

Flicker 2Digital

2,000 Watt Lighting FX Generator & Dimmer

INSTRUCTION MANUAL



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INTRODUCTION

Thank you for purchasing a Magic Gadgets product! Every unit is hand assembled to ensure a quality build that will last for years. The use of high end components on the inside makes a big difference; outlasting other products many times over. Our company does not participate in mass marketed ad campaigns; we instead rely on the customer (that's you), to let everyone know how cool this gadget really is!

This device is essentially a smaller version of our popular Shadowmaker in a single channel design. You get the same Low/High set dual dimming capability. We also have the trimmer to adjust subtleness based on load connected; this is critical providing an effect window. Easily control the speed or delay with a simple turn of the knob. You can also output its effects to our PRODimmers.

Each of the 16 Pre-programmed effects has an up and down motion or flow, unlike the Shadowmaker that alternates the effect between each of its 3 channels. This provides a more realistic single channel effect; it can also be used as a single channel dimmer. We also have big power 6, 12 & 24,000 Watt models available! See features & make your selection below.

Cooling is passive but we include a fan for extreme conditions or if silence is not needed. This unit is capable of 2,000 Watts nominal and 2,400 Watts Max power handling from a standard household outlet. With proper wiring, connectors & fuses these units can easily go up to 3K. It will also dim or flicker anything that's dimmable.

Each channel has an industrial grade 5-15 input & output connector along with an overrated 40A power device. Protection is provided by a 20A fuse (fuses are fast) each time you replace them, it's like installing a new breaker, at a fraction of the cost. We also use high temperature Teflon coated wire & the best interconnects. This means your investment will last through years of use or abuse!

SAFETY FIRST!

WARNING - TO REDUCE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE. DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED TECHNICIAN.

DO NOT EXPOSE UNIT TO DIRECT SUNLIGHT OR EXTREME TEMPERATURES.

REMOVE FROM POWER BEFORE CLEANING & ONLY WITH A DRY OR SLIGHTLY DAMP CLOTH. A MILD SOLVENT (SUCH AS ISOPROPYL ALCOHOL) MAY BE USED TO REMOVE HEAVY DEPOSITS.

DO NOT BLOCK ANY VENTILATION OPENINGS. MAINTAIN A SIX INCH (152.4mm) CLEARANCE FROM ANY ITEMS THAT COULD IMPEDE COOLING.

DO NOT MODIFY THE PLUG OR SOCKET IN ANY WAY. THE GROUND PINS ARE PROVIDED FOR YOUR SAFETY. CONSULT AN ELECTRICIAN TO REPLACE AN INADEQUATE WALL OUTLET OR WALL BOX.

CONNECT AC POWER ONLY TO A MAINS SOCKET WITH A PROTECTIVE EARTHING CONNECTION & SUPPLY CIRCUIT PROTECTION I.E. CIRCUIT BREAKER, FUSE, ETC.

UNPLUG DURING LIGHTNING STORMS OR WHEN NOT BEING USED FOR A LONG PERIOD OF TIME.

ONLY USE EXTENSION CABLES THAT ARE CAPABLE OF HANDLING CURRENT REQUIRED FOR YOUR PARTICULAR APPLICATION. PROTECT POWER CORDS FROM BEING WALKED ON OR PINCHED. AVOID THE USE OF UNGROUNDED POLARIZED PLUGS; DAMAGE TO THE UNIT MAY RESULT.

CORD LENGTH AND CAPACITY CHART (FOR REFERENCE ONLY)

	25/50FT	100FT	150FT	200FT	250FT
16 GAUGE	13AMPS	10AMPS	NA	NA	NA
14 GAUGE	15AMPS	13AMPS	7AMPS	NA	NA
12 GAUGE	20AMPS	15AMPS	10AMPS	8AMPS	7AMPS
10 GAUGE	20AMPS	20AMPS	15AMPS	10AMPS	10AMPS

LONGER LENGTHS CONDUCT LESS AMPS DUE TO DROP IN VOLTAGE!

