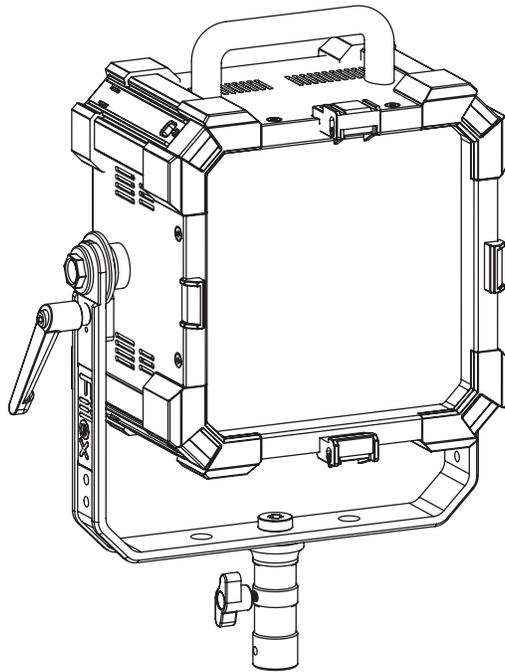


Fiilex



MATRIX II **RGBW**

FLXMXRGBW

User Manual

General Notes

- The Matrix II RGBW has been designed for professional studio and location applications and may only be operated by qualified persons.
- Please read the following operating instructions very carefully before using this fixture.
- For your own safety, please follow all safety instructions and warnings.
- Keep these operating instructions for future reference.
- For further information, contact Fiilex (fiilex@fiilex.com) or your retailer.

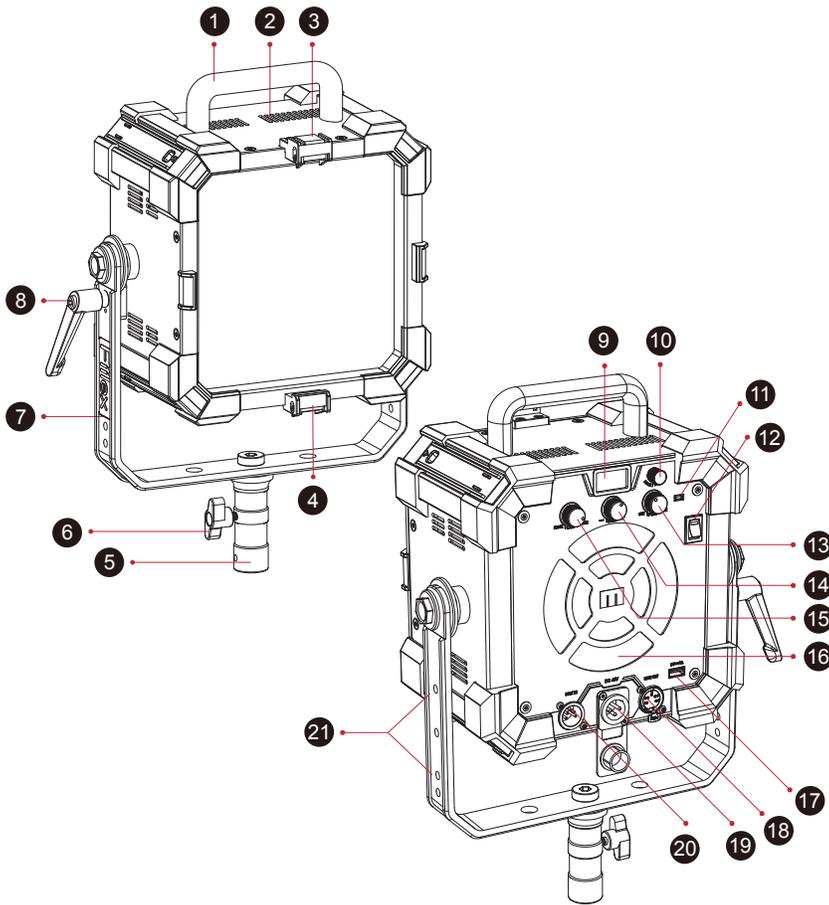
Basic Operation (refer to Parts Diagram on following page)

