



150.464UK

Orbis 100

Orbis 100: 100w Led Beam Moving Head

£106.28 Excl. VAT

100+

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About this manual

This manual provides essential information for installing, operating, and maintaining your product. Please read and keep this manual to ensure the best performance from your purchase and to avoid damage resulting from improper use.

Introduction

Thank you for choosing the Orbis 100 moving head unit. Please read this manual prior to use to avoid damage to the item. This versatile moving head unit is packed with features in a compact, manageable enclosure and is suitable for a wide array of applications ranging from Bar and nightclub Installations to Mobile DJ setups.

Safety information

This section contains important safety instructions that must be followed to reduce the risk of injury, damage to the product, or damage to other equipment. Read all safety information before installing, operating, or servicing the product. Failure to follow these instructions may result in personal injury, property damage, or impaired product performance.

Warning

- To prevent the risk of fire or electric shock, do not expose any of the components to rain or moisture.
- If liquids are spilled on any component, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use.
- Avoid impact or heavy vibration to any of the components.
- No user serviceable parts inside.
- Refer servicing to qualified service personnel.

Placement

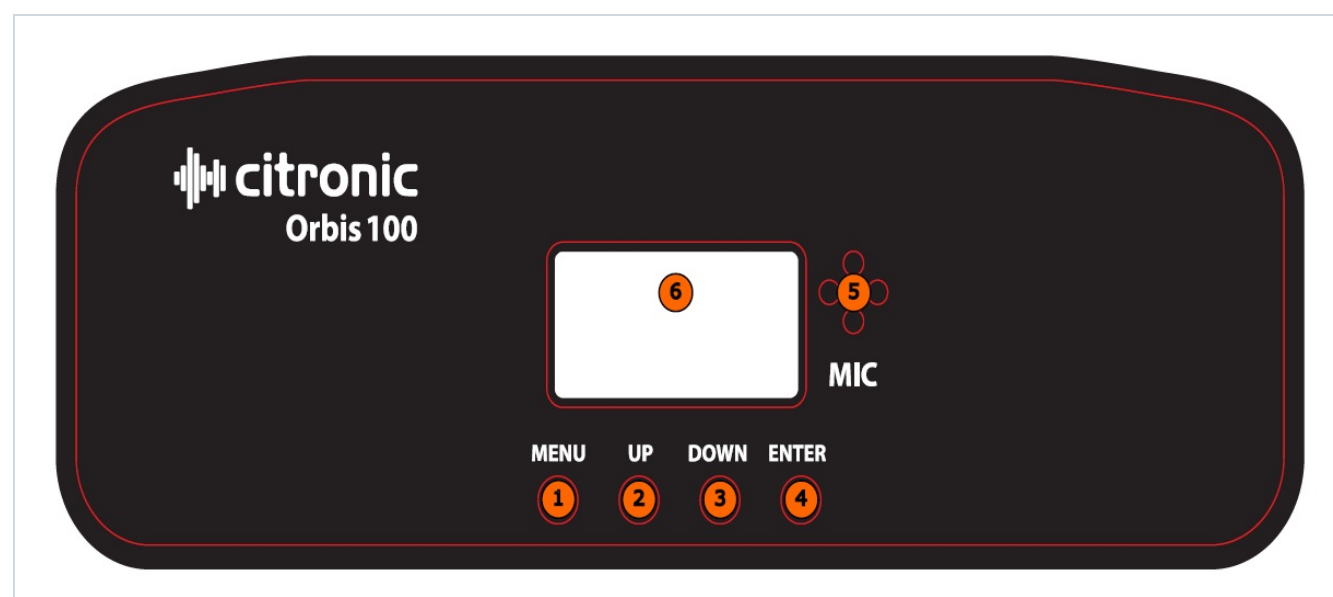
- Keep the unit out of direct sunlight and away from heat sources.
- Keep the unit away from moisture or dusty environments.
- Allow adequate space for cooling around the unit.
- Do not place heavy objects on top of the unit.

