ELECTROCONCEPT

SCANNER 30
CLUBSCAN 30

Instruction manual

Thank you for purchasing this product.

Please carefully read this manual before using this scanner

Responsibility :

On no account the Electroconcept company shall be held responsible for any damages of any nature whatsoever, notably the operating loss, destruction of consumables (tape, disc, CD) or any other financial loss resulting from the use or the impossibility to use your equipment. In addition Electroconcept shall not be held responsible for damages due to an improper use of this product.

Warranty :

Electroconcept products have a 2 years manufacturer warranty. The equipment shall be returned prepaid (at the customer's own expense). Any freight collect will be refused. The equipment shall be returned in its original packaging. The equipment's restitution will be at our own expense.
Are excluded from warranty: damages due to fault, negligence, lack of maintenance by the user (broken, burnt, heated, wet, sandy...etc devices), already installed devices of which the failure would originate from an improper installation or use by the customer.
This manual is an integral part of this product, you will need to keep it during all of your product shelf-life. In the event of cession of your product to a third party, you must also give this manual to this third party.

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1. Safety instructions

Please carefully read these instructions as they include

valuable information for installation, operation and   ⚠

maintenance of this device.

Warning

- Keep this manual for future consultations. If you resell your scanner to an other individual, make sure to also give him this manual.
- Unpack and carefully check that the scanner didn't take any damages during the transport before using it.
- Before any connection, make sure that both the voltage and the frequency of your power source match your scanner specifications.
- Check your device as well as your equipment's grounding.
- This device is only meant for indoor use ; protect it from heat and humidity (allowed ambient temperature from 10 to 40°C).
- The scanner must be set up in a ventilated area, at least 50cm away from any adjacent surface. Check that no ventilation hole is blocked.
- Unplug the scanner's power source before any maintenance or handling operation.
- Only replace the fuse by a fuse of the same type.
- In order to avoid any fire hazard, check for any flammable source nearby.
- Use safety cables to secure the scanner. Take into account the weight of the scanner upon positioning it on a high up structure in order to avoid the fall of the structure and thus risks of injury.
- Switch off the power and let the scanner cool down for about 15 minutes before transport, for the scanner's surface may be hot still.
- In the event of a serious functioning problem, stop immediately to use the device. Do no ever try to repair the device by yourself. Repairs made by unqualified individuals may cause damages or malfunctions. Contact the nearest approved technical support center. Always use spare parts of the same type.
- Do no connect the scanner to any dimmer or power pack.
- Do no open the device during its operation, the high voltage may cause a lethal electrical shock.
- In order to prevent or reduce risks of electrical shock or fire, do not expose the device to rain or humidity.
- Do not ever touch the led with your bare fingers after use to avoid serious injuries, for the led may be very hot still.
- Do not start the scanner without led to avoid degradation of the box..

- **Replace the box and the lenses if they are visually damaged (for example cracks or deep cuts during transport or handling). This is essential.**
- Do not look straight at the light going out of led when the scanner is switched on.
- In order to prevent any risks of electrical shock you must not remove the cover. There is no useful part for the user inside. Refer the repair to qualified personnel.

Installation

The scanner must be attached via its screw holes to the support with help of the provided hook. Always make sure the scanner is firmly attached to avoid vibrations and sliding during the operation.. Always make sure the structure to which the scanner is attached is secured and able to bear 10 times the scanner's weight.

2.   Technical specifications.

This device does not produce radio interference. This device meets European and French requirements. Compliance has been established, and statements and respective documents have been registered by the manufacturer. This device has been made for indoor decorative lighting effects.

Power supply : AC 220-250V 50/60Hz
Power: 50 W
Lamp : LED 30W
Shutter/Dimmer : Blackout, 0~100 variable strobe speed and soft transition
Movement: Pan: 180° / Tilt: 70°
Beam angle: 13,6°
Functions:
- Color wheel 7 colors+ white
- Gobos wheel 7 fixed gobos + open
- 3 facet rotating prism
- manual focus
Operating mode
-DMX control 9 or 11 channels/Stand-Alone with built-in microphone/Stand-Alone with automatic mode /Master/Slave Mode

3.Scanner starting up
3.1. Access to main functions :

Control panel:
       ”MENU“   “▼ ”   “▲”   ”ENTER”

Press the “**MENU**” button to access to functions then   « ▼ » or « ▲ » to browse through sub-menus, « **ENTER** » to confirm.“**MENU**” to go back.

