

Orbiter®

Control Panel

USER MANUAL

L5.0038720

11 / 2020



Revision History

Date	Revision	Changes	Revisor
20-11-10		First release	mfg

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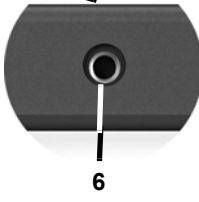
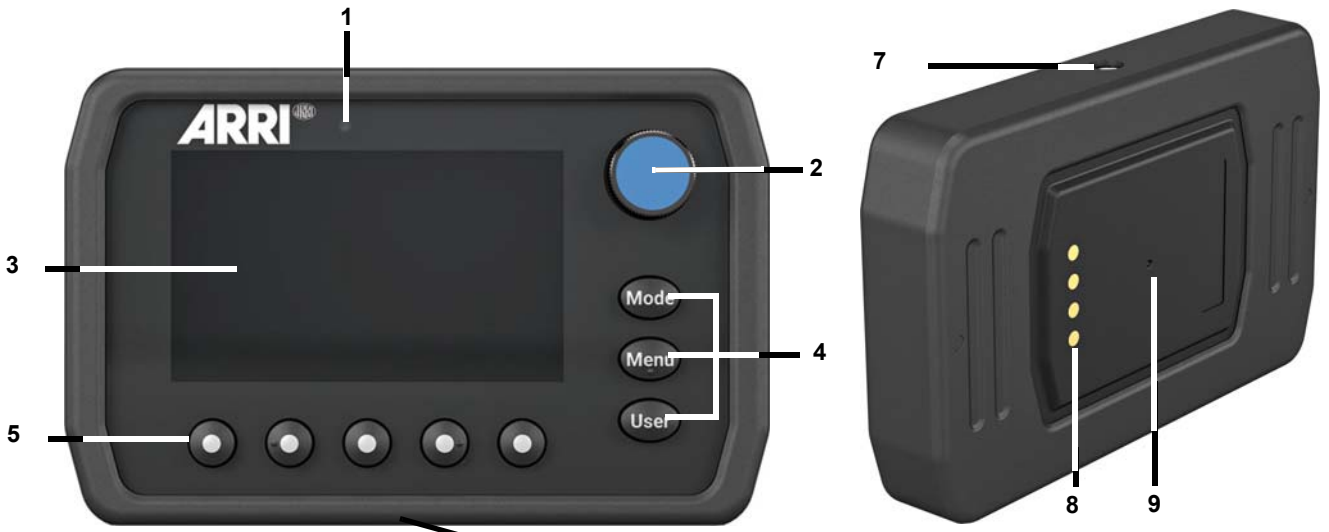
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Overview



- 1 Sensor for display illumination
- 2 Encoder
- 3 Display
- 4 Menu buttons
- 5 Quick buttons
- 6 Thread for D ring
- 7 4-pin Lemo connector
- 8 Connectors to luminaire
- 9 Neodym magnet



Display shown with closed menu, CCT mode


Safety Information


Always follow these instructions and instructions printed on the product or given in the documentation shipped with the product to protect against injury to yourself and damage to the product or other objects.

Risk Levels and Alert Symbols

Safety warnings, safety alert symbols, and signal words in these instructions indicate different risk levels:

 DANGER
<i>DANGER</i> indicates an imminent hazardous situation which, if not avoided, will result in death or serious injury.

 WARNING!
<i>WARNING</i> indicates a potentially hazardous situation which, if not avoided, may result in death or serious injury.

 CAUTION
<i>CAUTION</i> indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTICE
<i>NOTICE</i> explains practices not related to physical injury. No safety alert symbol appears with this signal word.

Warnings

WARNING!



Humidity and condensation. Risk of electric shock and fire.

Use the control panel only as described in this manual.

Do not open or modify the control panel.

Do not use the product for 2 h when it was exposed to big temperature differences as condensed moisture may damage the product electrically when switched on.

Do not bend the connector cable directly after the connector. Water could immerse and cause short circuits and damage the connector.

WARNING!

Overheating! Risk of fire.

Do not operate the product if the ambient temperature exceeds 45° C.

Never point a light beam from another luminaire to the display. Do not place the product on or nearby heat sources. Intense heat cause damage to the product or automatic power off during operation.

WARNING!

Drop Out of Control Panel - Danger of Injury!