- **Powering On**
The Matrix II RGBW power adapter includes an AC plug for power input and a 3-pin XLR connector for output. To supply the fixture with power, insert the XLR connector into the Power Input (19) and connect the AC plug into an active wall socket. The fixture's OLED Display (9) will turn on once it is receiving power. The On/Off Switch (12) can toggle the fixture's output on and off. Settings can still be adjusted while the switch is set to off.
- **Mounting**
The Matrix II RGBW's Baby/Junior Pin (5) can be mounted to baby or junior receivers. Secure the fixture to pins with the Mount Tightening Knob (6). Remove the Mount Tightening Knob when mounting to junior receivers.
- **Adjusting the Tilt**
Use the Yoke Tightening Handle (8) to lock the fixture's tilt position.
- **DMX Interface**
The Matrix II RGBW receives DMX signals via its 5-pin XLR ports. When a DMX signal is detected the fixture will automatically enter DMX Mode and all manual controls will be deactivated. To indicate DMX Mode, the OLED Display (9) will replace the word "LOCAL" with the DMX address.
- **DMX/RDM Support**
The Matrix II RGBW is compatible with DMX/RDM (Remote Device Management) protocol. With RDM, the DMX address of the fixture can be changed remotely via the DMX signal.
- **USB Interface**
The Matrix II RGBW is equipped with a Mini USB Port (11) for updating firmware. The standard USB Port (17) provides 5V 1A power for wireless DMX antennas. Please register your product at www.fiilex.com to be informed when firmware updates are available.

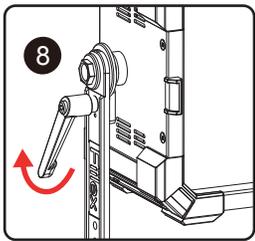


Mode	Screen Indicator	Description
Manual	LOCAL	Directly adjust the fixture's output via control knobs. Use the On/Off Switch to turn light on or off. Settings can still be adjusted while the switch is off.
DMX	DMX ###	Control via DMX. Manual control knobs become disabled. DMX Mode activates automatically when signal is detected.

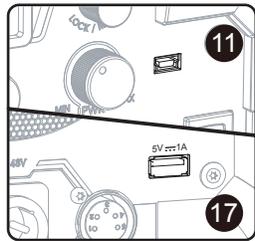
Parts Diagram



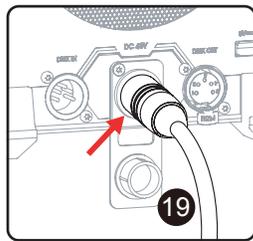
1. Top Handle
2. Heat Exhaust Vent
3. Top Accessory Latch
4. Bottom Accessory Latch
5. Baby/Junior Pin
6. Mount Tightening Knob
7. Yoke
8. Yoke Tightening Handle
9. OLED Display
10. Lock/Menu Dial
11. Mini USB Port (firmware update)
12. On/Off Switch
13. Intensity Dial
14. Gain/Saturation Dial
15. CCT/Hue Dial
16. Fan Intake Vent
17. USB Port (5V 1A power)
18. DMX Output
(5-Pin XLR-Female)
19. Power Input Port (XLR 3-Pin)
20. DMX Input (5-Pin XLR Male)
21. Power Adapter Mounting Points



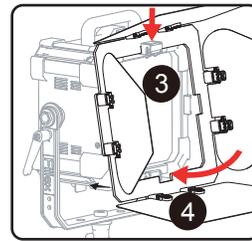
Adjusting the Matrix II
Use the Yoke Tightening Handle (8) to lock the fixture's tilt position.



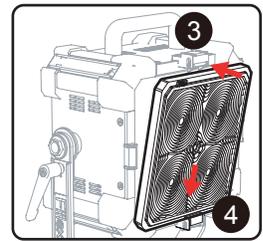
USB Interface
The Matrix II is equipped with a Mini USB Port (11) for updating firmware, as well as a standard USB Port (17) with 5V 1A power for wireless DMX antennas.



Turning the Light On
Insert the XLR 3-Pin connector into the Power Input (19). Plug the AC connector into a wall socket.



Outer Bracket Mounting
Barndoor and Speed Ring accessories mount by hanging upper indent over Top Accessory Latch (3) then pushing lower indent into Bottom Accessory Latch (4).

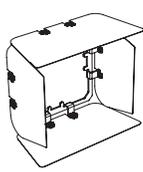


Inner Bracket Mounting
Mount the Fresnel accessory by placing its lower indent into the Bottom Accessory Latch (4). Then push the top of Fresnel into the Top Accessory Latch (3).

Compatible Accessories



Matrix Fresnel



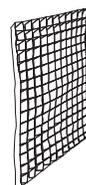
Matrix Barndoor



Matrix Speed Ring



Matrix Softbox



Grid for Matrix Softbox

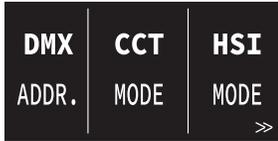


Matrix Pop-Up Softbox

Rear Panel Interface Operation

Changing Modes:

First Page of Mode Panel



1. Double click the Lock/Menu Dial (10).
2. With the same dial, scroll left or right for the desired mode.
3. Once desired mode is highlighted, click the dial once to access it.
 - Each mode has its own controls, display, and dial(s).
 - For the latest information on new modes and their DMX channels, register your fixture at www.fiilex.com.

