

MAINFORCE 1240

12*40W LED



USER MANUAL

Keep this manual for future needs

Caution!



Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!



Avoid looking directly into the light source!

Wear protective glasses and other PPE (personal protective equipment) when working on or near the fixture.



Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label. Make sure it is grounded when using it!

Unplug mains lead before opening the housing!

Make sure that the power cord is never crimped or damaged by sharp edges. Check the fixture and the powercord from time to time.

Make sure to replace the fuse with another of the same type and rating.



For your own safety, please read this user manual carefully before you initial start-up.

Follow operating safety precautions and pay attention to warning signs methods and equipment on the user manual.



Warning! This symbol indicates a hot surface. Certain parts of the housing can become hot during operation. After use, wait for a cool-down period of at least 10 minutes before handling or transporting the device.



Indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture. IP 20 rating.

The ambient temperature must always be between -5° C and +45° C.

Every person involved with the installation, operation and maintenance of this device has to

- be qualifie
- follow the instructions of this manua
- consider this manual o be part of the total product
- eep this manual for the entire service life of the product
- pass this manual on o every further owner or user of the product
- download the latest ersion of the user manual from the Internet

Introduction

Thank you for having chosen Mainforce 1240. You will see you acquired a powerful and versatile device. Unpack your item. Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

Safety instructions

This fixture is an extremely sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow the guidelines in this manual. The manufacturer of this device will not accept responsibility for damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual.

This device has left our premises in absolutely perfect condition. Always disconnect from the mains, when the device is not in use or before cleaning it. Keep away children and amateurs from the device! There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

Installation

Read 'Safety information' before installing the fixture

The fixture is designed for indoor use only and must be used in a dry location with adequate ventilation. Ensure that none of the fixture's ventilation slots are blocked.

Fasten the fixture to a secure structure or surface. Do not stand it on a surface or leave it where it can be moved or fall over. If you install the fixture in a location where it may cause injury or damage if it falls, secure it as directed in this user manual using a securely anchored safety cable that will hold the fixture if the primary fastening method fails.

Fastening the fixture to a flat surface

The fixture can be fastened to a hard, fixed, flat surface that is oriented at any angle. Ensure that the surface and all fasteners used can support at least 10 times the weight of all fixtures and equipment to be installed on it.

Fasten the fixture securely. Do not stand it on a surface or leave it where it can be moved or fall over. If you install the fixture in a location where it may cause injury or damage if it falls, secure it as directed below with a securely anchored safety cable that will hold the fixture if the primary fastening method fails.

Mounting the fixture on a truss

The fixture can be clamped to a truss or similar rigging structure in any orientation. When installing the fixture hanging vertically down, you can use an open-type clamp such as a G-clamp. When installing in any other orientation, you must use a half-coupler clamp that completely encircles the truss chord.

To clamp the fixture to a truss:

1. Check that the rigging structure can support at least 10 times the weight of all fixtures and equipment to be installed on it.
2. Block access under the work area.
3. Fold the legs of the mounting bracket together and bolt a rigging clamp securely to the mounting bracket. The bolt used must be M10. It must pass through both mounting bracket legs and be fastened with a self-locking nut.
4. Working from a stable platform, hang the fixture with its clamp on the truss and fasten the clamp securely.
5. Secure the fixture with a safety cable as directed below.

Securing with a safety cable

Secure the fixture with a safety cable (or other secondary attachment) that is approved for the weight of the fixture so that the safety cable will hold the fixture if a primary attachment fails.

Loop the safety cable through the eyebolt in the back of the fixture and around a secure anchoring point. Do not loop the safety cable around the fixture's mounting bracket only, as this will leave the fixture unsecured if it separates from the bracket.

Control Menu Map

Main Menu	Level 1	Level 2	Level 3
DMX Address	001-512		DMX address setting
Fixture	DMX Mode	STD	17CH
		EXT	58CH
		GUI	18CH
		HSI	11CH
	Run Mode	DMX	
		master	
		Voice	
	Pan Invert	Close	
		Open	
	Tilt Invert	Close	
		Open	
Manual	Pan	000-255	Manual
	Pan Fine	000-255	
	Tilt	000-255	
	Tilt Fine	000-255	
	Speed	000-255	
Dimmer	Dimmer	000-255	Manual Dimmer
	Dimmer Fine	000-255	
	Strobe	000-255	
	Red	000-255	
	Green	000-255	
	Blue	000-255	
	White	000-255	
	CCT	000-255	
	Color marco	000-255	
	program	000-255	
	Zoom	000-255	
	Reset	000-255	
Information	Time	On time	003H
		Total time	007H
		Power on count	073
	Sensor detection	Horizontal	normal
		Vertical	
		Focusing	
		Temperature	
		Fan sensor	
	temperature control	Temperature	xxx°C
		Fan	0000RPM
	Software Version	Screen version	V1.11
		Motor version	V3.01
		Dimming version	V1.03

reset	Password input	001-255	Factory settings
	Pan correct	127	
	Tilt correct	127	
	focus correct	127	
	Red	255	
	Green	255	
	Blue	255	
	White	255	
Lamp reset	Motor reset	execute	reset
		cancel	
	Factory settings	execute	
		cancel	
Display Settings	Language settings	Chinese	Display Settings
		English	
	Display	Reverse	
		normal	
	display mode	60s	
		Light	