Cleaning

- Use a soft cloth with a neutral detergent to clean the housing as required.
- A soft brush can be used to clear debris from the unit without damaging it.
- Do not use solvents for cleaning the unit.

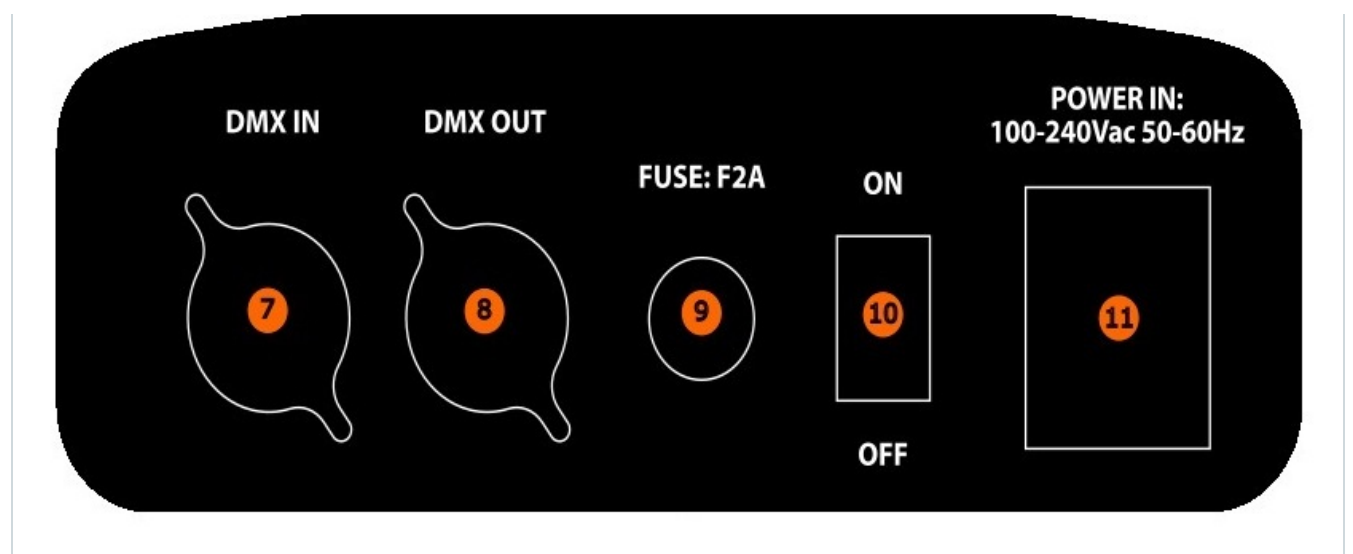
Controls and features

Front Panel



1. Menu
2. Up
3. Down
4. Enter
5. Internal Microphone
6. LED Display

Back Panel



- 7. DMX In
- 8. DMX Out
- 9. Fuse
- 10. Power Switch
- 11. Locking Power Inlet

Power requirements

- Power supply: 100–240 Vac, 50/60 Hz.
- Use only the supplied or approved power adapter.

Installation and setup

1. Unpack the unit and verify all supplied components are present.
2. Place the unit on a stable, level surface or attach to clamp.
3. Connect required cables as described below.
4. Apply power (if applicable).

Operation

Basic menu operation

- Press the **Menu** button to enter the settings **Menu**.
- Press the **Up** and **Down** buttons to navigate through the various setting functions.
- Press the **Enter** button to confirm the desired setting.

Menu	Options and Settings	Description
Addr	001–512	DMX Address Code
CHnd	11 / 14 CH Mode	DMX Channel Selection
SLnd	SL 1	Slave Mode
"	Auto	Auto Mode
"	Sound	Sound Mode
Shnd	Show 0–3	Show Modes
SEnS	10–100	Sound Sensitivity
LED	On / Off	Display Screen
DISP	Yes	Display Screen Normal
"	No	Display Screen Inverted
rPAn	No	Pan Inversion
"	Yes	Pan Inversion Enabled
rtil	No	Tilt Inversion
"	Yes	Tilt Inversion Enabled
Pant	0–540 Deg	Pan Range Adjustment
T.lt	0–200 Deg	Tilt Range Adjustment
rEST	rST	Reset
C...	–	Temperature Control Display
Load		Restore Factory Setting