Assigning DMX Address:

DMX Address Setting Screen



Main Screen with DMX Mode Active

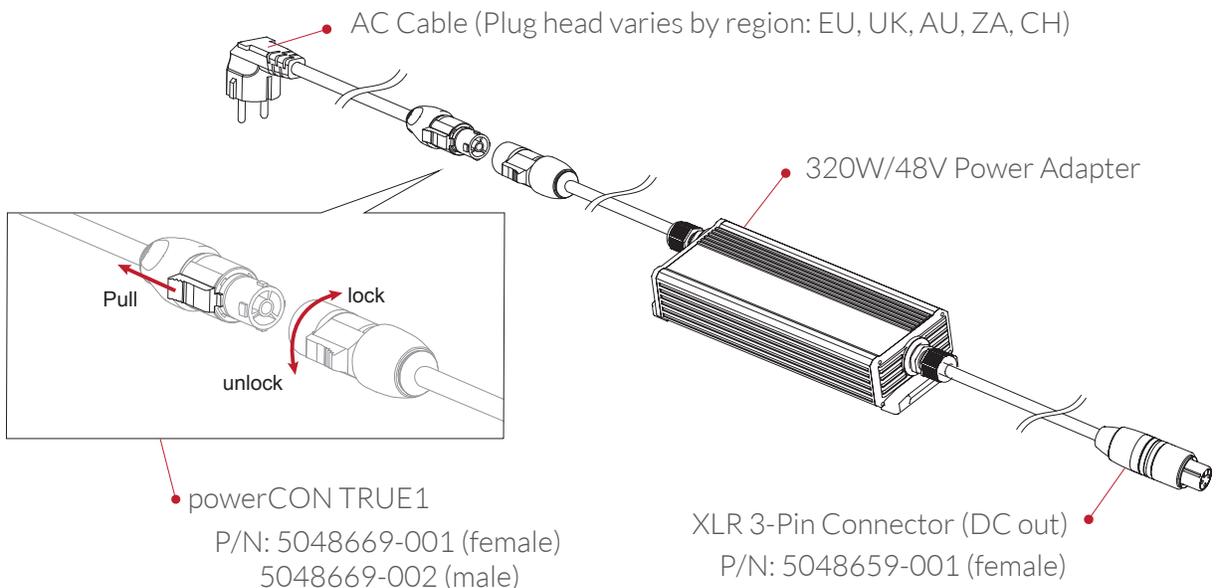


1. Double click the Lock/Menu Dial (10) and scroll all the way to the left to unlock the DMX address setting screen on the OLED Display.
2. Rotate the knob to select the desired base address (1-510).
3. Lock in setting by clicking knob once. Alternatively, the address will automatically lock in after 1 second of inactivity.
4. The Matrix II RGBW occupies a variable amount of DMX channels depending on mode. When a DMX address is selected, the Matrix II RGBW will automatically assign the other addresses in a consecutive manner. Below is a table containing two of the fixture's modes and their respective DMX channel order.
 - For adjusting fixture's DMX address via RDM, consult operating instructions for DMX/RDM control system.

Mode	DMX Channels	Description
CCT	1. Intensity 2. CCT 3. Green/Magenta	Tunable White
HSI	1. Intensity 2. Hue (color wheel) 3. Saturation	360° Color Wheel

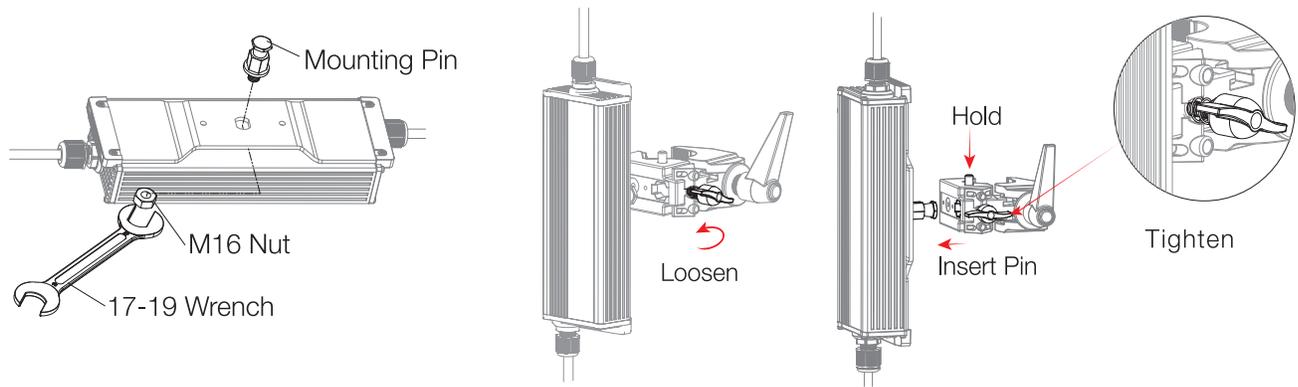
*For information on other modes and their DMX channels, visit us at www.fiilex.com

