

IMPORTANT: Please note all the default setting are highlighted in a grey color

Display shortcut:

Factory Reset: Press “Mode” and “Enter” together for one second.

Convert the display: Press top and bottom buttons in the home menu for holding 3 seconds.

Battery display: Long press the right button for holding 3 seconds without connecting the power to set the menu parameter.

Web server:

User name and password is admin.

SETUP

Main Menu	Level 1	Level 2	Level 3	Choices / Values
SETUP	Basic Engine	Mode	→	STD RGBW
				STD RGBW 16 bit
				Shape RGBW
				Shape RGBW 16 bit
				Advanced
		Source	→	DMX
				Art-Net
				sACN
	Universe	→	000 – 255	
	DMX Address	→	001 – 512	
	Pixels Engine	Mode	→	Disabled
				RGB
		Source	→	DMX
				Art-Net
				Kling-Net
				sACN
	Universe	→	000 – 255	
	DMX Address	→	001 – 512	
	Strobe Engine	Mode	→	Disabled
				Enable
		Source	→	DMX
Art-Net				
Kling-Net				
			sACN	

Main Menu	Level 1	Level 2	Level 3	Choices / Values	
		Universe	→	000 – 255	
		DMX Address	→	001 – 512	
	Ethernet Interface	Custom IP Address	IP address byte 1		0 – 255
			IP address byte 2		0 - 255
			IP address byte 3		0 - 255
	IP address byte 4			0 – 255	
	Ethernet to DMX	Custom IP Mask	IP mask byte 1		0 - 255
			IP mask byte 2		0 - 255
	IP mask byte 3			0 - 255	
	IP mask byte 4			0 – 255	
				No	
				Both Engine	
				Basic Engine	
				Pixels Engine	

OPTION

Main Menu	Level 1	Level 2	Level 3	Choices / Values	
OPTION	Display	→	→	On / Off	
	Fan Mode	→	→	Auto SLN Theatre Constant	
	Power Mode	→	→	STD Power ECO Power	
	Reverse Mapping	→	→	On / Off	
	Special Functions	Dimmer curve		→	Curve 1 Curve 2 Curve 3 Curve 4 Curve 5
			RGB Gamma	→	Gamma 1.0 Gamma 1.5 Gamma 2.2
			PWM Frequency	→	600 Hz 1200Hz 2000 Hz 4000 Hz 6000 Hz 25000 Hz
	Setting	Default Preset		→	Reset To Default Go Back
		User Preset 1		→	Load preset 1 Save to preset 1
		User Preset 2		→	Load preset 2 Save to preset 2
		User Preset 3		→	Load preset 3 Save to preset 3

INFORMATION

Main Menu	Level 1	Level 2	Level 3	Choices / Values
INFORMATION	System Errors	→	→	Read / Reset
	Fixture Hours	Total Hours	→	Read only
		Partial Hours	→	Reset / Go Back
	LED Hours	Total Hours	→	Read only
		Partial Hours	→	Reset / Go Back
	System Version	DISP	→	Fw.rev.
		NET	→	Fw.rev.
		CTR1-XY	→	Fw.rev.
		CTR2-MOTOR	→	Fw.rev.
	DMX Monitor	Functions	→	<i>DMX in value (BIT)</i>
	Fans Monitor	LED Fan	→	Percentage %
	Network parameters	→	→	IP Address
		→	→	IP Mask
→		→	MAC Address	
UID	→	→	UID: xxxxxxxxxxxxxx	

MANUAL CONTROL

Main Menu	Level 1	Level 2	Level 3	Choices / Values
MANUAL CONTROL	Reset	→	→	No / Yes
	Channels	→	→	Bit value

TEST

Main Menu	Level 1	Level 2	Level 3	Choices / Values
TEST	→	→	→	Colour
	→	→	→	All

ADVANCED

Main Menu	Level 1	Level 2	Level 3	Choices / Values			
ADVANCED	Access Code <u>1234</u>	Upload Firmware	→	Yes / No			
		Color Calibration	Factory Calibration	Red 1	125–255		
				Green 1	125–255		
				Blue 1	125–255		
				White 1	125–255		
				Red 2	125–255		
				Green 2	125–255		
				· ⋮			
				White 16	125–255		
				Red 1	125–255		
				Green 1	125–255		
		Blue 1	125–255				
		White 1	125–255				
		Red 2	125–255				
		Green 2	125–255				
		· ⋮					
White 16	125–255						
Menu Locking	→	1234					
Recover	→						

SET UP MENU

Setup → Basic Engine

Mode

This lets you select the fixture operating mode for BASIC ENGINE, selecting one of the four available modes:

- **Standard RGBW**
- **Standard RGBW 16 bit**
- **Shape RGBW**
- **Shape RGBW 16 bit**
- **Advanced**

Source

It lets you assign the input source the fixture receives signals from dedicated to BASIC ENGINE. One of the two available sources can be selected:

- **DMX**
- **Art-Net**
- **sACN**

Universe

It lets you assign a Universe to a series of fixtures. Values between 000 and 255.

