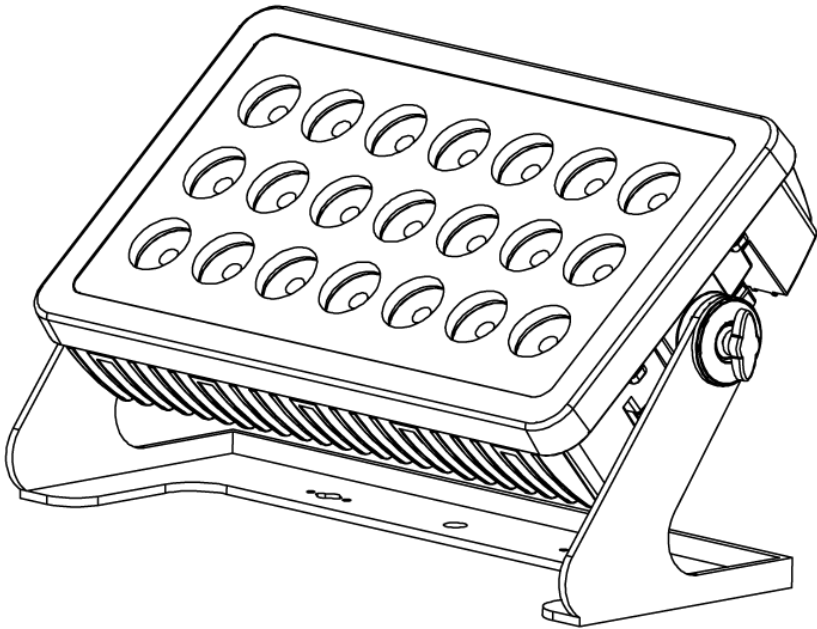




LED Flood EX 21

User Manual



SHOWPRO



LED Flood EX 21

www.showtech.com.au

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1. Safety Instructions

FOR SAFE AND EFFICIENT OPERATION

Be careful with heat and extreme temperature.

Avoid exposing it to direct rays of sun.

Operate only between 41°F/5°C and 95°F/35°C.

Keep away from humidity, water and dust.

Do not place the use in a location with high humidity or lots of dust.

It is ideal to use the Hercules away from such equipment:

Transformer motor, tuner, TV set and amplifier.

Avoid placing on un-stable location

Select a level and stable location to avoid vibration.

Do not use chemicals or volatile liquids for cleaning

Use a dry cloth to wipe off dust, or a wet soft cloth for stubborn dirt.

NO USER SERVICABLE PARTS INSIDE.

If unit is out of service, please contact your point of purchase.

If any troubles arise, remove the power plug and contact your ShowPro representative for repair. Do not open the machine by yourself, it might result a danger of electric shock.

Take care with the power cable. Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug.

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When not using the unit for an extended period of time be sure to disconnect the plug from the receptacle.

1.1 Power Connection

AC Power This product has an auto-ranging power supply that can work with an input voltage range of 100–240 VAC

AC Plug

Connection	Wire
AC Live	Brown
AC Neutral	Blue
AC Ground	Green/Yellow

1.2 Overhead Rigging

This item must be built in a way that it can hold 10 times more of its weight for 1 hour without causing any damage. The installation must be secured with a secondary safety attachment. The Safety attachment has to be constructed in a way that no part of the installation can fall. When rigging, de-rigging or servicing the fixture ensure that the area below is secure. Before putting the device into operation, the installation must be approved by an expert. The operator has to make sure that safety-relating and machine-technical installations are approved by a skilled person once a year.

IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE.

Including (but not limited to) calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installations yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and/or damage to property.

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Use only professional trussing system if the item is to be lowered from the ceiling or high joists. Never let the device swing freely in a room.

CAUTION: Overhead Items may cause serious injuries when not installed correctly!! If there is concern about the safety DO NOT INSTALL the device.

DANGER OF FIRE!

When installing the device, make sure there is no highly-flammable material (decoration articles, etc.) within a distance of min. 0.5m.

Mount the projector with the mounting bracket to your trussing system using an appropriate clamp.

For overhead use, always install a rated safety - wire that can hold at least 10 times the weight of the fixture. You must only use rated safety – wire with quick links with screw cap. Pull the rated safety - wire through the hole in the mounting bracket and over the trussing system or a safe fixation spot. Insert the end in the quick link and tighten the safety screw. The maximum drop distance must never exceed 20cm
A safety - wire which has already held the strain of a fall or which is defective must not be used again.

IMPORTANT!

Before taking into operation for the first time, the installation has to be approved by an expert.

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1.3 DMX Connection

DMX Linking the LED Flood EX 21 will work with a DMX controller using a 5-pin DMX serial connection.

