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The Chroma-Q Daylight Par has been designed specifically for the professional entertainment lighting industry. Regular maintenance should be performed to ensure that the products perform well in the entertainment environment.

If you experience any difficulties with any Chroma-Q products please contact your selling dealer. If your selling dealer is unable to help please contact support@chroma-q.com. If the selling dealer is unable to satisfy your servicing needs, please contact the following for full factory service:

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Quick Start Guide

Daylight PAR™



For a full product manual please visit www.chroma-q.com

1. Product Description

The Chroma-Q Daylight Par is a high output, daylight colour temperature fixture with light source from a MSR 575 HR metal halide arc lamp and interchangeable optics. The fixture is designed to operate on ANSI E1.11 USITT DMX 512-A data transfer protocol and standard voltages/frequencies available worldwide.







2. Operation

Unpacking:

- The package includes the following items: Chroma-Q Daylight Par, colour frame, set of 4 interchangeable lenses and Quick Start Guide.
- The unit is shipped in a specially constructed shipping carton to provide protection.

Safety:

- The following International Symbols are indicated on the unit to identify warning and caution messages. Failure to heed these messages could result in serious personal injury and damage to equipment.

					
Caution	High Voltage Warning	Hot Surface	Explosion Risk	Eye Protection Required	Minimum Safe Distance

2. Safety Instructions:

**This product is for professional use only.
It is NOT intended for domestic or outdoor use.**

- Please read the entire user manual before using this equipment.
- Disconnect the unit from its power source before removing or installing the lamp, fuses or any other part, performing cleaning and maintenance, and when not in use.
- Ensure the unit has the proper electrical supply connections and is grounded.
- The unit must be connected to an AC electrical supply that has suitable fault protection.
- Always rig the unit with care and use an approved means of secondary attachment e.g. a safety wire
- Do not expose the unit to rain or moisture of any kind.
- Never operate the unit with missing or damaged covers, or lenses.
- When installing or replacing the lamp always disconnect the unit, allow 15 minutes cooling, and use the recommended protective safety equipment.
- Always replace the lamp if it becomes damaged or thermally deformed. Do not run lamps for more than the manufacturers recommended number of hours.
- Do not mount the unit on, or near flammable materials, and ensure the unit is 1.5 metres (4.5ft) away from anything it is shining on.
- Allow the unit to cool for at least 5-10 minutes before handling it.
- Servicing must only be carried out by the manufacturer, or by other suitably qualified service personnel.
- Always ensure that the safety wire is connected and in good working condition.

Power:

Input Voltage	Frequency	Current Rating	Replacement fuses (2x) 5 x 20mm
90-130 V AC	47-63 Hz	9 A (@ 115 V)	10 A, 250 V 'T' type
197-260 V AC	47-63 Hz	4.5 A (@ 230 V)	5 A, 250 V 'T' type

Connections:

- Connect power cord with a plug of the correct voltage/current rating to a suitable outlet.
- Connect data input ANSI E1.11 USITT DMX 512-A through a XLR 5-pin cable from a lighting control console.

Lamp Install/Replace:

- Unplug the unit from its power sources and allow it to cool down sufficiently.
- Unscrew the lamp release screw at the rear of the lamp housing.
- Carefully remove the lamp housing from the reflector housing by gently pulling it straight backwards. Avoid causing the lamp to rub against the reflector opening.
- With gloves hold the lamp by its ceramic base and remove from the holder.
- Insert the new lamp into the holder and gently push down until seated correctly.
- Re-insert the lamp housing onto the back of the reflector housing. Line up the guide pin and gently push the lamp housing into position through the opening in the reflector. Avoid causing the lamp to rub against the reflector opening.
- Tighten up the lamp housing retaining screw.
- The unit is ready for use. Check and optimize lamp position.

Lamp Optimising:

- Turn the fixture on, allow for lamp to reach full brightness and aim the light towards a flat surface. Centre the hot-spot in the projected beam using the three Philips headed screws at the back of the lamp housing. Turn one screw at a time to move the hot-spot across the beam or distribute light evenly.
- Lamp is too forward when hot-spot is too pronounced. Reduce by turning all three screws clockwise ¼-turn at a time.
- Lamp is too far back if there is a dark spot at the centre of the beam or light output appears dim. Reduce by turning all 3 screws counter-clockwise ¼-turn at a time.

Colour Filter:


The unit is equipped with runners designed to take a colour frame or other accessories with 7.5"/190mm outside fitting, 6.7"/170mm minimum diameter opening and a spring-loaded retaining clip, which prevents the accessories from falling out.

Interchangeable Lenses:

Included with the unit are four interchangeable lenses: **VNSP**- very narrow spot (clear glass), **NSP**- narrow spot (pebbled glass), **MFL**- medium flood (lightly faceted) and **WFL**- wide flood (heavily faceted). See full user manual for instructions on removing and installing the lenses.

Display and Control Operation:

Access control functions using the LED display and 3 push-button switches on the rear panel.

Control	Function	
Red Button	Mode access and record	
Black Button	Decreases (-) the mode level or valve	
Blue Button	Increases (+) the mode level or value	
3 Digit Display	Displays mode, monitor or blank display	

- Power Up display:** the display will show the DMX address.
- Monitor Display:** will revert to 'Monitor Mode' if left undisturbed for 5-7 seconds. The 1st vertical bar indicates presence of Power (24V DC) at the unit. The 2nd vertical bar indicates presence of DMX Data at the unit. The horizontal bars indicate DMX Data Signal Level.
- Display Flip:** press and hold the RED and BLACK button simultaneously.
- Reset:** press and hold the RED and BLUE button to reset to factory default settings.

Modes of Operation:

Stand-alone mode: without DMX

- Press RED button to access lamp power mode.
- Press BLUE or BLACK, scroll and select 'LPL' (low power) or 'LPF' (full power), and press RED button to record.
- Press BLUE or BLACK button, scroll and select 'LP0' (lamp off), and press the RED button to record.

DMX addressing mode: press BLUE or BLACK button once to set DMX channel

Lamp power/control mode 'LP': press BLUE or BLACK button to select mode and switch between Lamp OFF 'LP0', LOW power 'LPL' and HIGH power 'LPF'.

3. Further Information

Please refer to the Chroma-Q Daylight Par manual for more detailed information. A copy of the manual can be found at the Chroma-Q website – www.chroma-q.com – under Support.