

MARQTM

GAMUTPAR H7

Quickstart Guide

English

Introduction

Box Contents

Gamut PAR H7	Quickstart Guide
Power Cable	Safety & Warranty Manual
Signal Cable	

Important: Visit marqlighting.com to download the complete *User Guide*.

Support

For the latest information about this product (documentation, technical specifications, system requirements, compatibility information, etc.) and product registration, visit marqlighting.com.

For additional product support, visit marqlighting.com/support.

Safety Notes

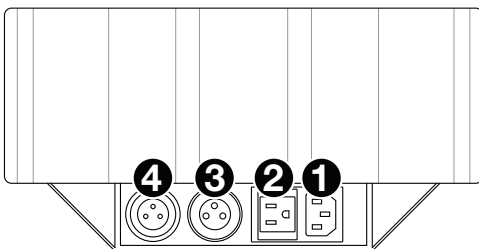
Important: In addition to the notes below, please refer to the included safety & warranty manual for additional safety information.

- Carry this product by the hanging/mounting bracket or the handles only.
- Use this product **indoors only** (IP20). To prevent risk of fire or shock, do not expose this product to rain or moisture.
- Do **not** use this product for permanent installations.
- Connect this product to grounded and protected circuits only.
- Always disconnect it from its power source **before** cleaning or replacing this product's fuse. Replace the fuse with another of the same type and rating.
- Before connecting the product to a power source, make sure the power cable is not crimped or damaged.
- Make sure the power outlet's voltage is within the range stated on this product (on its housing or decal).
- **Never** connect this product to a dimmer or rheostat.
- **Never** disconnect this product from the power cable by pulling or tugging on the cable itself.
- Always make sure this product is used in a location with adequate ventilation with at least 20" (50cm) from adjacent surfaces. Make sure none of this product's ventilation slots are obstructed.
- Do **not** use this product at ambient temperatures higher than 104 °F / 40 °C.
- Do **not** allow flammable materials near this product during use.
- Do **not** look at the light source when the product is on.
- Do **not** touch this product while it is powered on or immediately after powering it off. The product and its housing can reach high temperatures.
- If you encounter a serious problem while using this product, stop using it **immediately**.
- Do **not** open this product's housing. It contains no user-serviceable parts and will void your warranty.

Features

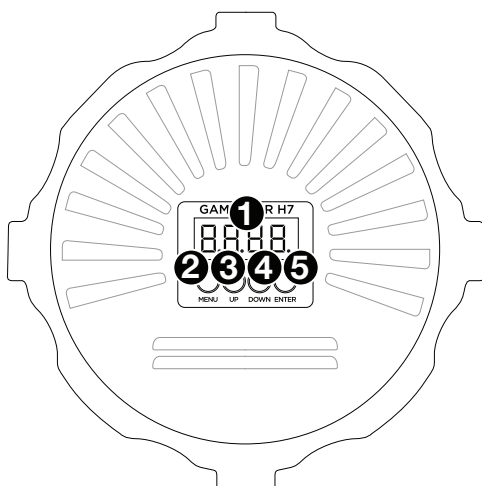
Bottom Panel

1. **Power In:** Use a standard power cable (included) to connect this input to a power outlet.
2. **Power Out:** Use a standard power cable to connect this output to an additional fixture. This connection will supply power to the additional fixture when this one is connected to a power outlet. Please see [Setup > Linking > Power](#) for information about linking multiple fixtures.
3. **DMX In:** Use a standard 3-pin DMX cable to connect this input **(A)** to your DMX controller or **(B)** to another fixture that will pass DMX data through it to this one. Gamut PAR H7 receives DMX data over this connection. Please see [Setup > Linking > DMX](#) for information about linking multiple fixtures.
4. **DMX Out:** Use a standard 3-pin DMX cable to connect this output to an additional fixture. Gamut PAR H7 sends its data to an additional fixture over this connection. Please see [Setup > Linking > DMX](#) for information about linking multiple fixtures.



Rear Panel

1. **Display:** This display shows messages and values indicating the fixture's current status.
2. **Menu:** Press this button to access Gamut PAR H7's menu.
3. **Up:** Press this button to select the next-highest menu option or to increase the value by 1.
4. **Down:** Press this button to select the next-lowest menu option or to decrease the value by 1.
5. **Enter:** Press this to confirm your current selection or value.