DMX Connection the LED Flood EX 21 uses IP Rated 5-pin DMX data connections for its DMX personalities:

4 Ch, 6 Ch, 10Ch. See the User Manual for information about connecting and configuring the product for DMX operation.

1.4 Cleaning and Maintenance

Please make sure that safety-relating and machine-technical installations are inspected by a skilled person once a year.

1. Make sure before installing that all screws are tightly connected and not corroded.
2. There must be no deformations on the housings, fixations and installations spots
3. Any defects on the electronics, power cables or housing must be repaired for safe use.

If the exterior of the unit is going to be cleaned, please use moist, lint free cloths. Never use alcohol or solvents.

The Cooling fan must be cleaned monthly and check to ensure it is free of obstructions.

To clean the interior of the device please use a vacuum cleaner or an air jet, however we recommend cleaning the lenses weekly to ensure the best output from your unit.



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2.0 Menu Navigation

No.	Main Menu	Menu level 2	Menu level 3	Remark
	DMX Channel/Slave	d	1	
1	4 - C H	d 5 1	2	
2	6 - C H			(Default:10CH, d 1)
3	1 0 C H			
	C - -	C	1	1:R
		C	2	2:G
		C	3	3:B
		C	4	4:W
		C	5	5:GB
		C	6	6:RB
		C	7	7:RG
4		C	8	8:RGB
		C	9	9:RW
		C	1 0	10:GW
		C	1 1	11:BW
		C	1 2	12:RGW
		C	1 3	13:RBW
		C	1 4	14:GBW
		C	1 5	15:RGBW (Default: RGBW)
	P - -	P	1	
	Auto Programs	P	2	
5		P	3	(Default: P1)
		P	4	
		P	5	

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3.0 DMX Allocation

4-CH	Function	Value	Percent/Setting
1	Red	000-255	0~100%
2	Green	000-255	0~100%
3	Blue	000-255	0~100%
4	White	000-255	0~100%

6-CH	Function	Value	Percent/Setting
1	Dimmer	000-255	0~100%
2	Red	000-255	0~100%
3	Green	000-255	0~100%
4	Blue	000-255	0~100%
5	White	000-255	0~100%
6	Strobe	000-010	NO Function
		011-255	Strobe slow to fast

10CH	Function	Value	Percent/Setting
1	Dimmer	000-255	0~100%
2	Red	000-255	0~100%
3	Green	000-255	0~100%
4	Blue	000-255	0~100%
5	White	000-255	0~100%
6	Strobe	000-010	NO Function
		011-255	Strobe slow to fast
7	Color Macro+ White Balance	000-010	No Function
		011-030	R 100% G 0~100% B 0
		031-050	R 100%~0 G 100% B 0
		051-070	R 0 G 100% B 0~100%
		071-090	R 0 G 100%~0 B 100%

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		091-110	R 0~100% G 0 B 100%
		111-130	R 100% G 0 B 100%~0
		131-150	R 100% G 0~100% B 0~100%
		151-170	R 100%~0 G 100%~0 B 100%
		171-200	R 100% G 100% B 100% W:100%
		201-205	White1
		206-210	White 2
		211-215	White 3
		216-220	White 4
		221-225	White 5
		226-230	White 6
		231-235	White 7
		236-240	White 8
		241-245	White 9
		246-250	White 10
		251-255	White 11
		000-051	No Function
		052-101	Auto Program 1
8	Auto programs	102-152	Auto Program 2
		153-203	Auto Program 3
		204-254	Auto Program 4
		255	Auto Program 5
9	Auto speed Dimmer speed mode	000-255	Auto programs speed slow to fast
		000-051	Preset dimmer speed from display menu
		052-101	Dimmer speed mode off
10		102-152	Dimmer speed mode1 (fast speed)
		153-203	Dimmer speed mode2 (middle speed)
		204-255	Dimmer speed mode3 (slow speed)

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4.0 Technical Specifications

OPTICS

LED Specification	8W RGBW 4 in 1 LEDs
LED quantity	21
Field Angle	76.6°
Beam Angle	39.84 °
Output	

Control

Control method	DMX
WDMX Compatibility	N/A
DMX Channels	4,6 and 10
Dimming Curves	4 Modes
Dimming Resolution	16 bit
Data Connections	5 Pin IP Rated connectors
Menu	Touch Screen

Electrical

Power	240V IP Rated connectors
Battery Specifications	N/A
Working Hours	N/A
Charging hours	N/A
Charging	N/A
Charging during use	N/A
Input Voltage AC	100V-240V AC 50/60 Hz auto-ranging
Power Consumption	144W
Fuse	N/A

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Physical

Weight	9.18Kg
Size	482 x 266.5 x 175.6 cm
Cooling System	Fan-free convection cooled
IP Rating	IP65

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