Show mode

1. Press the **Menu** button until **SLnd** is displayed, and press **Enter**, now select **Auto** using the **Up-** and **-Down-** buttons and press **_Enter**.
2. Press the **Menu** button again until **Shnd** is displayed and press **Enter**, Now select from Show **0-3** using the **Up-** and **-Down-** buttons and press **_Enter**.
3. The unit will now operate in pre-programmed show mode.

Sound mode

1. Press the **Menu** button until **SEnS** is displayed, and press **Enter**, Now select your desired sound sensitivity level from **10-100** using the **_Up-** and **-Down-** buttons with **100** being the most sensitive.

2. Press the **Menu** button Again until **SLnd** is displayed and press **Enter**, Now select **Sound** using the **Up-** and **-Down-** buttons and press **_Enter**.
3. The unit will now operate with Sound to Light feature.

Slave mode

1. Connect a dmx cable from the master unit or an additional slave unit chain to the DMX input.
2. Press the **Menu** button until **SLnd** is displayed and press **Enter**, Now select **SL 1** using the **Up-** and **-Down-** buttons and press **_Enter**.
3. The unit will now operate as a slave unit to copy the desired setting of the master unit.

Pan/Tilt Range Adjustment

1. Press the **Menu** button until either **Pant** or **T.It** is displayed and press **Enter**.
2. Now select the desired range of either pan and tilt using the **Up-** and **-Down-** buttons and press **_Enter**.
3. This will now adjust the unit pan and tilt range to suit requirements.

DMX Operation

DMX Address Setting

1. Press the **Menu** button until **Addr** is displayed and press **Enter**.
2. Press the **Up** or **Down** buttons to find your desired address. Press **Enter** to set your desired DMX address

Channel Mode Setting

1. Press the **Menu** button until **CHnd** is displayed then press **Enter**.
2. Press the **Up** or **Down** buttons to find your desired DMX channel mode and press **Enter** to confirm.

DMX Traits

11 CH	14 CH	Setting	DMX Value	Function
CH 1	CH 1	Dimmer	000–255	LED Dimmer
CH 2	CH 2	Open	000–009	Strobe
"	"	Slow → Fast	010–249	Strobe
"	"	Open	250–255	Strobe
CH 3	CH 3	0–540°	000–255	Pan
	CH 4	Fine	000–255	Fine Pan
CH 4	CH 5	0–200°	000–255	Tilt
	CH 6	Fine	000–255	Fine Tilt
CH 5	CH 7	Fast → Slow	000–255	Pan/Tilt Speed
CH 6	CH 8	Open	000–009	Color
"	"	Red	010–019	"
"	"	Yellow	020–029	"
"	"	Blue	030–039	"
"	"	Green	040–049	"
"	"	Purple	050–059	"
"	"	Cyan	060–069	"
"	"	Orange	070–079	"
"	"	Color Scroll Fwd	080–167	"
"	"	Color Scroll Rev	168–255	"
CH 7	CH 9	Open	000–009	Gobo
"	"	Gobo 1	010–019	"
"	"	Gobo 2	020–029	"
"	"	Gobo 3	030–039	"
"	"	Gobo 4	040–049	"
"	"	Gobo 5	050–059	"
"	"	Gobo 6	060–069	"
"	"	Gobo 7	070–079	"
"	"	Gobo Shake	080–149	"
"	"	Gobo Scroll S–F	149–255	"
CH 8	CH 10	Prism Close	000–099	Prism
"	"	Prism Open	100–127	"
"	"	Prism Rotate S–F	128–255	"
	CH 11	No Function	000–029	Auto / Sound
	"	Show 0	030–059	"
	"	Show 1	060–089	"
	"	Show 2	090–119	"
	"	Show 3	120–149	"
	"	Sound Show 0	150–179	"
	"	Sound Show 1	180–200	"

