

# Portable Dimmers

- 4 Channels
- 600W per Channel
- Built in Control
- 8 Built in Chases
- Relay Mode Switchable
- DMX-512 Protocol
- 5 Amp Fuses
- Edison Output
- 120V

**AS40M**  
Portable Dimmer



The AS40M is a compact portable 4 channel light dimmer. It has a maximum capacity of 600 Watts per channel and maximum TOTAL load capacity of 2400 Watts. It is supplied with an input power cord which may be connected to a 120 VAC, 20 Amp power circuit. The unit operates using the USITT DMX-512 protocol. The AS40M may be operated in a relay (non-dim) mode. The unit will also function as a stand alone chaser and has eight primary preset chase patterns which may be used. An additional manual operating mode is available which enables the unit to function as a stand alone dimmer with manual control of each channel.

SPECIFICATIONS			
Channels:	4	Addressing:	512 Channels
Load Capacity:	600 Watts per Channel 2400 Watts Total	Control Connections:	Dual 5 Pin XLR Connectors
Control Protocol:	Manual Local / DMX-512	Filter Rise Time:	150 Microseconds
Power Requirements:	120VAC 50/60Hz, 20 Amps	Curve:	Modified Square Law
External Fuses:	5 Amp, 250V each Channel	Response Time:	8.3 Milliseconds
Full Load Voltage Drop:	3VAC	Conduction Angle:	0 - 180 Degrees
Efficiency:	97%	Size:	9"H x 8"W x 2.25"D
		Weight:	3.7 Pounds

## Architect & Engineer's Specifications

The dimming system shall have built-in manual control or DMX-512 control and shall have 4 circuits with a load capacity of 600 Watts per circuit. The dimming system is addressable up to 512 channels and has a built-in stand alone chaser mode which provides 8 chase patterns. The dimming system may also be switched to a relay (non dim) mode in groups of 2 channels for ON/OFF control. Each circuit is protected by a 5 Amp fuse. An allowance of 200% overhead capacity is employed in the triac circuit design, 15 Amps per circuit and an overhead of up to 400 Volts per circuit. The dimming system shall have a rise time of not less than 150 microseconds. The dimming system shall use the USITT standard DMX-512 protocol, on a 5 pin XLR type connector for direct control of the dimming circuits.

Power requirements of the dimming system shall be 120VAC single ended operation. Capacity shall be 20 Amps. A microprocessor auto senses line frequency and will operate on 50Hz or 60Hz. Load output connectors shall be of Edison style connectors. Input electrical connections are made through 1 pigtail with connector determined when purchased. The dimming system is to be mounted using standard lighting equipment clamps. All components and sub-systems of the dimming system shall be UL 508 compliant when specified by the user and conform to the standards set forth.

Dimensions are 9"H, 8"W, 2.25"D; the weight shall be 3.7 lbs.

The dimming system shall be a Lightronics AS40M.

To view and/or download the Owner's Manual click here: [www.lightronics.com/manuals/as40mm.pdf](http://www.lightronics.com/manuals/as40mm.pdf)