DMX 通道

17CH	DMX value	Function Control
CH1	000-255	Pan 0-540°
CH2	000-255	Pan Fine
CH3	000-255	Tilt 0- 270°
CH4	000-255	Tilt Fine
CH5	000-255	Pan Tilt speed
CH6	000-255	Dimmer
CH7	000-255	Dimmer Fine
CH8	000-003	off
	004-103	Rule Strobe, Speed from slow to fast
	104-107	on
	108-207	Pulse Strobe , Speed from slow to fast
	208-212	on
	213-225	Random slow strobe
	226-238	Random medium speed strobe
	239-251	Random fast flashing
CH8	252-255	on
CH9	000-255	red
CH10	000-255	green
CH11	000-255	blue

17CH	DMX value	Function Control
CH13	000-255	CCT
CH14	000-255	Color macro function
CH15	1-100	Dreamy effect
CH15	101-200	Wave effect
	201-255	No effect
CH16	000-255	zoom
CH17	0-59	No effect
	060-099	Reset all motors
	100-200	Start the self-propelled program
	201-255	No effect

58CH	DMX value	Function Control
CH1	000-255	Pan 0-540°
CH2	000-255	Pan Fine
CH3	000-255	Tilt 0- 270°
CH4	000-255	Tilt Fine
CH5	000-255	Pan / Tilt Speed
CH6	000-255	Dimmer
CH7	000-255	Dimmer Fine
CH8	000-003	off
	004-103	Rule flashing, speed increasing from slow to fast
	104-107	on
	108-207	Pulse flicker, speed from slow to fast
	208-212	on
	213-225	Random slow strobe
	226-238	Random medium speed strobe
	239-251	Random fast flashing
	252-255	on
CH9	000-255	Red 1
CH10	000-255	Green 1
CH11	000-255	Blue 1
CH12	000-255	white 1
CH13	000-255	Red 2
CH14	000-255	Green 2
CH15	000-255	Blue 2
CH16	000-255	white 2
CH17	000-255	Red 3
CH18	000-255	Green 3

CH19	000-255	Blue 3
CH20	000-255	white 3
CH21	000-255	Red 4
CH22	000-255	Green 4
CH23	000-255	Blue 4
CH24	000-255	white 4
CH25	000-255	Red 5
CH26	000-255	Green 5
CH27	000-255	Blue 5
CH28	000-255	white 5
CH29	000-255	Red 6
CH30	000-255	Green 6
CH31	000-255	Blue 6
CH32	000-255	white 6
...	000-255	...
CH53	000-255	Red 12
CH54	000-255	Green 12
CH55	000-255	Blue 12
CH56	000-255	white 12
CH57	000-255	Zoon
CH58	000-059	No effect
	060-099	Reset all motors
	100-200	Start the self-propelled program
	201-255	No effect

CH18	DMX value	Function Control
CH1	000-255	Pan 0-540°
CH2	000-255	Pan Fine
CH3	000-255	Tilt 0- 270°
CH4	000-255	Tilt Fine
CH5	000-255	Pan / Tilt, Speed from slow to fast
CH6	000-255	Dimmer
CH7	000-003	off
	004-103	Rule flashing, speed increasing from slow to fast
	104-107	on
	108-207	Pulse flicker, speed from slow to fast
	208-212	on
	213-225	Random slow strobe
	226-238	Random medium speed strobe
	239-251	Random fast flashing
	252-255	on
CH8	000-255	Red
CH9	000-255	Green

