

LIVE PRO 1200W TECHNICAL FEATURES (art. 9701)

LAMP	- MSR 1200W SA Daylight (short arc) or - HTI 1200W SE 5400 K (short arc) - 600 hours average life with magnetic ballast - 800 hours average life with electronic ballast - Easy lamp replacing	INPUT SYSTEM	- USITT DMX 512 protocol - Opto-isolated input - Local and remote motor reset - Remote electronic lamp dimming 35% - Remote control lamp on/off - All functions autotest switch - Pan/Tilt 50% switch - Pan/Tilt 100% switch - Pan/Tilt swap switch - Pan/Tilt inversion switch
OPTIC	- Two optical systems, remotely selectable and programmable, 13 and 20 degrees		
MOVEMENT RESOLUTION	- Pan/Tilt movement 12 bit resolution: - Smooth and accurate movement repeatable positioning achieved through a high performance digital control system - Closed loop position control system based on the 87C75 microprocessor	CONNECTIONS	- 2 canon 5 pins (male and female), 2 canon 3 pins (male and female); DMX ground lift switch
PAN	- Pan displacement 370 degrees - Time for revolution: min. 3,5 sec - max. 400 sec (12 bit controller)	CONTROL SYSTEM	- All spot functions driven by 4 powerful microprocessor - Stepping motor controlled in microstepping and PWM - Low noise during the resetting phase
TILT	- Tilt displacement: 300 degrees - Time for revolution: min. 3 sec - max. 400 sec (12 bit controller)	SAFETY SYSTEM	- Double safety relays disconnects the power in case of: a) panel opening for the lamp replacing b) overheating of electronic circuits or lamp c) fan malfunctioning
COLOR SYSTEM	- Full CYM color mixing, unlimited variety of colors and shades. CYM can be used also with sharp beam (without frost or prisms) - High resolution stepper motors 0.9 degrees Color crossfades can be programmed at four different speeds or in real time. - 2 color wheels of 5 dichroic colors + white each one, (dichroic gobos installable in one of them). Continuous rotation of the two color wheels (rainbow effect, three different speeds) - Filter conversion from 5400K to 3200K	POWER SUPPLY	(with magnetic ballast); - Standard supply voltage 230V 50/60Hz - Built in ballast - Built in power factor corrector - Inrush current limitation - Power consumption: 8 amps
GOBOS	- 1 Rotating wheel (3 speeds) with 6 changeable rotating metal gobos or fixed crystal gobos: three bidirectional variable speeds - 1 Wheel with 6 changeable rotating metal or fixed crystal gobo, fully variable speed and memory position	POWER SUPPLY	(with electronic ballast); - Standard supply voltage 95/255V 50/60Hz - Power consumption: 230V = 7Amps - 100V = 16Amps
FROST	- Continuous wash frost filter to dissolve gobo images or for diffused light - 2nd frost filter (no continuous) for projection similar to a par 64	MECHANICAL SYSTEM	- Pan and Tilt movement on double taper bearings - Transmission by a double custom reinforced driving belt and double motors - Spring to maintain a constant tension for the driving belt
DIMMER	- Dimmer to change the light beam intensity from 0 to 100%	COOLING SYSTEM	- Radial blowers for lamp cooling with automatic circuit for the regulation of the air flux in function of the temperature. - 2 quiet axial fan 80x80 mm. 24V DC located in the head for electronic circuits cooling - 1 axial fan 120x120 mm. 24V DC - 24V DC located in the base for electronic circuits cooling
IRIS	- Iris to change the light beam opening angle	DIMENSIONS	- (packing box) WxDxH = 80x71x61
ELECTRONIC FOCUS	- Continuous storable focus on booth two different optics	WEIGHT	- Net weight: 31,5 kgs. Gross weight: 37,5 kgs.
STROBO BLACKOUT	- Black out and strobe effect with frequency regulation		
PRISMS	- 1 prism with 5 flat projections - 1 prism with 4 circular projections - Booth prisms can rotate at different speed		

DMX CHANNELS Art. 9701

- Ch 1 Iris
- Ch 2 Color wheel 1 with rainbow
- Ch 3 Rotating gobo with rainbow
- Ch 4 Shutter + strobo
- Ch 5 Pan coarse
- Ch 6 Pan fine
- Ch 7 Tilt coarse
- Ch 8 Tilt fine
- Ch 9 Dimmer
- Ch 10 Motors speed (4 speeds)
- Ch 11 2 optics + focus
- Ch 12 Color wheel 2 with rainbow
- Ch 13 Rotating gobos with memory position
- Ch 14 Gobos speed/gobos position
- Ch 15 Magenta
- Ch 16 Cyan
- Ch 17 Yellow
- Ch 18 Wash frost
- Ch 19 Prisms + standard frost
- Ch 20 Reset + lamp on/off (* lamp dimming)

DMX CHANNELS Art. 97011

- Ch 1 Iris
- Ch 2 Color wheel 1 with rainbow
- Ch 3 Rotating gobo with rainbow
- Ch 4 Shutter + strobo
- Ch 5 Pan coarse
- Ch 6 Pan fine
- Ch 7 Tilt coarse
- Ch 8 Tilt fine
- Ch 9 Dimmer
- Ch 10 Motors speed (4 speeds)
- Ch 11 2 optics + focus
- Ch 12 Color wheel 2 with rainbow
- Ch 13 Rotating gobos with memory position
- Ch 14 Gobos speed/gobos position
- Ch 15 Prisms + standard frost
- Ch 16 Reset + lamp on/off (* lamp dimming)

DMX CHANNELS Art. 97012

- Ch 1 Iris
- Ch 2 Color wheel 1 with rainbow
- Ch 3 Static Gobo with rainbow
- Ch 4 Shutter + strobo
- Ch 5 Pan coarse
- Ch 6 Pan fine
- Ch 7 Tilt coarse
- Ch 8 Tilt fine
- Ch 9 Dimmer
- Ch 10 Motors speed (4 speeds)
- Ch 11 2 optics + focus
- Ch 12 Color wheel 2 with rainbow
- Ch 13 Rotating gobos with memory position
- Ch 14 Gobos speed/gobos position
- Ch 15 Standard frost
- Ch 16 Reset + lamp on/off (* lamp dimming)

* Function available only using an electronic ballast.

