

ACCESSORIES

INTERFACE CABLE: 10ft (3.05M), 25' (7.62m), LONGER BY SPECIAL ORDER.

COMPATIBLE DIMMERS: MAGIC GADGETS 2K, 6K, 12K, AND 24K PRO DIMMERS, DC DIMMER.

COMPATIBLE SYNC SOURCE: MAGIC GADGETS FLICKER 2D, ANOTHER SHADOWMAKER, FLICKER 3D, RANDOM 12, PRACTICAL SWX, WIRELESS CUE LIGHT, ANY 12 VOLT (NOMINAL) NOISELESS SIGNAL SOURCE.

SHIPPING CASE: PELICAN 1200 HARD CASE HAS CUBED FOAM FOR EASY FITTING.

CONNECTOR GUARD: AN AC INPUT CONNECTOR GUARD, FOR EXTREME APPLICATIONS, STOPS GROUND PIN BREAKAGE.

REPLACEMENT PARTS:

CONTROL KNOB #4018BK
AC PLUG #1602NP
AC SOCKET #1603NS
FUSE HOLDER #571007
FUSE #BLF20F
POWER BLOCK #Q4040P
AC CONNECTOR GUARD #3002BG
INSTRUCTION/EFFECTS LIST LABEL #1201LB

WARRANTY STATEMENT

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 WILLIAM A MCINTIRE ENTERPRISES.

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.

TOYS OR TOOLS?

BOTH... TOYS WHEN ONE IS EXPLORING THEIR MANY APPLICATIONS. TOOLS WHEN THOSE APPLICATIONS SOLVE PROBLEMS ON THE JOB. PLEASE VISIT WWW.MAGICGADGETS.COM FOR UP TO DATE INFORMATION INCLUDING OPERATING INSTRUCTIONS, RESELLER AND RENTAL LOCATIONS, PRICES, AND MORE TOYS!

TRY THESE IN YOUR TOOL BOX
THEY WORK WITH SHADOWMAKER...

PRO AND PRO PLUS DIMMER*: A SINGLE CHANNEL PRECISION AC INLINE DIMMER WITH SWITCHING INTERFACE OR OPTIONAL ANALOG INTERFACE.

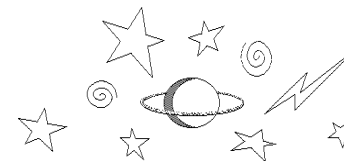
FLICKER 2 DIGITAL*: A 2,000 WATT SINGLE CHANNEL LIGHTING EFFECTS UNIT WITH HIGH AND LOW DIMMER PRESETS AND 16 EFFECTS. CONTAINS 1 SWITCHING INTERFACE OUTPUT.

RANDOM 12: TRIGGER 12 SHADOWMAKER SYNC INPUTS WITH 12 DIFFERENT SYNC PULSES!

2K FLICKER/DIMMER:** A 2,000 WATT SINGLE CHANNEL RANDOM FLICKER EFFECTS UNIT (OR DIMMER) WITH HIGH & LOW DIMMER PRESETS.

* AVAILABLE IN 2K, 6K, 12K, AND 24K MODELS

** DOES NOT HAVE AN INTERFACE OUTPUT..



Magic Gadgets

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INSTRUCTIONS and
SPECIFICATIONS
for

SHADOWMAKER

3 CHANNEL LIGHTING F/X
GENERATOR/DIMMER

ALSO WORKS WITH
MAGIC GADGETS DIMMERS

THE ONE WITH THE BEST
MOST TOYS WINS!

SAFETY

GENERAL SAFETY: DO NOT USE WHEN WET. DO NOT USE IN EXPLOSIVE ENVIRONMENT. FOR PROPER INDICATOR OPERATION, USE GROUNDED POWER SOURCE. PROVIDE ADEQUATE VENTILATION AND MAINS CIRCUIT BREAKER. **ELECTRONIC POWER SWITCHING IS USED BY THIS DEVICE. DISCONNECT FROM POWER BEFORE MAKING CONNECTIONS OR HANDLING CONNECTED EQUIPMENT AS OUTPUT MAY STILL BE ENERGIZED EVEN WHEN THE UNIT APPEARS TO BE OFF! DO NOT USE WITHOUT GROUND CONNECTED. DO NOT MAKE OR BREAK CONNECTION WITH THE UNIT ON.**