CH10	000-255	Blue
CH11	000-255	white
CH12	000-255	Color macro function
CH13	001-006	Lamp bead 1 is on
	007-013	Lamp bead 2 is on
	014-020	Lamp bead 3 is on
	021--027	Lamp bead 4 is on
	028-034	Lamp bead 5 is on
	035--041	Lamp bead 6 is on
	042-048	Lamp bead 7 is on
	049-055	Lamp bead 8 is on
	056-062	Lamp bead 9 is on
	063-069	Lamp bead 10 is on
	070-076	Lamp bead 11 is on
	077-083	Lamp bead 12 is on
	084-090	3 Pendulum Static Shapes 1
	091-097	3 Pendulum Static Shapes 2
	098-104	3 Pendulum Static Shapes 3
	105-111	4 Pendulum Static Shapes 1
	112-118	4 Pendulum Static Shapes 2
	119-125	4 Pendulum Static Shapes 3
	126-132	3 inverted pendulum static shapes 1
	133-139	3 inverted pendulum static shapes 2
	140-146	3 inverted pendulum static shapes 3
CH13	147-153	Three static patterns in the middle
	154-160	9 static patterns on the outer ring
	161-167	Windmill static pattern
	168-174	Single flow dynamic effect
	175-181	2 dynamic effects of flowing water
	182-188	3 dynamic effects of flowing water
	189-195	3 inverted pendulum water dynamic effects
	196-202	4 Pendulum Water Flow Dynamic Effect
	203-209	3 Pendulum Water Flow Dynamic Effect
	210-216	Wave shaped dynamic flowing water effect
	217-223	Windmill rotation effect
	224-230	Dynamic effect of petal blooming
	231-237	Colorful petal blooming effect
	238-244	Colorful petal wave effect
	245-251	Color petal rotation effect
	252-255	Colorful Rotation Effect

CH14	000-255	Speed, graphic effect speed selection
CH15	000-255	Graphic background color selection
CH16	000-255	Background color brightness changes from bright to dark
CH17	000-255	focus
CH18	000-059	No effect
	060-099	Reset all motors
	100-200	Start the self-propelled program
	201-255	No effect

CH11	DMX value	Function Control
CH1	000-255	Pan 0-540°
CH2	000-255	Pan Fine
CH3	000-255	Tilt 0- 270°
CH4	000-255	Tilt Fine
CH5	000-255	Pan / Tilt, Speed from slow to fast
CH6	000-003	off
	004-103	Rule flashing, speed increasing from slow to fast
	104-107	on
	108-207	Pulse flicker, speed from slow to fast
	208-212	on
	213-225	Random slow strobe
	226-238	Random medium speed strobe
	239-251	Random fast flashing
	252-255	on
CH7	000-255	chroma
CH8	000-255	saturation
CH9	000-255	brightness
CH10	000-255	focus
CH11	000-059	No effect
	060-099	Reset all motors
CH11	100-200	Start the self-propelled program
	201-255	No effect

Fixture Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses and mirror should be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew). In heavy club use we recommend cleaning on a monthly basis. Periodic cleaning will ensure longevity, and crisp output.

To clean the fixture:

1. Disconnect the fixture from power and allow it to cool for at least 10 minutes.
2. Vacuum or gently blow away dust and loose particles from the outside of the fixture with low-pressure compressed air.
3. Clean the surfaces by wiping gently with a soft, clean lint-free cloth moistened with a weak detergent solution. Do not rub glass surfaces hard: lift particles off with a soft repeated press. Dry with a soft, clean, lint-free cloth or low-pressure compressed air. Remove stuck particles with an unscented tissue or cotton swab moistened with glass cleaner or distilled water.
4. Check that the fixture is dry before reapplying power.

Fuse Replacement

This fuse is located in a fuseholder next to the MAINS OUT socket on the connections panel.

To replace a fuse:

1. Disconnect the fixture from power and allow it to cool for at least 10 minutes.
2. Unscrew the cap of the fuseholder and remove the fuse. Replace with a fuse of the same size and rating only.
3. Reinstall the fuseholder cap before reapplying power.

Troubleshooting

Listed below are a few common problems that you may encounter, with solutions.

The fixture does not work, no light

- Check the connection of power and main fuse. Be sure the external fuse has not blown.
- Measure the mains voltage on the main connector.

No response to the sound

- Make sure the fixture does not receive DMX signal.
- Low frequencies (bass) should cause the unit to react to sound. Tapping on the microphone, quiet or high pitched sounds may not activate the unit.
- Check the sound sensitivity level. Make sure it is not set to a low sensitivity level.

Technical

Model	MAINFORCE 1240
Power supply:	AC100-240V, 50/60Hz
Light source:	12 * 40W RGBW
Zoom:	8° - 60°
Pan:	540°
Tilt:	270°
Focus:	Motorized
Power connection:	PowerCON in & out
Signal connection:	3+5 pin XLR in&out
DMX channels:	17 / 58 / 18 / 11 CH
Control mode:	DMX 512, Auto Program, Sound, Master -Slave
Housing:	Colour black
Size:	390 x 270 x 460mm(15.3 x 10.6 x 18.1in)
N.W.:	14.2kg
Environment:	IP20

Please note: All information is subject to change without prior notice.