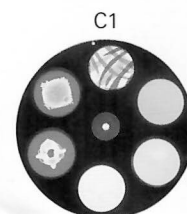
STANDARD ROTATING GOBOS WHEEL 1



STANDARD ROTATING GOBOS WHEEL 2 (with memory position)



DICHROIC GOBOS WHEEL



• FURTHER CRISTAL AND METAL GOBOS, AVAILABLE ON REQUEST (refere to chapter "GOBOS")

LIVE 1200

setting aux=on

CH	FUNCTION
1	Iris
2	Color 1
3	Gobo 1
4	Strobe
5	Pan Coarse
6	Pan Fine
7	Tilt Coarse
8	Tilt Fine
9	Dimmer
10	Motor Speed
11	Focus + Zoom
12	Color 2
13	Gobo 2
14	Gobo 2 Position/Speed
15	Prism/Frost + rot.
16	Lamp dimming, reset, lamp off

LIVE PRO 1200

setting aux=off

CH	FUNCTION
1	Iris
2	Color 1
3	Gobo 1 + rotazione
4	Strobe
5	Pan Coarse
6	Pan Fine
7	Tilt Coarse
8	Tilt Fine
9	Dimmer
10	Motor Speed
11	Focus + Zoom
12	Color 2
13	Gobo 2
15	Magenta
16	Cyan
17	Yellow
18	Frost
19	Prism/Frost + rot.
20	Lamp dimming, reset, lamp off

DMX-VALUE

Pan, Tilt : 12 bit resolution (proportional)

Iris: 256 steps (proportional)

0% max beam size
100% min beam size

Dimmer: 256 steps (proportional)

0% close
100% full open

Magenta, Cyan, Yellow, Frost: 256 steps (proportional)

0% no color
100% full color (frost)

Gobo 2 Position/Speed: 256 steps

LIVE-DMX VALUE

Color 1, Color 2:

- 0..28 color A
- 29..67 color B
- 68..88 color C
- 87..115 color D
- 116..144 color E
- 145..173 color F
- 174..202 rainbow slow
- 203..231 rainbow mid
- 232..255 rainbow fast

Gobo 1 + rot:

- 0..5 gobo A (full beam)
- 6..11 gobo B rot. speed 3a
- 12..17 gobo B rot. speed 2a
- 18..23 gobo B rot. speed 1a
- 24..29 gobo B stop
- 30..36 gobo B rot. speed 1b
- 36..41 gobo B rot. speed 2b
- 42..47 gobo B rot. speed 3b
-
-
- 174..179 gobo F rot. speed 3a
- 180..185 gobo F rot. speed 2a
- 186..191 gobo F rot. speed 1a
- 192..197 gobo F stop
- 198..203 gobo F rot. speed 1b
- 204..209 gobo F rot. speed 2b
- 210..215 gobo F rot. speed 3b
- 216..221 rainbow slow
- 222..227 rainbow mid
- 228..255 rainbow fast

Gobo 2:

- 0..23 gobo A (full beam)
- 24..47 gobo B (rot.)
- 48..71 gobo B (pos.)
- 72..95 gobo C (rot.)
- 96..119 gobo C (pos.)
- 120..143 gobo D (rot.)
- 144..167 gobo D (pos.)
- 168..191 gobo E (rot.)
- 192..215 gobo E (pos.)
- 216..239 gobo F (rot.)
- 240..255 gobo F (pos.)

Gobo 1:

- 0..5 gobo A
- 6..47 gobo B
- 48..89 gobo C
- 90..131 gobo D
- 132..173 gobo E
- 174..215 gobo F
- 216..221 rainbow slow
- 222..227 rainbow mid
- 228..255 rainbow fast

Strobe:

- 0..63 fascio pieno
- 64..191 strobo (64 steps)
- 192..255 shutter

Motor Speed:

- 0..63 slow
- 64..127 mid2
- 128..191 mid1
- 192..255 fast

Focus + optical system selecting

- 0..127 optical system 1 (focus 128 steps)
- 128..255 optical system 2 (focus 128 steps)

0-104
105-255

Prism/Frost + rotation:

- 0..29 fascio pieno
- 30..59 frost
- 60..74 prism A rot. speed 3a
- 75..89 prism A rot. speed 2a
- 90..104 prism A rot. speed 1a
- 105..119 prism A stop
- 120..134 prism A rot. speed 1b
- 135..149 prism A rot. speed 2b
- 150..164 prism A rot. speed 3b
- 165..179 prism B rot. speed 3a
- 180..194 prism B rot. speed 2a
- 195..209 prism B rot. speed 1a
- 210..224 prism B stop
- 225..239 prism B rot. speed 1b
- 240..254 prism B rot. speed 2b
- 255 prism B rot. speed 3b

Reset: (lamp off switch=ON)

- 0..63 normal
- 64..127 lamp dimming
- 128..250 reset (delay)
- 251..255 lamp off

Reset: (lamp off switch=Off)

- 0..63 normal
- 64..127 lamp dimming
- 128..250 normal