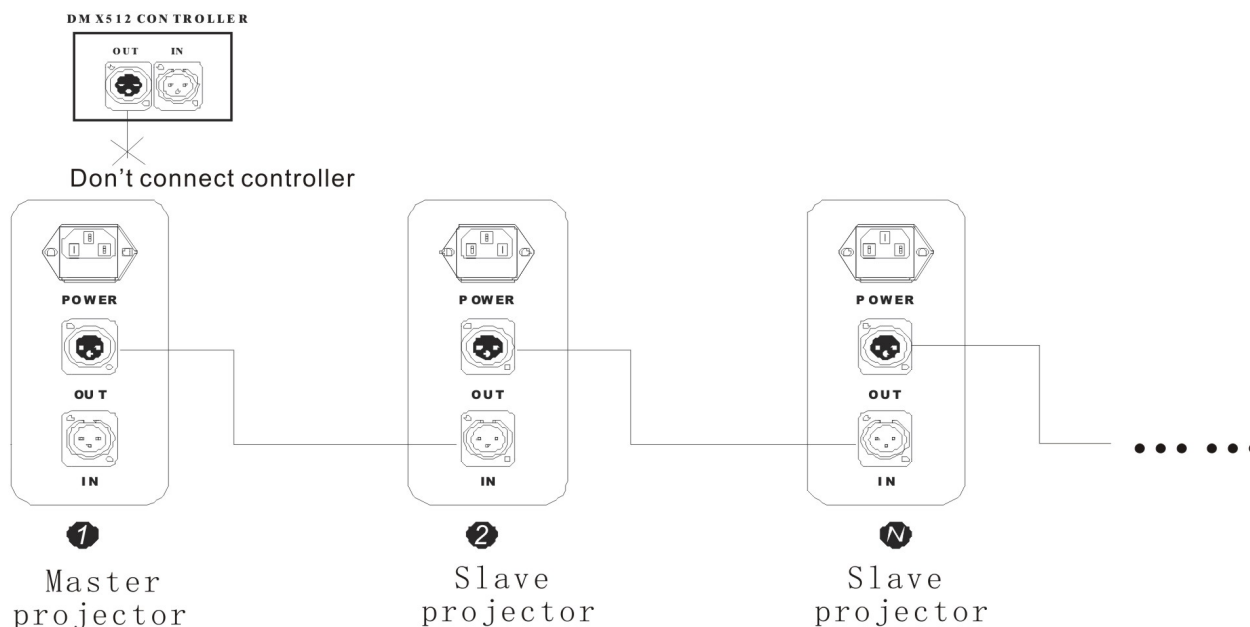2 Operating modes are available : DMX control, Stand-Alone mode

Mode	DMX
	Master Mode slave1,slave2
	Stand-Alone Mode : Auto 0/Auto 1 /Auto 2/Auto 3
	Sound Mode / volume control
	Activation/Deactivation backlight
	pan and tilt inversion
	reset configuration
DMX Set Adress	DMX address selection 001-512 (A001-A512)
Channel Set	Selection of DMX mode 9 or 11 channels
Mode Set	MAST/SL 1/SL 2 Master/Slave mode selection
Show Set	Show1/2/3/0 Auto Mode selection 0/1/2/3
Sound Sense	0-100 Micro sensitivity from 0 to 100
No DMX set	bLAc/Auto/Soun/Hlod DMX512 Mode off
Led Backlight	ON/OFF Activation/Deactivation backlight
Pan Inverse	ON/OFF pan inversion
Tilt Inverse	ON/OFF tilt inversion
Reset	ON/OFF

3.2 DMX wiring

This product uses 3-pin XRL connectors for the DMX512 connection:
Pin 1 : Ground , Pin 2 : Data (-), Pin 3 : Data (+).

Example : connection between different fixtures in Master/Slave mode:

NB : in order to reduce signal errors, think of using a plug a the end of your DMX link.

