



The Lighting Company



ISO 9001:2008

D.T.S. quality system
is certified to the
ISO 9001:2008 standard



D.T.S. products are designed
and manufactured at the D.T.S.
plants in Italy



Overview

MAX is the brand new top of the range of D.T.S. high-power compact moving heads line.

MAX is the most complete moving head on the market, addressing any top level application: from concerts to special events; from television studios to theatres. MAX features a special optical group with wide excursion motorized zoom that for the first time allows 4 different types of projection in a single moving head: 'Beam', 'Spot', 'Wash', and 'Studio'. No need to stock a whole range of lights: MAX does it all. MAX' wide excursion motorized zoom allows any application from long-throw projections to large wall washing.

Beam opening is: 1.5° - 2° 'Beam' projection; 2° - 37° 'Spot' projection; 10° - 60° 'Wash' projection. But MAX introduces also the 'Studio' function (selectable via DMX); thanks to it, MAX projects a beam so uniform and evenly diffused as never before. Add CMY synthesis, linear CTO, animation wheel, and light output comparable to the most powerful fixtures. MAX is fitted with 'FPR' system.

The 'FPR' (D.T.S. patent) allows limitless pan rotation, in either direction, never having to reverse motion. Also, MAX is very compact and light weight, the perfect moving head for rental companies - who want a quick and easy to install unit.

Lamp

MSD PLATINUM 16R 330W (16.000 Lumens)
Colour temperature: 8,000°K typ.
Type of connection: PINS 2.8x 0.8mm
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 focus
Motorized Iris
Linear dimmer / shutter / strobe
(0.85 flash/sec to 10 flash/sec)
Frost filter

Colour generation

Linear CMY
Linear CTO
Colour wheel (17 colours + white) with linear selection for perfect 2-colour 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
ARTNET available on request
Wireless ready
Updatable internal operating system

DMX

33 DMX channels

Pan & Tilt

'FPR' system (D.T.S. 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 and OUT (re-launch) connectors by Neutrik

Weight

20 Kg

Internal safety devices

Overvoltage circuit protection
and overtemperature circuit protection

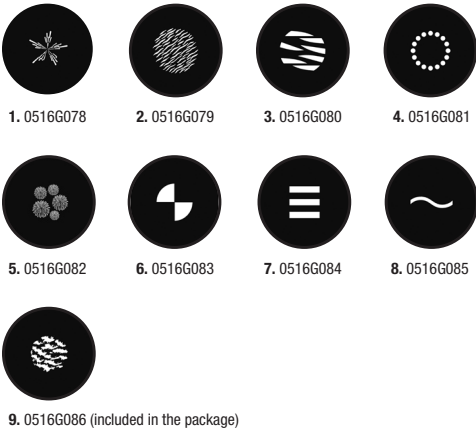
International certifications

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

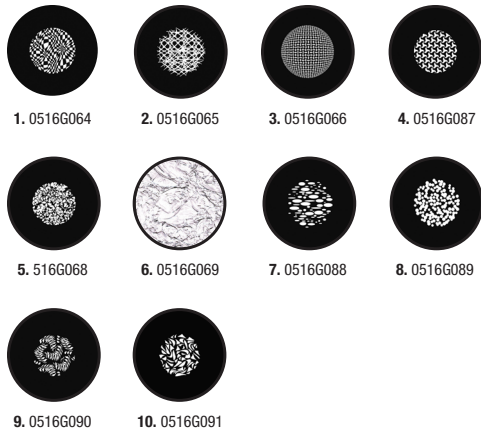
Included items

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)

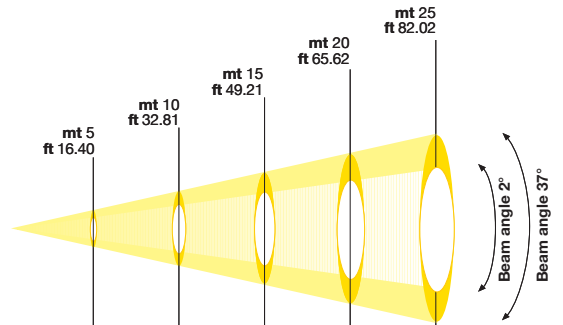
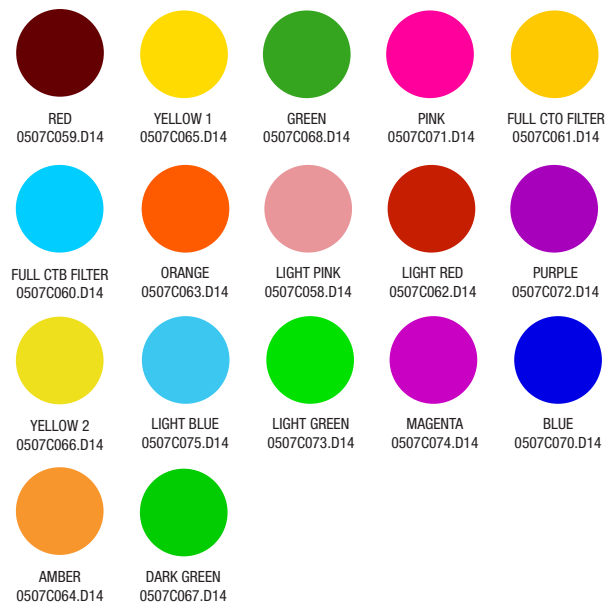
Gobo Wheel 1



Gobo Wheel 2



Colour Wheel



'SPOT' projection

Lux center	100000	25000	11111	6250	4000	Beam angle 2°
Foot candles	9294	2323	1033	581	372	
Diameter cm.	18	37	55	73	92	
Diameter ft.	0.60	1.20	1.80	2.41	3.01	
Lux center	1030	258	114	64	41	Beam angle 37°
Foot candles	96	24	11	6	4	
Diameter cm.	335	669	1004	1338	1673	
Diameter ft.	10.98	21.95	32.93	43.91	54.89	

DMX channels

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