

**the
MAX™**

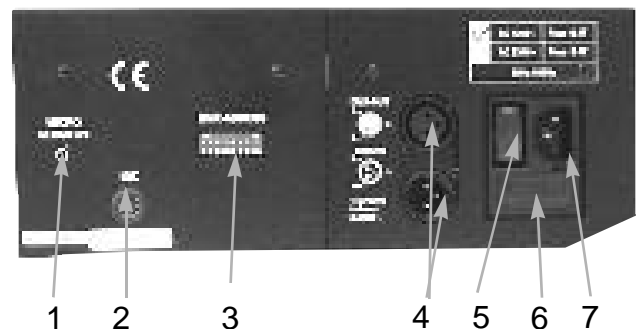


Thank you for purchasing this American DJ® product. Some setup required. Please read the following instructions before installing or using your new unit.

Control Panel

HALOGEN LAMP WARNING!

This fixture is fitted with a halogen lamp which is highly susceptible to damage if improperly handled. Never touch lamp with bare fingers as the oil from your hands will shorten lamp life. Also, never move fixture until lamp has had ample time to cool. Remember, lamps are not covered under warranty conditions.



- 1: MIC SENSITIVITY ADJUSTMENT
- 2: MICROPHONE
- 3: DMX / MASTER SLAVE SETTINGS
- 4: DMX INPUT / OUTPUT
- 5: POWER SWITCH
- 6: FUSE HOLDER Dual 6.3A
- 7: POWER CONNECTION

THE MAX™ Features

- 20 Dichroic Colors + White / Split colors
- 21 Gobos plus Spot on separate wheel
- 360 degree rotation of Yoke and Base
- High speed Shutter
- Strobes in every Color
- 16 flashes per second
- Variable Speeds
- Pan 120 rpm (20,000 steps)
- Tilt 60 rpm (38,400 steps)
- DMX-512 Protocol

THE MAX™ Specifications

Voltage: 120V 50/60 Hz
Dimensions: 12" x 7" x 7"
Lamp: ZB-ELC 250W 24V
Weight: 22 lbs.
Fuse: Dual 6.3A

Precautions:

1. Never operate unit when case is open.
2. Never cover unit as this may block air vents and cause overheating and possible fire hazard.
3. Never operate unit in the rain or in damp moist conditions as this could cause electric shock.
4. Follow standard electrical safety precautions when installing, operating or servicing the unit to prevent electrical shock, fire, or equipment damage.
5. Make sure head and yoke rotate freely
6. These units are for commercial use and contain no user-serviceable parts inside. Servicing must be conducted by qualified service personnel.

Lamp Replacement:

Remove knurled knob on top of unit.
Remove top cover.
Remove and replace lamp.

Make sure to clean fan openings, air channels and fan gratings at regular intervals

Getting Started

Section 1

Inspection

Every MAX™ projector has been thoroughly tested and shipped in perfect condition. Carefully unpack the projector and remove the bag with components from the carton. Inspect equipment for shipping damage.

Packing list:

1. The Max™ Projector
2. IEC power cord
3. Operating manual
4. MC-10 XLR female to male 10' cable

Caution:

ALWAYS LIFT AND MOVE THE UNIT BY ITS BASE AND NEVER BY THE YOKE OR HEAD!

Projector Installation

1. Unit can be hung or placed in any position.
2. Make sure to use a minimum 35Kg rated clamp, and are mounted securely and safety wire is used
3. Allow enough space on all sides for proper cooling.
4. Connect IEC power cord to side of unit. **(7)**
5. Plug cord into properly grounded socket.

*Check that the voltage marked on the back of unit is correct for your area.

6. Set the DMX ADDRESS **(3)** on control panel to desired settings (ie. Sound controlled and or master / slave, DMX address). Refer to side panel for settings.
7. Turn on power switch, lamp will light and unit will make a clicking noise and reset and wait for signal from controller

*The shutter is closed in stand-by mode, so it will be difficult to tell if the lamp is lit without a controller.

8. If stand-alone mode is chosen (10,1 on), unit will start a pre-programmed show any other units connected to this will sync with the master unit.
9. If Stand-alone mode with sound activation is chosen (10 on), unit will wait for sound to start a pre-programmed show and will operate as long as it senses sound.

* Unit may smoke for a few minutes until dust and excess paint is burned off by the lamp.

Lens Focusing

1. Hang fixture in its final position
2. If no controller is used set Function DIP switch 10 to on and turn sensitivity to minimum.
3. Projector shutter will open and Pan and Tilt will be set to center and a Gobo will be selected.
4. Lightly tap on mic until desired position is achieved.
5. Adjust lens until sharp focus is obtained.

Section 2

DMX512 Operation

1. Connect The MAX™ fixture to a DMX Controller with a minimum 8 channels.
2. Continue to connect together all the fixtures using 3 pin XLR data cables.
3. Set the DMX address for each fixture using the 9 pin DIP switch on the side control panel.
Each fixture uses 8 DMX-512 channels;

CH1: Pan, CH2: Tilt, CH3: Pan Speed, CH4: Tilt Speed,
CH5: Special Pan and Tilt Control, CH6: Color, CH7: Gobo, CH8: Shutter

DMX-512 Addressing

You must select the proper DMX-512 address for each MAX™ projector.