Setup

Note: Items not listed under the [Introduction > Box Contents](#) are sold separately.

Power Information

Before connecting the fixture to a power outlet, make sure the power cable is not crimped or damaged. Also, make sure the power outlet's voltage is within the range stated on this product (on its housing or decal).

Before cleaning or replacing the fuse, **disconnect Gamut PAR H7 from its power source**. Use a screwdriver or other tool to remove the compartment (do **not** pull it out by the tab only). Replace the fuse only with a new fuse with the same rating (**3 A**).

Mounting/Rigging

Place the fixture on a flat, stable surface. Make sure all cables are secured and placed so that no one will trip over them.

Linking

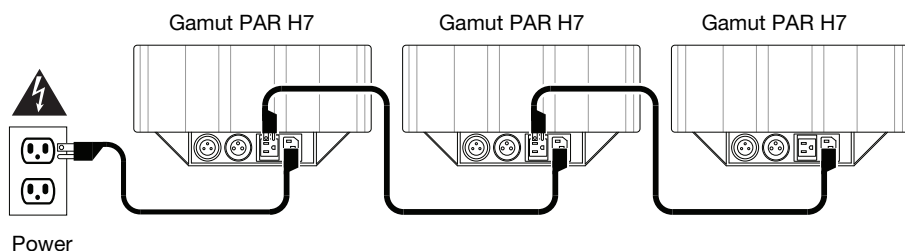
When using multiple Gamut PAR H7 fixtures, you can link (“daisy-chain”) them so that each fixture supplies **power** and/or sends **DMX data** to the next one. This helps reduce clutter in your cabling and save you setup time.

You do not have to link fixtures for both power and DMX control; you can link them for either purpose independently. For instance, you could link 8 fixtures together for DMX control while linking only 4 of those same fixtures together for power (powering the other 4 fixtures separately).

Power

Use a standard IEC power cable to connect the **Power Out** of one fixture to the **Power In** of another. As long as the first fixture is connected to a power outlet, any of the linked fixtures can remain off and still supply power to the next one.

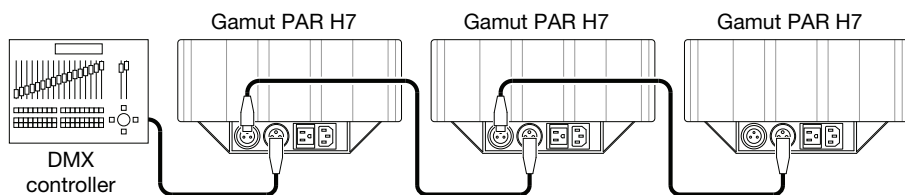
To prevent undue damage to your fuses, we recommend linking no more than **6** fixtures in the same chain.



DMX

Use a standard 3-pin DMX cable to connect the **DMX Out** of one fixture to the **DMX In** of another. Your connected DMX controller will send its data to the fixtures in sequence. All fixtures in this chain will receive all DMX data.

According to the DMX standard, you can link up to **25** fixtures with up to 6.6 feet (2 meters) between each fixture, without amplification. Keep in mind the number of channels you are using as well as the starting address.



Operation

Menu Options

To use the menu:

- Press **Enter** to select a menu, setting, or option.
- Press **Menu** to return to the previous menu.
- Use the **Up** and **Down** buttons to change the currently shown setting or option.