GROUND INDICATOR: THIS UNIT HAS A GROUND/VOLTAGE INDICATOR LIGHT WHICH FLASHES ONLY WHEN A GROUND IS DETECTED, HOWEVER, **THE INTERFACE CONNECTION CAN CAUSE A FALSE GROUND INDICATION. ALSO, EVEN WHEN THE GROUND INDICATOR IS WORKING IT MAY NOT INDICATE A HIGH CURRENT GROUND WHICH IS NECESSARY FOR SAFE GROUNDING. THE INDICATOR IS PROVIDED AS A CONVENIENCE RATHER THAN AN ABSOLUTE INDICATOR OF A SAFE GROUNDED CONDITION.**

VOLTAGE INDICATOR: THE GROUND/VOLTAGE INDICATOR LIGHT SHOWS CORRECT APPROXIMATE SOURCE VOLTAGE WITH A ONE FLASH PER SECOND RATE. A HIGHER VOLTAGE WILL CAUSE A FASTER FLASH AND LOWER VOLTAGE A SLOWER FLASH. IT ALSO INDICATES CORRECT INPUT POLARITY EXISTS BETWEEN THE "HOT" CONDUCTOR OF THE AC INPUT CONNECTOR AND THE EARTH/GROUND CONDUCTOR. NO INDICATION SHOWS POSSIBLE HOT/NEUTRAL REVERSAL **ON 150 VOLT UNITS ONLY.**

SPECIFICATIONS

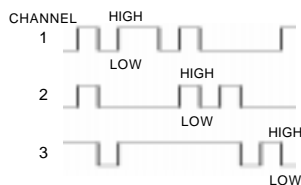
PHYSICAL: SIZE 5.6" (142mm) WIDE, 8.2" (208mm) LONG, 3.6" (91mm) HIGH (APPX.).

WEIGHT 3.5 lb (1.59kg), 4 lb (1.81kg) READY TO SHIP, 6 lb (2.72kg) IN 1200 PELICAN HARD CASE.



ELECTRICAL: POWER SOURCE: US & CANADA 150 VOLTS MAXIMUM (EUROPE 250 VOLTS MAXIMUM), AC ONLY. 2,000 WATTS PER CHANNEL MAXIMUM. USE ONLY TYPE BLF 20 AMP FAST BLOW FUSES (250 VOLT UNITS USE BLF 10). *FUSES ARE LOCATED IN THE 3 HOLDERS ON THE LEFT SIDE OF THE UNIT.* INTERFACE OUTPUT: 0.125" (3.5 mm), 2 CONDUCTOR PHONE PLUG. 10 VOLTS DC NOMINAL, 15 VOLTS MAXIMUM, 50 MILLIAMPS PER CHANNEL PEAK. TIP NEGATIVE, SLEEVE POSITIVE. SLEEVE COMMON WITH AC CONNECTOR GROUND PINS.

TECHNICAL: THE DIAGRAM BELOW ILLUSTRATES THE INTERACTIVE CHANNEL FUNCTION. ONE OF THE THREE CHANNELS MAY BE ON AND ANOTHER OFF OR CHANGING STATE DURING THE SEQUENCE OF THE SELECTED PROGRAM.



OPERATION

PROVIDE ADEQUATE VENTILATION AND MAINS BREAKER. CHANNEL #1 SUPPLIES POWER TO THE CONTROL SYSTEM, IT MUST BE CONNECTED TO POWER FOR THE UNIT TO OPERATE PROPERLY. SET EFFECT SELECT SWITCHES 1 THRU 4 UP (NO FLICKER), PRESS "ON", LAMPS SHOULD LIGHT, SET "HIGH" KNOBS FOR HIGHEST LIGHT LEVEL. SELECT EFFECT, SET "LOW" KNOBS FOR LOWEST LIGHT LEVEL. EFFECT WILL TAKE PLACE BETWEEN THE TWO SETTINGS. ADJUST SPEED TO DESIRED RATE. TO ALLOW EXTERNAL SYNC, THE SYNC SWITCH MUST BE IN THE EXTERNAL POSITION. GREEN LAMP FLASHES AT 1 HZ IF UNIT IS GROUNDED (NO INTERFACE CONNECTED) & VOLTAGE IS 120.

