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USER MANUAL

PAR 72 - XFP72300RGBA

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INSTRUCTIONS

Congratulations on your new acquisition of an xFocus LED product. It has been designed for years of trouble-free use. Should you have any questions regarding this product, feel free to contact us using our website at www.theatrixx.com, or by phone at 1-800-939-3077.

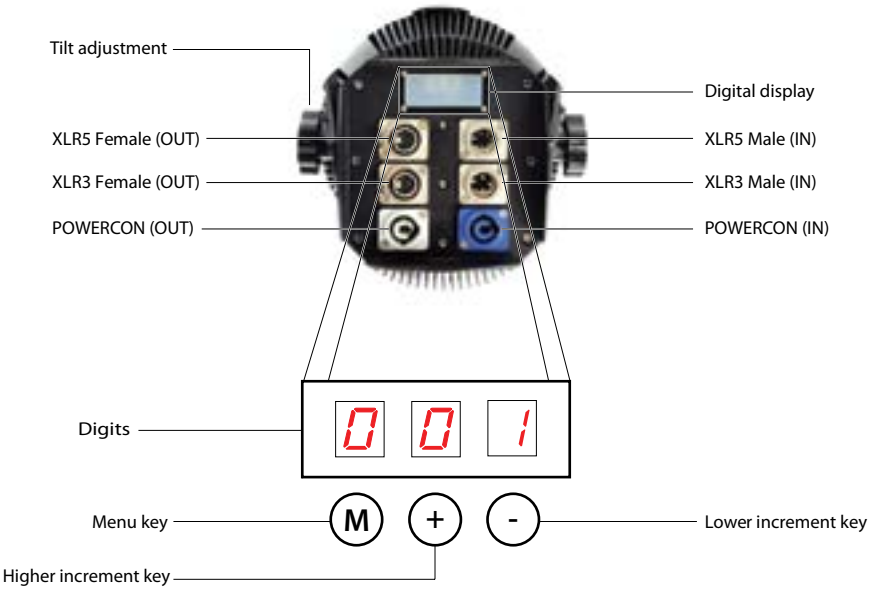
The xFocus PAR 72 is perfectly suited for many applications such as backdrop illumination, stage effects, truss toning or architectural lighting. It is controlled using a simple 3-channel DMX protocol or can be used stand-alone in a master-slave configuration.

1. Unpacking

Remove the unit from its protective Styrofoam housing and take out the plastic bag. Ensure the box contains the following:

- xFocus PAR 72 unit
- Warranty card
- This user manual

Familiarize yourself with the unit controls and connections:



CAUTION

- Do not energize the unit while it is still in its packaging.
- Do not cover the unit either totally or partially during operation.
- In the event AC cables appear damaged, do not plug in the unit in AC power and return it to your dealer for repair.

WARNING ⚠

- This unit is intended for professional use only. Not for domestic use.
- Electrical grounding must be observed at any time to avoid electrical shock.
-  This unit contains a glass lens. Use precaution when handling the unit as not to break the glass.
-  This unit emits class 2 LED radiations. Do not stare directly in the light beam at a close distance for more than 0.25s to avoid eye damage.
- This unit may emit intense heat when operated for long period of time at full power as part of its normal cooling process. Always allow adequate air flow around the unit.

2. Installation

The unit can be mounted in different ways using the yoke mounting hole at the bottom of the fixture. Any standard C-clamp type device (sold separately) may be used. The fixture may also be placed on a stable horizontal surface with no other attachment needed using the yoke as support feet.

To achieve desired tilt angle loosen both thumbscrews on either side of the yoke. Move the fixture to angle and tighten the thumbscrews once a satisfying position has been obtained.

Connect AC power using the provided Neutrik® Powercon® lead and DMX connectors (if required). You may daisy chain power for up to 4 units, while DMX data may be daisy chained for a maximum of 32 units. Always use a 120-ohm DMX line terminator on the last fixture to avoid data transmission issues.

WARNING ⚠

- Always use rated mounting hardware and accessories to avoid fatal accidents.
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Make sure mounting hardware is attached securely to all components of the installation.