Connect AC Power Adapter to AC Cable (For regions outside of the U.S)

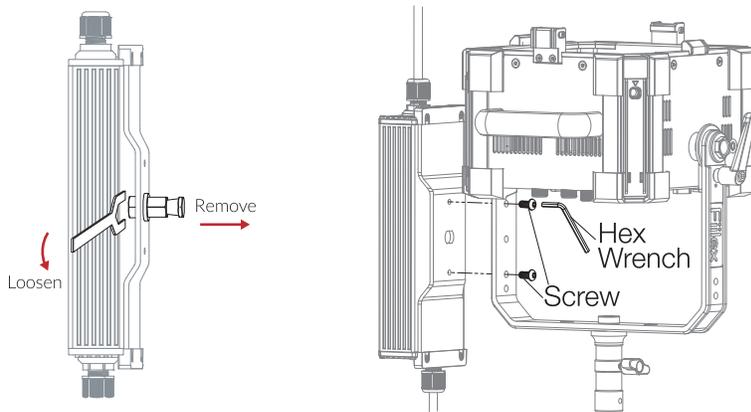


Mounting the Power Supply

Option 1: Attach Power Adapter to Clamp



Option 2: Attach Power Adapter to the Yoke



Specifications

CCT Range	2800 - 10000K Continuous Tuning
Light Engine	(Four) Dense Matrix LED
Power Draw	340W Max
DC Input	48V (300W DC Max)
AC Input	100 - 240V AC, 50 ~ 60Hz
Power Port	XLR-3P
DMX Ports	XLR-5P (In & Out)
Weight	Fixture & Yoke: 9.7lbs / 4.4kg Power Adapter 5.6lbs / 2.6kg
Size (L x W x H)	6.7in x 12.2in x 16.5in / 17.1cm x 31.0cm x 41.1cm
Mount Style	Baby Stud 5/8" Female (16mm) & Junior Stud 1-1/8" Male (28mm)
Thermal Design	Advanced Vapor Cooling System (Fan Cooled)
Operating Temperature	32 - 104°F / 0 - 40°C
IP Rating	IP-24
LED Lifetime	42,000 hours
Certifications	FCC

Safety

- CAUTION! High intensity output! - Do NOT look directly into light source.
- DO NOT point the light at combustible or flammable materials.
- DO NOT attempt to disassemble the body of the Matrix II RGBW. Doing so will void the warranty.
- DO NOT cover/block fixture's air vents.
- Use only a soft, dry towel to gently clean the exterior of the light.
- DO NOT lift or suspend the light by the power cable.
- DO NOT use the Matrix II RGBW or accessories if they display any physical damage.
- BEFORE first use, make sure to remove all protective membranes.
- DO NOT mount the Matrix II RGBW in a hanging position without a separate safety cable.
- Only use Fiilex approved accessories for the Matrix II RGBW.

Warranty

Unless otherwise stated, your product is covered by a **one year parts and labor limited warranty**. Fiilex guarantees, to the original buyer, that this product is to be free of defects in both workmanship and material for a period of one year from the date of shipment. This warranty extends to all products which have proved defective through normal use but excludes products that have been disassembled, modified or misused by the buyer or any other person. This warranty is in lieu of all other warranties, and disclaims all warranties expressed or implied, including any warranty of merchantability, fitness for a particular purpose, or arising from the course of dealing between the parties or usage of trade.

Returning an Item Under Warranty for Repair

It is necessary to obtain a Return Authorization Number (RA#) from your dealer/ point of purchase BEFORE any units are returned for repair. Fiilex will make the final determination as to whether or not the unit is covered by warranty. Fiilex will replace or repair to proper working condition any products that are returned under warranty. Products repaired or replaced under warranty are under warranty only for the remaining unexpired period of time of the original warranty.

Any Product unit or part returned to Fiilex must be packaged in a suitable manner to ensure the protection of such Product unit or parts. The package must be clearly and prominently marked to indicate that the package contains returned product units or parts with a Return Authorization (RA#) number. All returned product units or parts must be accompanied by a written explanation of the alleged problem or malfunction.



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