SWITCH NUMBER				EFFECT SELECTED
1	2	3	4	
ON	ON	ON	ON	FULL ON (NO FLICKER)
OFF	ON	ON	ON	ON CHASE, R TO L
ON	OFF	ON	ON	ON CHASE, L TO R
ON	ON	OFF	ON	OFF CHASE, R TO L
ON	ON	ON	OFF	OFF CHASE, L TO R
OFF	OFF	ON	ON	ON CHASE, L R L R
OFF	ON	OFF	ON	BLINKING LIGHT
OFF	ON	ON	OFF	LIGHTNING 1
ON	OFF	OFF	ON	LIGHTNING 2
ON	OFF	ON	OFF	TV/FILM LIGHT 1
ON	ON	OFF	OFF	TV/FILM LIGHT 2
OFF	OFF	OFF	ON	TV/FILM LIGHT 3
OFF	OFF	ON	OFF	CANDLELIGHT 1
OFF	ON	OFF	OFF	CANDLELIGHT 2
ON	OFF	OFF	OFF	FIRELIGHT 1
OFF	OFF	OFF	OFF	FIRELIGHT 2

DIMMERS CONNECTED TO THE INTERFACE MUST HAVE THE RESIDENT ON/OFF SWITCH TURNED OFF BEFORE THE INTERFACE WILL OPERATE.

TRICKS

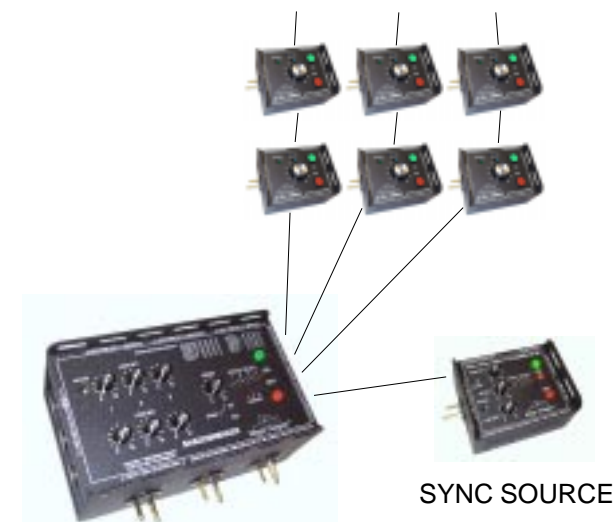
THE INTERFACE ENABLES THE RESIDENT DIMMER CONTROL IN OUR 2K, 6K, AND 12K PRO DIMMERS. BY PRESETTING THE DIMMER THEN APPLYING THE INTERFACE CONTROL VOLTAGE THE DIMMER TURNS ON TO THE LEVEL THAT WAS PREVIOUSLY SET.

THE INTERFACE & SYNC

THERE ARE 3 INTERFACE OUTPUTS ON THE UNIT EACH FOLLOWING ON AND OFF WITH THE RESPECTIVE CHANNEL. EACH OUTPUT CAN CONTROL ONE DIMMER, OR SEVERAL, BY USING THE INPUT LOOP ON THE DIMMER. BY CONNECTING ONE INTERFACE LOOP TO THE NEXT, MANY DIMMERS CAN BE ENABLED BY EACH OUTPUT.

-THE EXTERNAL SYNC INPUT (SWITCH) DISABLES THE INTERNAL SPEED CONTROL FOR AN EXTERNAL SOURCE. THIS CAN BE ANOTHER MAGIC GADGET WITH INTERFACE OUTPUT SUCH AS FLICKER 2D, A NOMINAL 12 VOLT PULSE SOURCE, OR A SWITCHING SOURCE SUCH AS ANIMATION OR MOTION CONTROL EQUIPMENT. WITH EACH POSITIVE GOING PULSE EDGE THE EFFECT WILL STEP 1 POSITION. 256 PULSES RETURNS THE MEMORY (RESET) TO THE BEGINNING OF THE PROGRAM.

TO NEXT DIMMER (S) IN CHAIN



SYNC SOURCE

CAUTION: CONNECT INTERFACE OUTPUT ONLY TO MAGIC GADGETS DEVICES. CONNECTING OTHER LOAD DEVICES TO THE OUTPUTS CAN DAMAGE THE UNITS CONNECTED. CONNECT SYNC INPUT ONLY TO RATED VOLTAGE SYNC SOURCES.