CONTROL LAYOUT AND FUNCTION

1. Low set channel (control lowest light level)
2. Input / Preheat + trimmer (pre-sets dimmer dial output)
3. High set channel (control highest light level)
4. Green & Red buttons (turns unit ON & OFF/Standby respectively)
5. Effect select switches (use to set desired effect)
6. Effect output LEDs (shows effect running)
7. Speed control (sets the speed of the effect)
8. BLF type fuse holder with 20A fast-blow fuse installed
9. NEON output indicator (glows orange with output level)
10. Ground fault indicator (flashing green) *does not indicate a high current ground

FIG. A



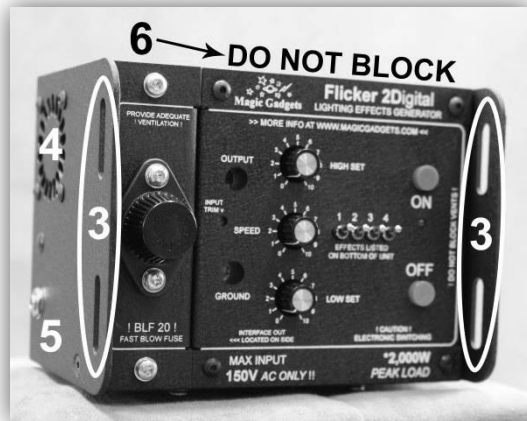
CONNECTIONS & ENCLOSURE FEATURES

1. AC INPUT (Edison type male plug for incoming AC power)
2. OUTPUT (Edison type female socket for lamp connection)
3. Chassis loops for rigging with rope, chain, steel cable, etc.
4. Fan exhaust (pulls hot air out, DO NOT BLOCK!)
5. Interface output (Send effects to PRODimmer)
6. Heat sink area on back of unit (power device cooling, DO NOT BLOCK!)

FIG. B



FIG. C



GETTING STARTED

Plug a load up to 2,400 Watts Maximum into the output (fig. B)

Make sure Low set, High set & Speed controls are at ZERO (fig. A)

Set switches 1-4 in the up position. Turn Input / Pre-heat + trim clockwise.

Using the proper gauge extension cords; apply power to the input (fig. B)

NOTE: No single effect will work for everyone; the unit must be set based on personal preference. We suggest you take some time BEFORE the day of the shoot to play with your new toy and get used to how it operates!

Press the ON button & Use switches 1-4 to select desired effect (fig. A)

DIGITAL EFFECTS LIBRARY:				
LOCK/NO FLICKER	ON	ON	ON	ON
TV/FILM LIGHT 1	OFF	ON	ON	ON
TV/FILM LIGHT 2	ON	OFF	ON	ON
TV/FILM LIGHT 3	ON	ON	OFF	ON
TV/FILM LIGHT 4	ON	ON	ON	OFF
FIRELIGHT 1	OFF	OFF	ON	ON
FIRELIGHT 2	OFF	ON	OFF	ON
FIRELIGHT 3	OFF	ON	ON	OFF
FIRELIGHT 4	ON	OFF	OFF	ON
FIRELIGHT 5	ON	OFF	ON	OFF
FIRELIGHT 6	ON	ON	OFF	OFF
LIGHTNING 1	OFF	OFF	OFF	ON
LIGHTNING 2	OFF	OFF	ON	OFF
PULSATING LIGHT 1	OFF	ON	OFF	OFF
PULSATING LIGHT 2	ON	OFF	OFF	OFF
CONSTANT BLINK	OFF	OFF	OFF	OFF

Slowly adjust High set for a more dramatic effect

Slowly adjust Low set for a more subtle effect (Use Low set for dimming!)

THE EFFECT WILL TAKE PLACE BETWEEN THESE TWO LEVELS!

Use the Speed control to adjust how fast your Flicker 2Digital runs through its effects

FOR AN EVEN MORE SUBTLE EFFECT: Make sure High set is at zero and the Low set is somewhere between 0 & 5, then turn the input trim down until the light is barely visible. This will adjust the overall scale of the effect input. It allows you to have even more precise FX adjustment. (fig. A)

TIP: Use multiple Flicker 2Digitals or our other FX devices such as the Shadowmaker or Flicker / Dimmer in combination. This will not only increase the output power available but provide added realism when creating firelight effects.