3. DMX operations

This xFocus product responds to standard DMX-512A control signals. It is equipped with both 3-pin and 5-pin input/output terminals. The fixture has two DMX modes, described below:

Mode d04 :

DMX offset	Range	Function
0	0-255	Red intensity
1	0-255	Green intensity
2	0-255	Blue intensity

Mode d05 :

DMX offset	Range	Function
0	0-255	Red intensity
1	0-255	Green intensity
2	0-255	Blue intensity
3	0-255	Amber intensity
4	0-255	Master dimmer

To change the DMX mode, use the following procedure:

A. Press the "M" key 6 times or until "d04" or "d05" appears on the digital display.

B. Use the "+" or "-" keys to toggle between d04 and d05 mode

C. The changes will be stored and reflected immediately

The unit is factory-set to DMX starting address 001, but may be adjusted to any value between 001-508 using the digital display and menu buttons at the rear of the LED head :

A. Press the « A » key once to enter programming mode.
The active digit (hundreds) will begin flashing.

B. Use the « B » key to set the active digit (hundreds).
The digit will increment by 1 with every key press.

C. Press the « A » key to move on the next digit.

D. Repeat steps 2 and 3 to set the last digit of the desired DMX address.

E. The active digit will stop flashing after ten seconds of not pressing any buttons and the value will be stored in the device.

NOTE: If power is removed while the display is still flashing, the modifications will not be stored. Please ensure the display has stopped flashing before disconnecting power.

If DMX signal is lost during operation, the fixture will hold the output for 1 second, and then revert to stand-alone mode (see below).

4. Stand-alone operation

For simple setups or demonstrations purposes a stand-alone mode is included with this fixture. Stand-alone mode is automatically activated when no DMX signal is present. As soon as DMX signal is detected, the mode will exit and the fixture will revert to DMX control.

The stand-alone mode includes 6 basic static colors, a blackout mode, three different color fading chases and a special white mode with color temperature control as described below. The blackout mode is particularly useful to prevent unwanted output when DMX signal is lost.

To set the desired stand-alone mode, use a similar procedure than when setting the DMX starting address:

A. Press the « M » key 4 times or until "P" is displayed on the first digit of the display. The second digit will blink to indicate the current mode.

B. Use the « + » and "-" keys to scroll trough available modes. Refer to the table below for available modes.

C. Once the desired mode is selected, press the « M » key again to adjust the related setting for that mode.

D. Use the « + » and "-" keys to scroll trough intensity , color temperature or speed levels. Refer to the table below for available settings:

Display	Mode	Setting
P00	Black out	
P1x	Static red	9 intensity levels
P2x	Static green	9 intensity levels
P3x	Static blue	9 intensity levels
P4x	Static orange	9 intensity levels
P5x	Static magenta	9 intensity levels
P6x	Static cyan	9 intensity levels
P7x	White (see table below)	10 color temperatures
P8x	Color cycle 1 – full spectrum	10 speed levels
P9x	Color cycle 2 – warm colors	10 speed levels
PAx	Color cycle 3 – cold colors	10 speed levels

Mode 7x is a special stand-alone mode, which allows the user to adjust the color temperature of the white instead of adjusting its intensity. The 10 levels below have been carefully chosen and calibrated to match the right color temperature within 5% while offering the highest output possible. All settings offer a CRI of at least 80.

Mode	Color temp.	Red	Green	Blue	Amber
P7**0**	2400K	255	179	048	255
P7**1**	2800K	255	200	077	255
P7**2**	3200K	255	210	104	255
P7**3**	3600K	255	221	125	255
P7**4**	4000K	255	237	140	255
P7**5**	4400K	255	237	160	255
P7**6**	4800K	255	232	177	255
P7**7**	5200K	255	236	192	255
P7**8**	5600K	255	236	202	237
P7**9**	6000K	255	236	219	255

TIP : It is possible to daisy chain multiple units together when running in stand-alone mode. Simply plug the units' XLR connectors together, and set the DMX address on the master unit to 001. All other slave units should be set to a DMX address other than 001, but the exact address does not matter.

5. Specifications

- **72 LEDs** 18 red, 18 green, 18 blue, 18 amber
- **Beam angle** 28°
- **Lifetime** 50 000 hours at 70 % brightness
- **Control** DMX512A or 10 built-in programs
- **Manufacturing** Extruded machined aluminum body
- **Temperature** -30° C ~50° C
- **Max. Power consumption** 155 W
- **IP20/IP65 available** Interior only/Dust and water proof
- **Weight** 9 kg (20 lbs)
- **Package dimensions** L 292.1mm(11.5") x l 558.8mm(22") h 292.1mm(11.5")