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Chroma-Q reserves the right to change or make alteration to devices and their functionality without notice due to on-going research and development.

The Chroma-Q Junior FX & Twin FX have 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](mailto: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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For further information please visit the Chroma-Q website at [www.chroma-q.com](http://www.chroma-q.com).

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# Quick Start Guide

## Junior FX

## Twin FX



For a full product manual please visit [www.chroma-q.com](http://www.chroma-q.com)

## 1. Overview

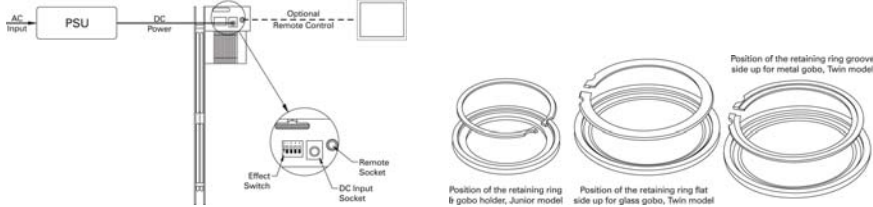
The Chroma-Q Junior FX and Twin FX are stand-alone gobo rotators, designed to accept standard sized glass or metal gobos. It features an advanced built-in effects system, allowing the user to create stunning kinetic effects. Refer to the specifications for details of gobo sizes.

Rotator type	Gobo Size & Quantity	Fixture
Junior	(× 1) 'M' size* Gobo	ETC Source 4™ Junior
Twin	(× 2) 'B' size* Gobos	ETC Source 4™, Altman Shakespeare, Strand SL, and Selecon Pacific

The units are supplied with a universal-input power supply to allow for use anywhere in the world. A remote speed control is available from your selling dealer.

## 2. Power Supply & Connections

- The power supply is designed for worldwide use. Connect the IEC power cord (not supplied) to the appropriate AC electrical outlet rated for 100-240 V, 47-63Hz.
- Do not plug the power supply into a dimmer circuit as this could cause a non-warranty failure of the supply.
- The power supply must be located at a safe distance away from sources of heat.



## 3. Installation of Gobos

The unit has 2 counter-rotating gobo holders in the same axial plane. The rear gobo holder allows repeatable indexing of this gobo holder (200 steps = 360°, 1 step = 1.8°). The gobos are held firmly in place by sprung retaining rings. Both the gobo holders & rings are designed to hold metal & glass patterns. The retaining rings can be removed by placing a small tool in one of the grooves of the ring & then prying the end of the ring out of the holder. Replace the retaining rings by inserting one end of the ring into the holder & then work around pushing the rest of the ring into its slot in the holder. Check that the rings are fully seated in their slots before operating the unit.

**Install Metal gobos:** the circular indentation in the retaining ring should be facing outwards.

**Install Glass gobos:** the circular indentation in the retaining ring is used to accommodate the greater thickness of the glass gobo & therefore should be facing inwards.

## 4. Operating the Unit

The Chroma-Q Junior FX and Twin FX gobo rotators feature a wide range of effects, these can be selected by the 4 position dip switch. The effects can then be adjusted by the potentiometer wheel.

Effect Selection	Switch	Potentiometer Wheel
Gobo Rotation		Rotation speed (↻ fast-slow-↻ fast) 0.2 - 20rpm (approx.)
▲ (0-full speed) ↻		▲ Rate (↻ fast-slow-↻ fast)

'Clock' ↻		Sweep size (↻ 2°-45°-2°↻ fast)
▲↻		▲ Rate (↻ slow-fast-slow-↻)
'Advancing Two-Step' 50°↻ - 30°↻		Step Speed (↻ fast-slow-↻ fast)
Random Shimmer/Shake		Shake speed (slow- fast)
'Pendulum' (≈ 45° swing)		Swing speed (slow- fast)
'Pendulum' (≈ 90° swing)		Swing speed (slow- fast)
'Pendulum' (≈ 180° swing)		Swing speed (slow- fast)
Gobo Shimmer/Shake		Shake speed (slow- fast)
Gobo Shimmer/Shake - 3 sec pause		Shake speed (slow- fast)
1 revolution + pause		Rotation speed (↻ fast-slow-↻ fast)
1 rev. ↻ + pause + 1 rev.↻		Rotation speed (↻ fast-slow-↻ fast)

Effects Menu Legend:



## 5. Mounting

Insert unit in the gobo gate or iris slot of the lighting fixture with the control box housing facing the front of the fixture. The rotator must be correctly seated in the iris slot before powering the lighting fixture (the unit must not move sideways). The Chroma-Q Junior FX and Twin FX are designed for mounting in an upright or side position only with the control-box housing above, or at the side of the fixture. Do not mount in an inverted position with the top control-box housing below the fixture.

**Power Supply:** The power supply must be located a safe distance away from any sources of heat, and does not present a physical danger to personnel or equipment in the near vicinity.

**Safety Wire:** The Chroma-Q Junior FX and Twin FX gobo rotators must always be used with the safety wire. There is a hole provided in the chassis for the attachment of a safety wire.

## 6. Further Information

Please refer to the Chroma-Q Junior FX & Twin FX manual for more detailed information. A copy of the manual can be found at the Chroma-Q website – [www.chroma-q.com](http://www.chroma-q.com) – under Support.