DMX Address

Important: Without the input signal, the displayed DMX Address blinks.

It lets you select the DMX address for the control signal. A DMX address between 001 and 512 can be selected

Setup → Pixel Engine / Strobe Engine

Mode

This lets you select the operating mode for PIXELS ENGINE, selecting one of the three available modes:

- **Disabled**
- **RGB / Strobe Enable**

Source

It lets you assign the input source the fixture receives signals from dedicated to PIXELS ENGINE. One of the three available sources can be selected:

- **DMX**
- **Art-Net**
- **Kling-Net**
- **sACN**

Universe

It lets you assign a Universe to a series of fixtures. Values between 000 and 255.

DMX Address

Important: Without the input signal, the displayed DMX Address blinks.

It lets you select the DMX address for the control signal. A DMX address between 001 and 512 can be selected.

Setup → Ethernet Interface

It lets you set Ethernet settings to be assigned to the fixture as indicated below

Custom IP Address

It lets you assign the IP Address according to the used control unit.

Custom IP Mask

It lets you assign the Subnet Mask according to the used control unit.

Ethernet to DMX

It lets you enable or disable the transmission of the Ethernet protocol by the DMX line. When activated the master unit transfer the DMX data to all the connected fixtures:

- **NO:** DMX data transmission disabled.
- **YES:** DMX data transmission enabled.

OPTION MENU

Option → Display

It lets display brightness reduction automatically after 30 seconds in idle status (OFF). Select ON, display keeps on.

Option → Fan Mode

Defines the fixture cooling mode:

- **Auto:** Cooling increase/decrease in correlation to the LED module temperature
- **SLN:** Fan power always at a constant range, light output change accordingly with ambient temperature.
- **Theatre:** Fan power always at a constant range, light output keeps constant.
- **Constant:** Fan power always at maximum range.

Option → Power Mode

Defines the led engine power mode for the fixture:

- **STD Power:** The led engine can reach the full power.
- **ECO power:** The led engine is dimmed to 90% of STD power.

Option → Reverse Mapping

It lets mapping direction from Left to Right (OFF), be able to reverse from Right to Left (ON).

OPTION MENU

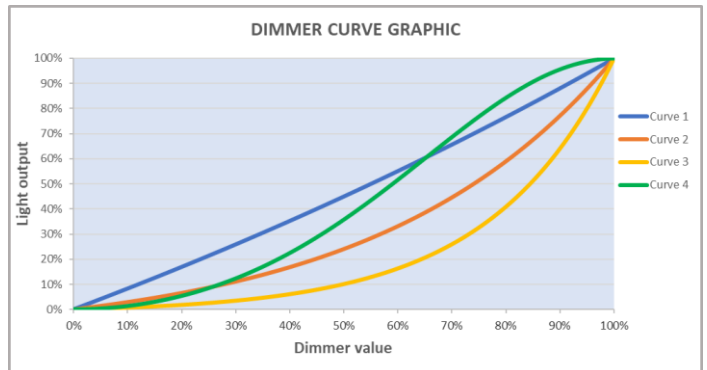
Option → SPECIAL FUNCTIONS

Dimmer Curve

It lets you select four different Dimmer curves (see details below):

- **Curve 1**
- **Curve 2**
- **Curve 3**
- **Curve 4**
- **Curve 5**

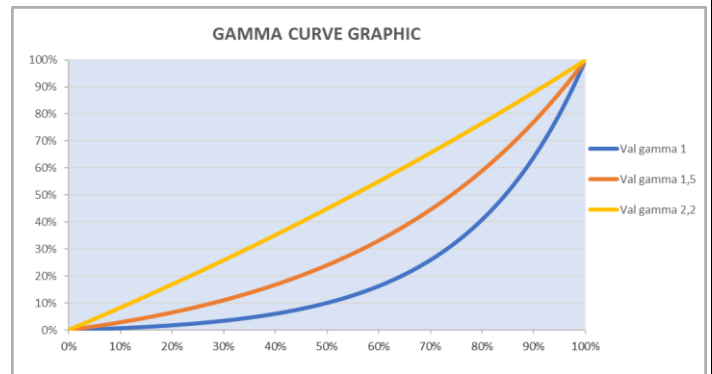
IMPORTANT NOTE: Dimmer Curve 5 has all the Leds synchronized, for balanced behavior in white.



