels:	16 or 11, selectable from control board
Colour:	7 colour + open + rainbow
Gobo-wheel:	7 gobo + open + rainbow
Shutter:	Flash rate: 0-10 Hz
Dimmer:	0~100% variable motorized dimmer
Maximum PAN 1 movement:	540°
Maximum PAN 2 movement:	540°
Maximum TILT movement:	540°
Master/Slave	activated by sound at pre-programmed function

Our products are subject to a process of continual further development. Therefore modifications to the technical features remain subject to change without further notice.

Disposal

Do not dispose of the device at the end of his operating life in your normal domestic waste. This device is subject to the European Guidelines 2002/96/EC.

- Have the product disposed of by a professional disposal company or by your communal disposal facility.
- Observe the currently applicable regulations. In case of doubt contact your disposal facility.
- Dispose of packaging materials in an environmentally responsible manner.