Menu	Submenu	Setting / Value	Sub-Setting / Value	Description
DMX Functions	11-Channel	001–512		11-channel operation
	8-Channel	001–512		8-channel operation
	6-Channel	001–512		6-channel operation
	Offline Mode	Auto		When no DMX signal, enter Show Mode
		Hold		When no DMX signal, do nothing (hold)
		Blackout		When no DMX signal, black out
Color Presets	Preset Number	C-01 – C-63		Selects static color. See DMX Functions > 11-Channel Operation > Channel 9 .
Auto Programs	Auto Program, Snap	PS01–PS04	S000–S255	Automatic program, snap mode. Program speed, slow (000) to fast (255)
	Auto Program, Fade	PF01–PF04	S000–S255	Automatic program, fade mode. Program speed, slow (000) to fast (255)
	Sound-Active	S-01–S-04	S000–S255	Sound-active program: microphone sensitivity, low (000) to high (255)
Slave Mode		SL01–SL04		Slave Mode 1–4
Custom Colors	Red Dimmer	r000–255		Red dimmer, dark (000) to bright (255)
	Green Dimmer	g000–255		Green dimmer, dark (000) to bright (255)
	Blue Dimmer	b000–255		Blue dimmer, dark (000) to bright (255)
	Amber Dimmer	A000–255		Amber dimmer, dark (000) to bright (255)
	White Dimmer	u000–255		White dimmer, dark (000) to bright (255)
	Ultraviolet Dimmer	U000–255		Ultraviolet dimmer, dark (000) to bright (255)

DMX Functions

You can control Gamut PAR H7 by linking it to a DMX controller. Please see the complete *User Guide* at marqlighting.com to learn how to do this. See below for charts of the available functions.

11-Channel Operation

Channel	Function	Value	Description
1	Dimmer	000–255	Master dimmer, all colors, dark (000) to bright (255)
2	Red Dimmer	000–255	Red linear dimmer, dark (000) to bright (255)
3	Green Dimmer	000–255	Green linear dimmer, dark (000) to bright (255)
4	Blue Dimmer	000–255	Blue linear dimmer, dark (000) to bright (255)
5	Amber Dimmer	000–255	Amber linear dimmer, dark (000) to bright (255)
6	White Dimmer	000–255	White linear dimmer, dark (000) to bright (255)
7	Ultraviolet Dimmer	000–255	Ultraviolet linear dimmer, dark (000) to bright (255)
8	Strobe	000–015	Off (no function)
		016–255	Slow (016) to fast (255)
9	Color Presets	000–003	Off (no function)
		004–007	C-01: R (red)
		008–011	C-02: G (green)
		012–015	C-03: B (blue)
		016–019	C-04: A (amber)
		020–023	C-05: W (white)
		024–027	C-06: UV (ultraviolet)
		028–031	C-07: R+G
		032–035	C-08: R+B
		036–039	C-09: R+A
		040–043	C-10: R+W
		044–047	C-11: R+UV
		048–051	C-12: G+B
		052–055	C-13: G+A
		056–059	C-14: G+W
		060–063	C-15: G+UV
		064–067	C-16: B+A
		068–071	C-17: B+W
		072–075	C-18: B+UV
		076–079	C-19: A+W

11-Channel Operation (continued)

Channel	Function	Value	Description
9	Color Presets (continued)	080–083	C-20: A+UV
		084–087	C-21: W+UV
		088–091	C-22: R+G+B
		092–095	C-23: R+G+A
		096–099	C-24: R+G+W
		100–103	C-25: R+G+UV
		104–107	C-26: R+B+A
		108–111	C-27: R+B+W
		112–115	C-28: R+B+UV
		116–119	C-29: R+A+W
		120–123	C-30: R+A+UV
		124–127	C-31: R+W+UV
		128–131	C-32: G+B+A
		132–135	C-33: G+B+W
		136–139	C-34: G+B+UV
		140–143	C-35: G+W+UV
		144–147	C-36: G+A+UV
		148–151	C-37: G+W+UV
		152–155	C-38: B+A+W
		156–159	C-39: B+A+UV
		160–163	C-40: B+W+UV
		164–167	C-41: A+W+UV
		168–171	C-42: R+G+B+A
		172–175	C-43: R+G+B+W
		176–179	C-44: R+G+B+UV
		180–183	C-45: R+G+A+W
		184–187	C-46: R+G+A+UV
		188–191	C-47: R+G+W+UV
		192–195	C-48: R+B+A+W
		196–199	C-49: R+B+A+UV
		200–203	C-50: R+B+W+UV
		204–207	C-51: R+A+W+UV

11-Channel Operation (continued)