TIP: When using multiple devices, spread the lamps further apart & create a wider more active shadow motion; when the lamps are clustered together they will provide a more even effect that's less dramatic.

TIP: Also try running multiple lamps horizontally and/or vertically.

ADDITIONAL FEATURES

Use the 1/8" Interface output (fig. B) to send the effect to our PRODimmers. Connect a 1/8" 2 conductor or "mono" audio cable & plug the other end to the interface input of a PRODimmer. Or you can make your own using 2 conductor lamp cord and 1/8" MONO phone plugs; make sure to check polarity; reverse polarity could damage the unit!

COOLING FAN This unit is equipped with a fan, its use is not necessary; however we do recommend using the it at all times, especially when operating in HOT environments (ambient air temps are above 80°Fahrenheit) AND @ the rated output of 2,000 - 2,400 Watts MAX.

If you are consistently using smaller loads (1.5kW, 1kW, .5kW) or if you require absolute silence please set fan mode switch to OFF.

The fan ON/OFF switch is located inside the unit, "wait...WHAT? Why did you do that?" This is our way to stop users of rented gear from shutting the fan OFF and potentially damaging the unit from overheating.

We have seen it all from sound blankets to plastic bags, remember these items will cause overheating and the fan is there to help prevent it! THE FOLLOWING SHOULD ONLY BE DONE WHEN THE UNIT IS NOT ENERGIZED! YOU COULD BE SERIOUSLY HARMED & DAMAGE THE UNIT!



TROUBLESHOOTING

Q. Is there a minimum load?

A. No minimum load is necessary for proper operation.

Q. Will my dimmer work with other loads like LED, Fluorescent, ETC?

A. Although the unit was not designed for use with these types of loads; their use will not harm the dimmer, and my work depending on the application.

Q. I keep blowing fuses! What's wrong?

A. This is happening because there is a short in the electrical connection, either before or after the unit. Check your cables, lamps, ETC. You also may be drawing too much current by using inadequate cabling, check the cord length & capacity chart on pg.3

NOTE: 25-30A FUSES MAY BE USED IF NECESSARY!

If you are still having trouble with your Flicker 2Digital please contact us via e-mail or over the phone. All contact info is at magicgadgets.com

THE LIMITED LIFETIME WARRANTY

*Our products will be warranted for the lifetime of the unit & shall be free of any Manufacturer defects. *The Warranty card must be returned within (30) thirty days to participate in the program.*

PLEASE KEEP THIS PAGE INTACT FOR YOUR RECORDS

Our products are warranted for a period of one (1) year from the date of delivery, to the original purchaser or lessee, to be free from defects in materials or workmanship. *We will, at our option, extend this warranty beyond one year. The warranty terms stated here **MUST BE KEPT** to validate this extension.

The sole and exclusive remedy for breach of any warranty concerning the products shall be repair or replacement of defective parts at no charge to the original purchaser or lessee, at the discretion of McIntire Enterprises, Inc.

These products are designed and intended for use by competent professionals only. The individual user should determine before use whether these devices are suitable, adequate, or safe for the use intended. Because individual applications are subject to great variation, the manufacturer makes no representation or warranty as to the suitability or fitness of these devices for any specific application. Direct, incidental, special or consequential damages or losses resulting from the use, or misuse, of these devices shall be the sole responsibility of the purchaser or lessee.

(Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.)

Subjecting the units to excessively rough handling, moisture, high voltages, overloading the output, operating the unit without proper ventilation, improper packaging for shipping, damage incurred during shipping, any improper or negligent use, or any attempt to open & repair or modify the unit, or removal or obscuring of the serial number label will void the warranty. Warranty may be limited to original purchaser as shown on original invoice.

PLEASE TAKE A MOMENT AND FILL THIS OUT, YOU MAY NEED IT LATER!

OWNER: _____

SERIAL #: _____ **DATE:** _____