Always check that the control unit is mounted securely in the fixture. Danger of injury through falling control panel.

General Precautions

Maintenance Information

NOTICE

Do not clean the surface of the product with solvents or strong detergents.

Clean the product with a soft cloth wetted with a mild detergent. Do not rub the surface: lift stuck particles off with a soft repeated press.

Clean soiled electric contacts with cotton swabs wetted with isopropyle alcohol.

Keep electric contacts clean and let corroded parts be replaced by a certified ARRI service partner.

Only use disinfectants with a maximum alcohol content of 70% to disinfect the product.

Intended Use

NOTICE

The control panel is an optional accessory for the ARRI Orbiter. It is intended to control the luminaire. Always follow the safety information. Any usage other than described above is not permitted and can damage the product and lead to associated risks such as short-circuit, fire, electric shock, etc. You are not allowed to modify the product.

Introduction

The Orbiter control panel is designed for intuitive control of the Orbiter LED luminaire.

Redesigned from the ground up, the Orbiter control panel is an evolutionary step in light fixture control. Including a 4" full-color display, quick navigation buttons, and integrated sensors, the Orbiter control panel allows for easy use with a graphic user interface. Simplified menu structure and reimagined user interfaces provide one-glance operational views and uncluttered screens.

This intuitive design makes changing colors or finding a setting easier than ever before. In addition, the control panel is removable and can be used handheld with the aid of a connector cable.

Please find more detailed information about the features of the Orbiter in the user manual for the Orbiter. You will find the user manual for free download in the download section of the ARRI website www.arri.com.

Unpacking

NOTICE

Product and packaging contain recyclable materials. Always store, ship, and dispose of according to local regulations.

ARRI is not liable for consequences from inadequate storage, shipment or disposal.

The control panel is shipped with the following accessories:

- Pouch
- Lanyard
- D ring
- Velcro
- Short instruction

Connector cables for remote use of the Orbiter control panel need to be ordered separately:

- L2.0033799, Connector cable for control panel, 5 m
- L2.0033800, Connector cable for control panel, 15 m




To use the Control Panel

The optional control panel for the Orbiter can be used directly at the fixture or via a connector cable remote from the Orbiter. When used directly on the Orbiter, the control panel is held magnetically in the recess at the rear of the fixture (see figure below). The control panel for the Orbiter automatically connects to the fixture when it is inserted into the recess.



⚠ WARNING!

Strong Neodym Magnet - Danger of Injury!

Neodym magnets are extremely powerful.

The very strong force between the magnets can cause serious injuries. Fingers and other parts of the body can be trapped between two magnets.

Strong magnets can affect the operation of pacemakers or other implanted medical devices.

To Remove and to Insert the Control Panel

The control panel may be removed and inserted with the fixture powered. The last setting of the fixture is retained when the control panel is removed.

To remove the control panel:

- Push the control panel slightly to the left.
- Lift the control panel out of the recess on the right.
- Pull the control panel to the right out of the recess.

To insert the control panel:

- Push the control panel diagonally to the left into the recess.
- Press the right side of the control panel into the recess and push it to the right until it locks in place. The control panel is magnetically fixed in the recess. When the fixture is powered, the control panel is ready for operation after a short time.

To Connect and Disconnect the Control Panel Cable

Plug the 4-pin Lemo connector of the connector cable into the device connector of the Orbiter and the control panel. Do not use force when plugging in the connector. Align the red dot of the line connector with the red dot of the device connector. It indicates the correct position of the line connector to the device connector. The connector locks automatically. Pull the ring of the Lemo connector backwards to unlock and pull the connector out.

NOTICE

The control panel can be used directly at the Orbiter or via a connecting cable remote from the Orbiter. If two control panels are used, the control panel on the connecting cable has priority.






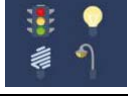



Function and Behavior of the Control Elements












The following overview shows the functions and behavior of the control elements.