Channel	Function	Value	Description
9	Color Presets (continued)	208–211	C-52: G+B+A+W
		212–215	C-53: G+B+A+UV
		216–219	C-54: G+B+W+UV
		220–223	C-55: G+A+W+UV
		224–227	C-56: B+A+W+UV
		228–231	C-57: R+G+B+A+W
		232–235	C-58: R+G+B+A+UV
		236–239	C-59: R+G+B+W+UV
		240–243	C-60: R+G+A+W+UV
		244–247	C-61: R+B+A+W+UV
		248–251	C-62: G+B+A+W+UV
		252–255	C-63: R+G+B+A+W+UV
10	Programs	000–015	Off (no function)
		016–035	Snap 1: R → G → B → W
		036–055	Snap 2: R+G → G+B → B+W → W+R
		056–075	Snap 3: R+G+B → G+B+W → B+W+R → W+R+G
		076–095	Snap 4: R+B → B+G → G+W → W+R
		096–115	Fade 1: R → G → B → W
		116–135	Fade 2: R+G → G+B → B+W → W+R
		136–155	Fade 3: R+G+B → G+B+W → B+W+R → W+R+G
		156–175	Fade 4: R+B → B+G → G+W → W+R
		176–195	Sound 1: R → G → B → W
		196–215	Sound 2: R+G → G+B → B+W → W+R
		216–235	Sound 3: R+G+B → G+B+W → B+W+R → W+R+G
		236–255	Sound 4: R+B → B+G → G+W → W+R
11	Program Speed (for Channel 10 snap or fade programs)	000–255	Slow (000) to fast (255)
	Sensitivity (for Channel 10 sound-active programs)	000–255	Low (000) to high (255)

8-Channel Operation

Channel	Function	Value	Description
1	Dimmer	000–255	Master dimmer, all colors, dark (000) to bright (255)
2	Red Dimmer	000–255	Red linear dimmer, dark (000) to bright (255)
3	Green Dimmer	000–255	Green linear dimmer, dark (000) to bright (255)
4	Blue Dimmer	000–255	Blue linear dimmer, dark (000) to bright (255)
5	Amber Dimmer	000–255	Amber linear dimmer, dark (000) to bright (255)
6	White Dimmer	000–255	White linear dimmer, dark (000) to bright (255)
7	Ultraviolet Dimmer	000–255	Ultraviolet linear dimmer, dark (000) to bright (255)
8	Strobe	000–015	Off (no function)
		016–255	Slow (016) to fast (255)

6-Channel Operation

Channel	Function	Value	Description
1	Red Dimmer	000–255	Red linear dimmer, dark (000) to bright (255)
2	Green Dimmer	000–255	Green linear dimmer, dark (000) to bright (255)
3	Blue Dimmer	000–255	Blue linear dimmer, dark (000) to bright (255)
4	Amber Dimmer	000–255	Amber linear dimmer, dark (000) to bright (255)
5	White Dimmer	000–255	White linear dimmer, dark (000) to bright (255)
6	Ultraviolet Dimmer	000–255	Ultraviolet linear dimmer, dark (000) to bright (255)

Technical Specifications

Specifications are subject to change without notice.

Light	Type	7 LEDs, 10 W each, 6-color (red, green, blue, white, amber, UV)
	Power	100 W
	Internal Temperature	32–104 °F / 0–40 °C
	Wavelength (UV)	395–405nm
	Illuminance	1150 lux @ 3 m
	Strobe Rate	0.7 t/s (0.7 Hz) – 15 t/s (15 Hz)
	Beam Angle	25°
	Field Angle	39.7°
DMX	Connections	(1) 3-pin input for DMX (1) 3-pin output for DMX
	Linking	25 fixtures maximum (with 2 m cables)
	Channel Profiles	6, 8, 11
Power	Supply	Switching (internal) Automatic voltage selection
	Connection	Standard IEC
	Linking	8 fixtures maximum; 6 fixtures recommended
	Consumption	71 W, 0.64 A @ 110V, 60 Hz 71 W, 0.32 A @ 220V, 50 Hz
	Input Voltage	110–240 VAC, 50/60 Hz
	Fuse	3 A
Dimensions (width x depth x height)	12.2" x 4.8" x 10.0" 310 mm x 121 mm x 255 mm	
Weight	6.6 lbs. 3.0 kg	

marqlighting.com