4.DMX Control channels and values　9　and 11 channels

CHANNEL	VALUE	FUNCTION
1 PAN	0-255	Pan
2 TILT	0-255	Tilt
3 Colors	0-9	White
	10-19	Red
	20-29	Green
	30-39	Blue
	40-49	Yellow
	50-59	Purple
	60-69	Light Blue
	70-79	Orange
	80-89	Orange+ Light Blue
	90-99	Light Blue + Purple
	100-109	Purple + Yellow
	110-119	Yellow + Blue
	120-129	Blue + Green
	130-139	Green+ Red
	140-255	Rotation from slow to fast
4、Gobos Wheel	0-7	white
	8-15	Gobo1
	16-23	Gobo2
	24-31	Gobo3
	32-39	Gobo4
	40-47	Gobo5
	48-55	Gobo6
	56-63	Gobo7
	64-71	white
	72-79	Gobo1 Shake
	80-87	Gobo2 Shake
	88-95	Gobo3 Shake
	96-103	Gobo4 Shake
	104-111	Gobo5 Shake
	112-119	Gobo6 Shake
	120-127	Gobo7 Shake
	128-255	Rotation from slow to fast
5 Shutter/Strobe	0-9	Shutter closed
	9-249	STROBOSCOPE from slow to fast
	250-255	Shutter open
6 Dimmer	0-255	Linear Dimmer 0-100 %
7 Pan/Tilt speed	0-255	pan/tilt speed adjustment
8 Show Modes	0-59	No Function

CHANNEL	VALUE	FUNCTION
	60-159	Programs
	160-255	Auto + Sound
9, Reset	0-20	No function
	21-100	PAN reset
	101-200	TILT reset
	201-249	PAN/TILT reset
	250-255	General reset
CHANNEL	VALUE	FUNCTION
1 PAN	0-255	Pan
2 PAN FINE	0-255	Pan 16 bits
3 TILT	0-255	Tilt
4 TILT FINE	0-255	Tilt 16 bits
5 Colors	0-9	White
	10-19	Red
	20-29	Green
	30-39	Blue
	40-49	Yellow
	50-59	Purple
	60-69	Light Blue
	70-79	Orange
	80-89	Orange+ Light Blue
	90-99	Light Blue + Purple
	100-109	Purple+ Yellow
	110-119	Yellow + Blue
	120-129	Blue + Green
	130-139	Green + Red
	140-255	Rotation from slow to fast
6、Gobos wheel	0-7	white
	8-15	Gobo1
	16-23	Gobo2
	24-31	Gobo3
	32-39	Gobo4
	40-47	Gobo5
	48-55	Gobo6
	56-63	Gobo7
	64-71	white
	72-79	Gobo1 Shake
	80-87	Gobo2 Shake
	88-95	Gobo3 Shake
	96-103	Gobo4 Shake
	104-111	Gobo5 Shake
	112-119	Gobo6 Shake
	120-127	Gobo7 Shake
	128-255	Rotation from slow to fast
7 Shutter/Strobe	0-9	Shutter closed

	9-249	STROBOSCOPE from slow to fast
	250-255	Shutter open
8 Dimmer	0-255	Linear Dimmer 0-100 %
9 Pan/Tilt speed	0-255	Pan/tilt speed adjustment
10 Show Modes	0-59	No Function
	60-159	Programs
	160-255	Auto + Sound
11 Reset	0-20	No Function
	21-100	PAN reset
	101-200	TILT reset
	201-249	PAN/TILT reset
	250-255	General reset

5. Troubleshooting

A. The scanner does not work, no lights nor fan :

1. Check the power cord and the main fuse.
2. Check that your electrical system is working.

B. No response to DMX controller

1. A dot must flash on the device control screen. If it's not the case, check if cables are properly connected and in good condition.
2. If the dot flashes, check your addressing as well as the polarity of your DMX wiring.
3. Try an other DMX controller
4. Avoid to lay your DMX cables alongside high-voltage lines to avoid interference.

C. In Master/Slave Mode some devices don't properly respond

1. Check cables and the connection diagram.
2. Check that devices are properly assigned in Master/Slave mode.

6. Cleaning

Before any cleaning operation, unplug the scanner power cord in order to avoid any electrocution risk. Cleaning the optic must be done periodically in order to optimize the scanner's brightness. The cleaning frequency depends on the operating environment. Smoke and dust may cause a large accumulation of dirt upon the scanner's optics :

- Clean it with a soft dry cloth.
- Do not use liquid or detergent products.
- Clean external lenses approximately every 20 days, with a soft dry cloth, without overly pressing on the lenses.

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