Element	Input	Result
Encoder	Turn	Change the value of the selected parameter.
		Scroll through a list or icons (e.g. effects, source, gels) on the display.
	Single press	<ul style="list-style-type: none"> • Select marked element on the display, confirm or change value. • Jump one level up.
		When Intensity is selected: Toggle between recent intensity and blackout.
	Double press	No function
		Extended Color Control (ECC): Set the selected parameter on its default value.
Triple press	No function	
	Extended Color Control (ECC): Set all parameters to their default values.	
MODE	Short press	Open the MODE menu
	Long press	Save the recent color mode and its settings as a favorite.
MENU	Short press	Open the MENU menu
	Long press	Lock and unlock (> 3 seconds) control panel.
USER	Short press	Open the USER menu
	Long press	Open programmer view of USER buttons.
Quick buttons	Short press	Calls up the assigned function of the upper row.
	Long press	Calls up the assigned function of the lower row.

Status Bar

The status bar is located at the top of the display. It displays the current mode, various status symbols and text messages. The following overview shows the symbols and their meaning.

Area	Symbol	Mode
MODE		CCT
		HSI
		X,Y Coordinates
		RGBACL
		Gel Selection
		Source Matching
		Effect
		Color Sensor
		Favorites

Area	Symbol	Explanation
STATUS SYMBOLS		Extended Color Control
		Blackout
		Control Panel locked
		Active Network connection
		High Speed mode
		Tungsten mode
		Calibrated RGBACL color space
		Warning Battery power
		Error Battery power
		Warning Temperature
		Error Temperature too high

Text message	Explanation	Symbol
Status OK	Fixture ready. No error messages or warnings present.	
Receiving: DMX	Fixture receives a valid DMX signal.	
Receiving: Art-Net	Fixture receives a valid Art-Net signals.	
Receiving: Art-Net w / Gateway	Fixture receives a valid Art-Net signal. Gateway active.	
Receiving: sACN	Fixture receives a valid sACN signal.	
Receiving: sACN w / Gateway	Fixture receives a valid sACN signal. Gateway active.	
Receiving: CRMX	Fixture receives a valid CRMX signal. (wireless DMX)	
DMX lost	Fixture lost the DMX signal.	
No Calibration Data	No calibration data found.	
Communication Error	Communication error	

Menu Structure

The buttons MODE, MENU and USER each open a menu with different contents. The tables below show an overview of the menu's content:

MODE	
CCT	Intensity ECC CCT G/M
HSI	Intensity ECC Hue Saturation
X,Y Coordinates	Intensity ECC x Value y Value
RGBACL	Intensity ECC Red Amber Green Cyan Blue Lime Calibration
Gel Selection	Intensity ECC Gel Brand Category Base CCT No Color
Source Matching	Intensity ECC Category Source
Effect	Candle Clouds Passing Club Lights Cop Car Explosion Fire Fireworks Fluorescent Flicker Lightning Paparazzi Party Effect Pulsing Strobe Television Welding
Color Sensor	Intensity ECC Sensor Calibration Momentary Continuous Help Activate
Favorites	





MENU	
Light Control	Host/Client Mode Operational Mode Dimming Curve Tungsten Mode High Speed Mode Color Sensor Mode Color Sensor Calibration RGBACL Color Space
DMX	Address Mode Loss Behaviour Mode Specification Reduce Channels Extended Color CRMX State CRMX Link Transition Type Termination RDM State DMX/RDM Gateway Valid Filter
Network Settings	Connection IP Address Network Mode Subnet Mask Gateway Address DNS 1 DNS 2 Timeserver Logserver Bonjour State MAC Address
Art-Net & sACN	Art-Net/sACN State Art-Net Universe Art-Net Sub Uni Merge Mode sACN Universe
Flash Drive Functions	Save Color Favorites Load Color Favorites Save Fixture Settings Load Fixture Settings Save System logs Update Firmware
Display Setup	Auto Adjust Display Backlight Display Brightness Screen Mode Display Orientation Zoomed-In View
Fixture Info	Status Data Power Errors Light Engine Temp Fixture Orientation Light Engine Hours System Hours Fixture Firmware Version Control Panel Serial Number Optics
Fixture Settings	Language
Factory Reset	







USER
User Button 1
User Button 2
User Button 3
User Button 4
User Button 5
User Button 6
User Button 7
User Button 8
User Button 9
User Button 10








Menu Structure „Mode“




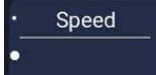






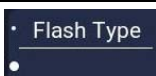
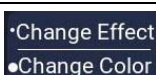

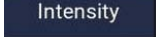






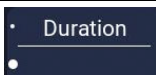



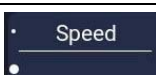



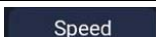

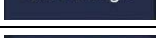
From firmware 1.0.