RGB Gamma

It lets you select three different RGBW gamma curves (see details below):

- **Gamma 1.0**
- **Gamma 1.5**
- **Gamma 2.2**



Option → PWM FREQUENCY

It lets you select ten different base frequencies of LEDs:

- **600Hz**
- **1200Hz**
- **2000Hz**
- **4000Hz**
- **6000Hz**
- **25000Hz**

Option → SETTINGS

Used to save 3 different settings of the items in the option menu and relevant submenus.

- Default preset (*)
 - User preset 1
 - User preset 2
 - User Preset 3
- **Load preset 'X'** is used to recall a previously stored configuration.
- **Save to preset 'X'** is used to save the current configuration.

IMPORTANT:

(*) **DEFAULT PRESET** It lets you restore default values on all option menu items and relevant submenus.

INFORMATION MENU

Information → SYSTEM ERRORS

It displays the list of errors that occurred when the fixture is been turned on.
To reset the SYSTEM ERRORS list, press OK. A confirmation message appears (Are you sure you want to clear error list?) Select YES to confirm the reset.

Information → FIXTURE HOURS

It lets you view the fixture's working hours (total and partial).

Total counter

It counts the number of fixture's working life hours (from construction to date). Note: This value cannot be reset.

Partial counter

It counts the partial number of fixture's working life hours from the last reset to date.

Press **Enter** to reset the partial counter. A confirmation message appears on the display: Select **Reset** to confirm or **Go Back** to undo the operation.

Information → LED HOURS

It lets you view LED working hours (total and partial).

Total counter

It counts the number of fixture's working hours with the LED turned on (from construction to date). Note: This value cannot be reset.

Partial counter

It counts the partial number of LED working hours from the last reset to date.

Press **Enter** to reset the partial counter. A confirmation message appears on the display: Select **Reset** to confirm or **Go Back** to undo the operation.

Information → SYSTEM VERSION

It lets you view the firmware version for each electronic board:

- DISP: -----Vx.x
- NET: -----Vx.x
- CTR1-XY: -----Vx.x
- CTR1-Motor: ----- Vx.x

Information → DMX Monitor

It lets you view the levels of DMX parameters in bits that the fixture is receiving.

Information → FANS Monitor

It lets you view the function's percentage of the fan installed in the fixture:

LED fan cooling → Led Fan: x%

Information → Network parameters

Lets you view the Ethernet setting of the fixture:

IP address: Internet Protocol address (two fixtures must not have the same IP address)

IP mask: 255.0.0.0

Mac address: Media Access Control; the fixture's Ethernet Address

Information → UID

It shows the RDM Unique ID (UID), the exclusive address of the fixture to communicate via RDM.

MANUAL CONTROL MENU

Manual Control → Reset

It lets you reset the fixture's parameters from the user menu.

Manual Control → Channel

It lets you control the DMX parameters from the fixture's user menu. For any single parameter can be set the level between 0 and 255 bits.

TEST MENU

Test

It lets you perform a test of the fixture's effects by a pre-saved sequence:

- Colour test sequence
- All effects test sequence

ADVANCED MENU

IMPORTANT: To access the Advanced Menu enter the code 1234.

Advanced → Upload Firmware

It lets you transfer the firmware from one fixture to all the other connected to the same line. A confirmation message will appear on the display "Are you sure?" Select YES to confirm or NO to abort the operation.

IMPORTANT: We recommend uploading the firmware to a maximum 5/6 units per time.

Advanced → Color Calibration

It lets you to make a fine electronics adjustment on the colours parameters to get a better consistency within a group of fixtures.

Default setting Off

- Red 125-255
- Green 125-255
- Blue 125-255
- White 125-255

IMPORTANT: The setting must be activated on the fixture through the FUNCTION parameter. Value 078-082 Bits.

Advanced → Menu Locking

It allows you to assign a password to lock the access to the ADVANCED menu to avoid any wrong setting or operation by people there are not from the technical staff. The default Unlock Code is: 1234

IMPORTANT: If necessary to reset any custom code go to Option → Setting → Default Preset → Reset to default, it will set all the default setting and restore the coder to 1234.

Advanced → Recover

The recover function allows to restore the functionality of the electronic boards following a fail during the firmware update process of the fixture. Please refer to the "Recover function" tech document for the detail of the procedure.