Follow the settings on the side of the base of The MAX™

On The Following pages you will see the approximate values required to control the various functions of The Max™

CHANNEL	DESCRIPTION		VALUES
1) PAN	PAN (BASE)		0-255
2) TILT	TILT (HEAD)		0-255
3) PAN SPEED	PAN SPEED (SLOW> FAST)		0-255
4) TILT SPEED	TILT SPEED (SLOW> FAST)		0-255
5) SPECIAL	PAN	TILT	
	MIN	MIN	0-15
	MIN	MAX	16-31
	MAX	MIN	32-47
	MAX	MAX	48-63
	CONTINUOUS(COUNTER CLOCKWISE)	MIN	64-79
	CONTINUOUS(COUNTER CLOCKWISE)	MAX	80-95
	CONTINUOUS (CLOCKWISE)	MIN	96-111
	CONTINUOUS (CLOCKWISE)	MAX	112-127
	MIN	CONTINUOUS(COUNTER CLOCKWISE)	128-143
	MAX	CONTINUOUS(COUNTER CLOCKWISE)	144-159
	MIN	CONTINUOUS (CLOCKWISE)	160-175
	MAX	CONTINUOUS (CLOCKWISE)	176-191
	CONTINUOUS(COUNTER CLOCKWISE)	CONTINUOUS(COUNTER CLOCKWISE)	192-207
	CONTINUOUS (CLOCKWISE)	CONTINUOUS(COUNTER CLOCKWISE)	208-223
	CONTINUOUS(COUNTER CLOCKWISE)	CONTINUOUS (CLOCKWISE)	224-239
	CONTINUOUS (CLOCKWISE)	CONTINUOUS (CLOCKWISE)	240-254
RESET ALL FUNCTIONS			255

CHANNEL	DESCRIPTION	VALUES
6) COLOR WHEEL	WHITE (COLOR CORRECT FILTER)	0-3
	WHITE (COLOR CORRECT FILTER)/PURPLE	4-7 SPLIT COLOR
	PURPLE	8-11
	PURPLE / VIOLET	12-15 SPLIT COLOR
	VIOLET	16-19
	VIOLET / BLUE	20-23 SPLIT COLOR
	BLUE	24-27
	BLUE / AQUA	28-31 SPLIT COLOR
	AQUA	32-35
	AQUA / GREEN	36-39 SPLIT COLOR
	GREEN	40-43
	GREEN / LIME GREEN	44-47 SPLIT COLOR
	LIME GREEN	48-51
	LIME GREEN / CANARY YELLOW	52-55 SPLIT COLOR
	CANARY YELLOW	56-59
	CANARY YELLOW / AMBER	60-63 SPLIT COLOR
	AMBER	64-67
	AMBER / ORANGE RED	68-71 SPLIT COLOR
	ORANGE RED	72-75
	ORANGE RED /LITE PINK	76-79 SPLIT COLOR
	LITE PINK	80-83
	LITE PINK / MAGENTA	84-87 SPLIT COLOR
	MAGENTA	88-91
	MAGENTA / LITE MAGENTA	92-95 SPLIT COLOR
	LITE MAGENTA	96-99
	LITE MAGENTA / SKY BLUE	100-103 SPLIT COLOR
	SKY BLUE	104-107
	SKY BLUE / ORANGE	108-111 SPLIT COLOR
	ORANGE	112-115
	ORANGE / DARK AQUA	116-119 SPLIT COLOR
	DARK AQUA	120-123
	DARK AQUA / PINK	124-127 SPLIT COLOR
PINK	128-131	
PINK / YELLOW	132-135 SPLIT COLOR	
YELLOW	126-139	
YELLOW / UV PURPLE	140-143 SPLIT COLOR	
UV PURPLE	144-147	
UV PURPLE / RED	148-151 SPLIT COLOR	
RED	152-155	
RED / WHITE	156-159 SPLIT COLOR	
WHITE	160-163	
COLOR SCROLL (FAST > SLOW)	164-167 SPLIT COLOR	
COLOR SCROLL (STOP)	209-221	
COLOR SCROLL (SLOW > FAST)	222-255	

CHANNEL	DESCRIPTION	VALUES
7) GOBO WHEEL	BIGSPOT	0-7
	TUNNEL	7-15
	TRI-TUNNEL	16-23
	SUN FLOWER	24-31
	DUAL DOTTED LINE	32-39
	SINGLE DOTTED LINE	40-47
	TRIANGLE	48-55
	SWIRL	56-63
	MULTI-STAR	64-71
	SEGMENT TUNNEL	72-79
	STAR	80-87
	SMALL SPOT	88-95
	SEGMENT SQUARES	96-103
	TWISTER	104-111
	SPLIT FOUR	112-119
	BARs	120-127
	SPLASH	128-135
	ASTERISK	136-143
	MULTI-SMALL DOT	144-151
	EUROSTARS	152-159
BUBBLES	160-175	

CHANNEL	DESCRIPTION	VALUES
8) SHUTTER / DIMMER		
	BLACKOUT	0-15
	STROBE (FAST > SLOW)	16-127
	OPEN SHUTTER	128-255

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