After selecting an adjustable parameter (e.g. "Intensity"), a new menu opens. Adjust the parameters using the encoder or the quick buttons. The menu closes when no setting is changed for a few seconds or the quick button "Done" is pressed.

Level 1	Level 2	Level 3	Description
	<ul style="list-style-type: none"> Intensity ECC 		Intensity Extended Color Control
	<ul style="list-style-type: none"> CCT 		Correlated Color Temperature
	<ul style="list-style-type: none"> G/M 		Green-Magenta Point
		<ul style="list-style-type: none"> Back 	Back to effect
	<ul style="list-style-type: none"> Intensity ECC 		Intensity Extended Color Control
	<ul style="list-style-type: none"> Hue 		Hue
	<ul style="list-style-type: none"> Saturation 		Saturation
		<ul style="list-style-type: none"> Back 	Back to effect
	<ul style="list-style-type: none"> Intensity ECC 		Intensity Extended Color Control
	<ul style="list-style-type: none"> x Value 		X Value of hue
	<ul style="list-style-type: none"> y Value 		Y Value of hue
		<ul style="list-style-type: none"> Back 	Back to effect
	<ul style="list-style-type: none"> Intensity ECC 		Intensity Extended Color Control
	<ul style="list-style-type: none"> Red Amber 		Intensity „Red“ Intensity „Amber“
	<ul style="list-style-type: none"> Green Cyan 		Intensity „Green“ Intensity „Cyan“
	<ul style="list-style-type: none"> Blue Lime 		Intensity „Blue“ Intensity „Lime“

Level 1	Level 2	Level 3	Description
	<ul style="list-style-type: none"> Calibration 	<ul style="list-style-type: none"> Intensity ECC 	Intensity Extended Color Control
		<ul style="list-style-type: none"> Cal. to On 	Activate or deactivate calibration (toggle switch)
		<ul style="list-style-type: none"> CCT 	Correlated Color Temperature, when calibration active
		<ul style="list-style-type: none"> G/M 	Green-Magenta Point, when calibration active
		<ul style="list-style-type: none"> Done 	Confirm setting and close menu
			Back
	<ul style="list-style-type: none"> Intensity ECC 		Intensity Extended Color Control
	<ul style="list-style-type: none"> Gel 		Gel
	<ul style="list-style-type: none"> Brand 		Select gel manufacturer (Rosco / Lee) and open the corresponding gel library.
	<ul style="list-style-type: none"> Category Base CCT 		Category Base color temperature
	<ul style="list-style-type: none"> No Color 		Remove all gels from beam
		Back	Back to effect
	<ul style="list-style-type: none"> Intensity ECC 		Intensity Extended Color Control
	<ul style="list-style-type: none"> Category 		Light source, category
	<ul style="list-style-type: none"> Source 		Light source, type
			Back
		Intensity	Intensity
		Speed	Speed
		CCT Range	Correlated Color Temperature
		Change Effect	Select different effect
		Intensity	Intensity
		Speed	Speed
		Offset	Offset between fixtures
		Sync	Synchronize effect
		Change Effect	Select different effect

Level 1	Level 2	Level 3	Description
		Intensity	Intensity
		Speed	Speed
		Color Variety	Color variety
		Change Effect	Select different effect
		Intensity	Intensity
		Color Combo	Color combination
		Flash Pattern	Flash pattern
		Change Effect	Select different effect
		Intensity	Intensity
		Trigger	Trigger (start) effect
		Decay	Delay
		Change Effect Change Color	Select different effect Open „color mode“ menu
		Intensity	Intensity
		Speed	Speed
		CCT Range	Correlated Color Temperature
		Change Effect	Select different effect
		Intensity	Intensity
		Speed	Speed
		Colors	Color combination
		Change Effect	Select different effect
	Intensity	Intensity	
	Speed	Speed	
	Frequency	Flicker frequency	
	Change Effect Change Color	Select different effect Open „color mode“ menu	

Level 1	Level 2	Level 3	Description
	 Lightning		Intensity
			Speed
			Flash frequency
			Synchronize with other fixtures
			Select different effect Open „color mode“ menu
	 Paparazzi		Intensity
			Speed
			Type of flashlight
			Select different effect Open „color mode“ menu
	 Party Effect		Intensity
			Speed
			Saturation
			Select different effect
	 Pulsing		Intensity
			Puls frequency
			Puls duration
			Select different effect Open „color mode“ menu
	 Strobe		Intensity
			Speed
			Select different effect Open „color mode“ menu
 Television		Intensity	
		Speed	
		Correlated Color Temperature	
		Select different effect	

