

# MAX



## Multi-Function Moving Head suitable for every application



**FAST LINEAR ZOOM 1.5° - 40°**

**LINEAR CMY & CTO  
AUTOFOCUS**

**ROTATING AND FIXED  
GOBOS**

**COLOR WHEEL (17 FILTERS)**

**ANIMATION WHEEL**

**SILENT OPERATION**

**'FPR' - FREE PAN ROTATION  
SYSTEM (DTS PATENT)**

**100,000 LUX @ 5 M**

**LIGHTWEIGHT: ONLY 20 KG**

MAX is a multi-purpose discharge moving head. Thanks to its specially developed high quality optical system, MAX projects perfectly focused gobos in a wide zoom range. MAX features also the revolutionary 'FPR' system for an unlimited Pan rotation.

MAX is compact and lightweight, easy to install and suitable for the whole range of top applications. MAX employs a 330 W MSD PLATINUM LAMP and it is the perfect replacement for 575/700 MSR with the newest technologies.

# MAX



# MAX



## LAMP

MSD PLATINUM 16R 330 W (16.000 Lumens)  
Color temperature: 8,000°K typ.  
Type of connection: PINS  
2.8x 0.8 mm  
Remote lamp On-Off  
Average lamp life: 1,500 hrs

## OPTICAL GROUP

Improved optical group made with 11 coated lenses + dichroic glass reflector 100,000 Lux at 5 m  
16-bit motorized wide-excursion linear zoom  
Beam opening:  
1.5° - 2° (Beam projection)  
2° - 37° (Spot projection)  
10° - 60° (Wash projection)  
4° - 40° (Studio projection)  
16-bit motorized linear

Motorized Iris  
Linear dimmer / shutter / strobe  
(0.85 flash/sec to 10 flash/sec)  
Frost filter

## COLOR GENERATION

Linear CMY  
Linear CTO  
Color wheel (17 colors + white) with linear selection for perfect  
2-color beams

## DYNAMIC EFFECTS

Overlapping wheels for multiple effects:  
Customizable rotating gobo wheel (9 gobos)  
Customizable fixed gobo wheel (10 gobos)  
Animation Wheel  
4-facet rotating prism

## INTERFACE / CONTROL / PROGRAMMING

Li-Fe backup battery for controlling the main parameters even when MAX is not powered  
LCD graphic display + 4 soft-keys (control / management of the main parameters)  
RDM  
Updatable internal operating system

## DMX

33 DMX channels

## PAN & TILT

'FPR' system (DTS patent)  
Pan: limitless rotation, in both directions; 360° rotation in 1.56 sec.; Tilt 270°: 1.5 sec.

Tri-phase stepper motor  
Technology for ultra-fast silent movements  
16-bit resolution  
Selectable speed ranges  
Pan / Tilt lock

## POWER SUPPLY

Electronic ballast: 90-260 V 50 / 60 Hz  
Power consumption: 450 W with PFC  
Power saving mode (the lamp dims to 80% after shutter closure)

## CONNECTORS

DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;  
Power supply: PowerCon In/Out (re-launch) connectors by Neutrik

## PHYSICAL

Weight: 20 Kg  
Dimensions: base 355x395 mm  
Overall 410x395x500 h mm

## INTERNAL SAFETY DEVICES

Overvoltage circuit protection  
and overtemperature circuit protection

## INTERNATIONAL CERTIFICATIONS

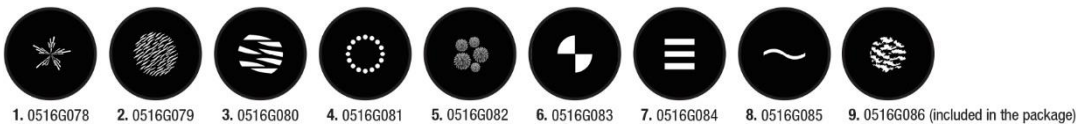
Safety: EN 60598-1: 1993  
EN 60598-2-17: 1989  
A1-A3: 1993  
EMC: EN 55015

## INCLUDED ITEMS

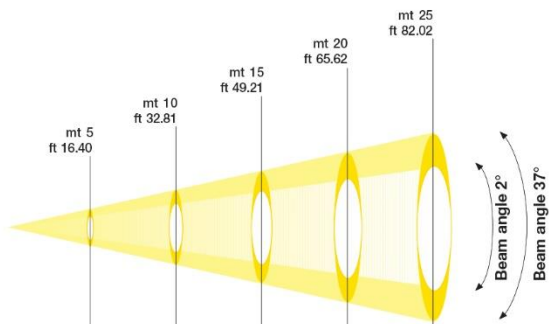
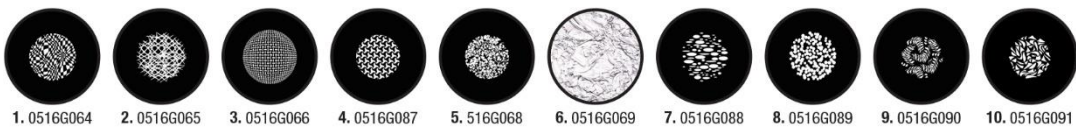
1 x PowerCon male cable connector (cod. 0520P014)  
1 x XLR 5 Pins male cable connector (cod. 0508B028)  
1 x XLR 5 Pins female cable connector (cod. 0508B027)  
2 x Omega bracket (cod. 02K00549)



## GOBO WHEEL 1



## GOBO WHEEL 2



## 'SPOT' PROJECTION

	mt 5 ft 16.40	mt 10 ft 32.81	mt 15 ft 49.21	mt 20 ft 65.62	mt 25 ft 82.02	
<b>Lux center</b>	100000	25000	11111	6250	4000	<b>Beam angle 2°</b>
<b>Foot candles</b>	9294	2323	1033	581	372	
<b>Diameter cm.</b>	18	37	55	73	92	
<b>Diameter ft.</b>	0.60	1.20	1.80	2.41	3.01	
<b>Lux center</b>	1030	258	114	64	41	<b>Beam angle 37°</b>
<b>Foot candles</b>	96	24	11	6	4	
<b>Diameter cm.</b>	335	669	1004	1338	1673	
<b>Diameter ft.</b>	10.98	21.95	32.93	43.91	54.89	

## DMX CHANNELS

- |                  |                        |
|------------------|------------------------|
| 1 PAN msb        | 18 GOBO MODE           |
| 2 PAN lsb        | 19 GOBO ROTATION INDEX |
| 3 TILT msb       | 20 GOBO INDEX FINE     |
| 4 TILT lsb       | 21 GOBO SHAKE          |
| 5 SPEED MOVEMENT | 22 FIXED GOBO          |
| 6 PAN FAR        | 23 FIXED GOBO SHAKE    |
| 7 DIMMER         | 24 IRIS                |
| 8 SHUTTER        | 25 IRIS MACROS         |
| 9 COLOR          | 26 ANIMATION           |
| 10 COLOR MODE    | 27 FROST               |
| 11 CYAN          | 28 PRISM               |
| 12 MAGENTA       | 29 PRISM / ANIMATION   |
| 13 YELLOW        | ROTATION               |
| 14 CTO           | 30 FOCUS               |
| 15 SPEED CMY     | 31 FOCUS FINE          |
| 16 MACRO CMY     | 32 ZOOM                |
| 17 GOBO          | 33 RESET+LAMP          |