		Sound Show 1	180-209	
	"	Sound Show 2	210-239	"
	"	Sound Show 3	240-255	"
CH 9	CH 12	No Function	000-249	Reset
"	"	Full Reset	250-255	"
CH 10	CH 13	No Function	000-004	RGB Ring
"	"	Red	005-014	"
"	"	Green	015-024	"
"	"	Blue	025-034	"
"	"	Yellow	035-044	"
"	"	Purple	045-054	"
"	"	Cyan	055-064	"
"	"	White	065-074	"
"	"	Effect Macros	075-255	"
CH 11	CH 14	Speed F-S	000-255	RGB Ring Macro Speed

Maintenance

- Regular maintenance is required to ensure the product's longevity.
- Inspect cables and connectors periodically.

Troubleshooting

If the unit does not operate as expected, consult the table below before contacting technical support. Many common issues can be resolved by checking connections, power sources, or settings.

Before proceeding

- Ensure the unit is installed and operated according to this manual.
- Verify that all connections are secure.
- Restore the unit to its default or minimum configuration before troubleshooting.

Before any maintenance

- Switch off the unit and disconnect it from the power source (if applicable).
- Allow the unit to cool before handling.
- Do not remove covers or attempt internal repairs.

Common issues

The following table lists common issues and corrective actions that do not require opening the unit.

Fault	Test Notes
No power (mains)	Check mains voltage is correct and outlet is switched on
"	Check lead and fuse
No Light Output	Check Unit is set to Auto or Sound Mode if being used Stand Alone
"	Check DMX settings from controller (dimmer levels, blackout)
Unresponsive to DMX	Check the unit is set to the correct DMX Address
"	Check the unit is set to the correct DMX Channel Mode
"	Check DMX Connection and Leads
"	Check DMX Controller is not Set to Blackout
"	Check DMX Controller is set to the correct fixture
Overheating/Cutting Out	Ensure adequate ventilation and unit is not too close to a heat source

Disposal and recycling

Dispose of this product in accordance with local environmental regulations. Do not dispose of electronic equipment with household waste.

Compliance





This product complies with applicable safety and EMC standards.

Specification

Specification	Value
LED : power	100W White Led 12000k + Outer Ring 21pcs 5050 strobe leds
Beam angle	2.8°
Lux	@5m - 25185lux
Modes	Auto, Sound, Master/Slave and DMX512
DMX channels	11 or 14CH
Pan range	540°
Tilt range	200°
DMX connection	3 Pin DMX (In/Out)

Power connection	Power in (twist and lock)
Power supply	110-240 Vac, 50/60 Hz
Power consumption	120W
Fuse	F2A
Dimensions	165mm x 200mm x 300mm
Weight	3.8 Kg

Precautions

	CAUTION		 This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit
	RISK OF ELECTRIC SHOCK DO NOT OPEN		
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL			 This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit

Safety Notice

1. Prior to use, read through this safety guide.
2. Pay attention to safety warnings.
3. Observe all operating requirements.
4. For any items designed for indoor use only, do not operate near water or in humid environments.
5. For cleaning, only use a lint-free, dry cloth.
6. Install according to the specifications.
7. Place away from heat sources or heating appliances.
8. During placement, ensure adequate support for the product and access to controls and connectors.
9. Do not obstruct any cooling vents or openings and allow adequate space for air flow.
10. Use only power connections supplied with the product or suitable equivalents.
11. Do not modify the equipment in any way.
12. For any mains powered appliances, ensure that the mains voltage is as described in the specifications.
13. Keep powered products and batteries away from the reach of children.
14. In case of malfunction, water ingress or other damage, consult qualified service personnel.
15. Avoid pressure or impact to the housing that may result in damage when transporting or installing this product.
16. For any Earthed mains product, ensure that the power supply has a protective Earth connection.
17. Keep all packaging materials out of reach of children.



Indoor use only : The "House" symbol identifies electrical equipment designed primarily for indoor use.



Disposal : The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.



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Errors and omissions excepted. Last updated 26/02/2026