Level 1	Level 2	Level 3	Description
		<ul style="list-style-type: none"> Intensity 	Intensity
		<ul style="list-style-type: none"> Speed 	Speed
		<ul style="list-style-type: none"> Min. Level 	Minimum intensity
		<ul style="list-style-type: none"> Change Effect Change Color 	Select different effect Open „color mode“ menu
	<ul style="list-style-type: none"> Intensity ECC 		Intensity Extended Color Control
	<ul style="list-style-type: none"> Sensor Cal. 		Sensor calibration (Tungsten, Daylight, LED, raw data)
	<ul style="list-style-type: none"> Momentary 		Apply present ambient light
	<ul style="list-style-type: none"> Continuous Help 		Follow ambient light Context sensitive help
	<ul style="list-style-type: none"> Activate 	<ul style="list-style-type: none"> Back 	Activate color sensor mode or Back to effect
		<ul style="list-style-type: none"> Delete Favorite 	Select or delete favorite

Menu Structure „Menu“



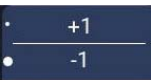
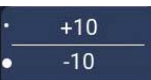
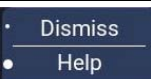


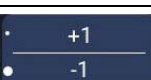
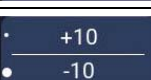
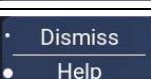


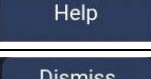
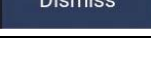

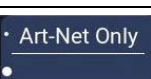



Level 1	Level 2	Level 3	Description
Light Control	Host/Client Mode Off	Off	Host/Client mode disabled
		On	Host/Client mode enabled
		Help	Context sensitive help
		Dismiss	Close menu
	Operational Mode High Color Rendering	High Color	Optimized for best color rendition
		High Output	Optimized for high intensity
		Low Noise	Optimized for silent operation
		Help	Context sensitive help
		Dismiss	Close menu
	Dimming Curve Exponential	Exponential	Exponential dimming curve
		Logarithmic	Logarithmic dimming curve
		Linear	Linear dimming curve
		"S" Curve	"S" shaped dimming curve
		Dismiss Help	Close menu Context sensitive help
	Tungsten Mode Off	Off	Tungsten mode disabled
		On	Tungsten mode enabled
		Help	Context sensitive help
		Dismiss	Close menu
	High Speed Mode Off	Off	Highspeed mode disabled
		On	Highspeed mode enabled
		Help	Context sensitive help
		Dismiss	Close menu
	Color Sensor Mode Momentary	Momentary	Apply present ambient light
		Continuous	Follow ambient light
Help		Context sensitive help	
Dismiss		Close menu	

Level 1	Level 2	Level 3	Description	
Light Control	Color Sensor Calibration Tungsten	Help	Context sensitive help	
		Dismiss	Close menu	
	RGBACL Color Space Direct	Direct	Direct color mixing (optimized for intensity)	
		Calibrated	Calibrated color mixing (optimized for color rendition)	
		Help	Context sensitive help	
		Dismiss	Close menu	
	DMX	Address 001	- Footprint -10	DMX address - footprint DMX address -10
			+ Footprint +10	DMX address + footprint DMX address +10
-1 -100			DMX address -1 DMX address -100	
+1 +100			DMX address +1 DMX address +100	
Dismiss Help			Close menu Context sensitive help	
Mode ---			Supported DMX modes: 01: CCT & RGBACL 8 bit 02: CCT 8 bit 03: CCT & HSI 8 bit 04: RGBACL 8 bit 05: HSI 8 bit 06: CCT & RGBACL 16 bit 07: CCT 16 bit 08: CCT & HSI 16 bit 09: RGBACL 16 bit 10: HSI 16 bit 11: Gel selection 8 bit 12: Gel selection 16 bit 13: x,y coordinates 8 bit 14: x,y coordinates 16 bit 15: Source matching 8 bit 16: Source matching 16 bit 17: Lighting effects 8 bit 18: Lighting effects 16 bit 19: Ultimate DMX mode 8 bit 20: Ultimate DMX mode 16 bit	
		Help	Context sensitive help	
		Dismiss	Close menu	
		Loss Behaviour Hold Last Command	Hold Last	Hold last received DMX values
Black Out			Black out	
H2MFO			Hold last received DMX values 2 minutes, then black out	
Help			Context sensitive help	
Dismiss			Close menu	

Level 1	Level 2	Level 3	Description
DMX	Mode Specification 4.5	X.Y	Active DMX specification (only information, future firmware versions with selection)
		Help	Context sensitive help
		Dismiss	Close menu
	Reduce Channels Off	Off	Reduce DMX channels off
		On	Reduce DMX channels active
		Help	Context sensitive help
		Dismiss	Close menu
	Extended Color Off	Off	Extended color control disabled
		On	Extended color control enabled
		Help	Context sensitive help
		Dismiss	Close menu
	CRMX State Off	Off	CRMX disabled
		On	CRMX enabled
		Help	Context sensitive help
		Dismiss	Close menu
	CRMX Link Unlinked	Unlink	Unlink CRMX connection
		Help	Context sensitive help
		Dismiss	Close menu
	Transition Type Direct	• Direct	Direct transition
		• White	Transition through white point
		• Black	Transition through black point
		• Over	Transition over white point
		• Under	Transition under white point
	Termination Off	Dismiss	Close menu
		• Help	Context sensitive help
		Off	DMX data line terminated
		On	DMX data line not terminated
		Help	Context sensitive help
	Dismiss	Close menu	

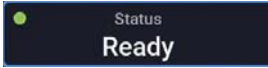

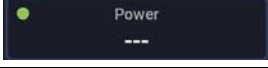





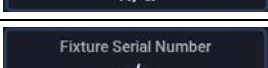

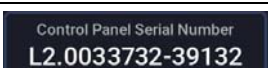

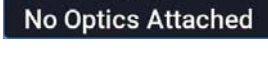


Level 1	Level 2	Level 3	Description
DMX	RDM State On	Off	RDM disabled
		On	RDM enabled
		Help	Context sensitive help
		Dismiss	Close menu
	DMX/RDM Gateway On	Off	Gateway disabled
		On	Gateway enabled
		Help	Context sensitive help
		Dismiss	Close menu
	Valid Filter On	Off	DMX valid filter disabled
		On	DMX valid filter enabled
		Help	Context sensitive help
		Dismiss	Close menu
Network Settings	Connection Not connected	Not connected	No network connection
		Connected	Active network connection
	IP Address -.-.-	<-	Change to block on the left
		-->	Change to block on the right
		+1 -1	Address +1 Address -1
		+10 -10	Address +10 Address -10
		Dismiss Help	Close menu Context sensitive help
		Network Mode DHCP	DHCP Auto IP
	Art-Net 2.x		
	Art-Net 10.x		
	Manual		
	Dismiss Help		Close menu Context sensitive help

Level 1	Level 2	Level 3	Description
Network Settings	Subnet Mask -.-.-.-	/8	Subnet 255.000.000.000
		/16	Subnet 255.255.000.000
		/24	Subnet 255.255.255.000
		Dismiss Help	Close menu Context sensitive help
	Gateway Address -.-.-.-	<--	Change to block on the left
		-->	Change to block on the right
		+1 -1	Address +1 Address -1
		+10 -10	Address +10 Address -10
		Dismiss Help	Close menu Context sensitive help
		DNS 1 -.-.-.-	<--
	-->		Change to block on the right
	+1 -1		Address +1 Address -1
	+10 -10		Address +10 Address -10
	Dismiss Help		Close menu Context sensitive help
	DNS 2 -.-.-.-		<--
		-->	Change to block on the right
		+1 -1	Address +1 Address -1
		+10 -10	Address +10 Address -10
		Dismiss Help	Close menu Context sensitive help

Level 1	Level 2	Level 3	Description
Network Settings	Timeserver -.-.-		Change to block on the left
			Change to block on the right
			Address +1 Address -1
			Address +10 Address -10
			Close menu Context sensitive help
	Logserver -.-.-		Change to block on the left
			Change to block on the right
			Address +1 Address -1
			Address +10 Address -10
			Close menu Context sensitive help
	Bonjour State On		Bonjour disabled
			Bonjour enabled
			Context sensitive help
			Close menu
MAC Address n/a		Fixture's MAC address	
Art-Net & sACN	Art-Net/sACN State Automatic		Automatic recognition
			Art-Net only
			sACN only
			Network protocols disabled
			Close menu Context sensitive help

Level 1	Level 2	Level 3	Description
Art-Net & sACN	Art-Net Universe 0		Change to digit on the left
			Change to digit on the right
			Address -1
			Address +1
			Close menu Context sensitive help
	Art-Net Net Sub Uni Net 0 Sub 0 Uni 0		Displays Art-Net Net, Sub-Net and universe
	Merge Mode Last Takes Preced.		Last received value takes precedence
			Highest received value takes precedence
			Context sensitive help
			Close menu
	sACN Universe 0		Change to digit on the left
			Change to digit on the right
			Address -1
			Address +1
			Close menu Context sensitive help
Flash Drive Functions		Save color favorites to flash drive	
		Load color favorites from flash drive	
		Save fixture settings to flash drive	
		Load fixture settings from flash drive	
		Save system logs to flash drive	
		Update firmware	

Level 1	Level 2	Level 3	Description	
Display Setup	Auto Adjust On	Off	Automatic brightness adaption disabled	
		On	Automatic brightness adaption enabled	
		Help	Context sensitive help	
		Dismiss	Close menu	
	Display Backlight Always on	Always On	Display illumination stays on	
		10 Sec Off	Display illumination switches off 10 seconds after last key press	
		Help	Context sensitive help	
		Dismiss	Close menu	
	Display Brightness Auto Adjust		Shows the settings of the menu „Auto Adjust“	
	Display Setup	Screen Mode Dark	Dark	Dark background
			Light	Light background
			Auto Switch	Automatic switch from dark background to light background and vice versa depending on ambient brightness
			Dismiss Help	Close menu Context sensitive help
Display Orientation Automatic		Automatic	Automatic adjustment of display orientation	
		Normal	Display orientation normal (Quick buttons below display)	
		Upside Down	Display upside down (Quick buttons above display)	
		Help	Context sensitive help	
		Dismiss	Close menu	
Zoomed-In View Enable		Disable	Normal view	
		Enable	Zoomed-In view	
		Help	Context sensitive help	
		Dismiss	Close menu	

Level 1	Level 2	Level 3	Description
Fixture Info			Fixture status
			Displays the received protocol: - No protocol received (No Activity) - DMX - CRMX - Host/Client mode - Art-Net & Gateway - Art-Net - sACN & Gateway - sACN - Communication error
			Power source (Mains voltage or battery pack)
			Error state No errors or error log
			Light engine temperature (°C or °F)
			Fixture orientation (Pitch, Roll and Heading)
			Light engine operation hours
			Fixture operation hours
Fixture Info			Fixture firmware version
			Fixture serial number
			Control panel firmware version
			Control panel serial number
			Recognized optics: - No Optics Attached - Open Face optics OK - Projection optics OK - Open Face optics ERROR - Projection optics ERROR
Fixture Settings			Menu language
			Reset fixture to factory settings (must be confirmed)

Menu Structure „User“

The "User" menu is intended for programming the 10 user buttons. Press a User Button and select the desired function with the encoder.

Technical Data

Physical

Wide	155 mm (6.1 in)
Height	34 mm (1.3 in)
Depth	101 mm (4 in)
Weight	0,35 kg (0.77 lbs)

Construction

Color	Black
Housing	Plastic housing
IP rating	IP24 (with optional Orbiter raincover L2.0037805 and mounted in recess) IP20 (without optional Orbiter raincover or used remote from luminaire)

Installation

Mounting	Mounting in fixture recess, magnetic holder
Minimum and maximum ambient temperature t_a	-20° C bis +45° C (-4° F to 113° F)
Protection class	III
Power input	42 V ==

Connectors

Connector to luminaire, when placed in fixture trough	4-pin connector bar
Connector cable	lockable 4-pin Lemo connector
Thread for D ring	1/4 "

Certifications

The Control Panel is a finished appliance that, in combination with other appliances, forms the single functional unit Orbiter. An overview of the available certificates of the single functional unit Orbiter can be found in the document *Orbiter Safety and Installation manual*.

Packed items

Control panel, pouch, ARRI lanyard, D ring, Velcro, Short instruction

Firmware

The latest firmware can be found at www.arri.com/lios.



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