

### USER MENU GUIDE

**IMPORTANT:** To Unlock the display and access to the menu press the buttons sequence UP – DOWN – UP – DOWN – ENTER.

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

### SETUP

Main Menu	Level 1	Level 2	Level 3	Choices / Values		
SETUP	DMX Address	→	→	001 - 512		
	DMX Channel	→	→	Basic RGBW		
				Basic RGBW 16 bit		
				Ext. RGBW		
				Ext. RGBW 16 bit		
	Ethernet Interface	Protocol	→	Disabled		
				ArtNet		
				sACN		
				Custom IP Address	IP address byte 1 IP address byte 2 IP address byte 3 IP address byte 4	0 - 255 0 - 255 0 - 255 0 - 255
				Custom IP Mask	IP mask byte 1 IP mask byte 2 IP mask byte 3 IP mask byte 4	0 - 255 0 - 255 0 - 255 0 - 255
				Universe	→	000 - 255
				Start Channel	→	001 - 512
	Ethernet to DMX	→	No			
Yes						

## OPTION

Main Menu	Level 1	Level 2	Level 3	Choices / Values	
OPTION	Display	→	→	On / Off	
	Key Lock	→	→	Yes / No	
	Fan Mode	→	→	Auto SLN Constant Theatre	
	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.
		CTR 1 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
	→	→	→	Zoom
	→	→	→	All

## ADVANCED

Main Menu	Level 1	Level 2	Level 3	Choices / Values
ADVANCED	Access Code <u>1234</u>	Upload Firmware	→	Yes / No
		Calibration	Zoom Offset	000 - 255
		Color Calibration	Off	Off
			Adjust	Red 125 - 255
				Green 125 - 255
				Blue 125 - 255
		White 125 - 255		
		Menu Locking	→	1234
Recover	→	Yes / No		

## SET UP MENU

### Setup - 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 – DMX Channel

It lets you select the projector operating mode, selecting one of the four available modes (see DMX Channel Function document):

- Basic RGBW
- Basic RGBW 16 bit
- Extended RGBW
- Extended RGBW 16 bit

### Setup – Ethernet Interface

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

#### Protocol

It lets you assign the control protocol.

#### 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.

#### Universe

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

#### Start Channel

It lets you set the Art-Net start address for the fixture.

Values between 001 and 512.

#### 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 you activate (ON) the display brightness reduction after 30 seconds in idle status. Select **OFF** to disable this option.

### Option – Key Lock

It allows the automatic lock of the screen to access the fixture menu. Select **YES** to activate the lock the screen after 30 seconds in the idle status. Select **NO** to disable the automatic lock of the screen.

#### **IMPORTANT:**

**To unlock the screen press the sequence buttons**

**Up – Down – Up – Down – Enter.**

### Option – Fan Mode

Defines the fixture cooling mode:

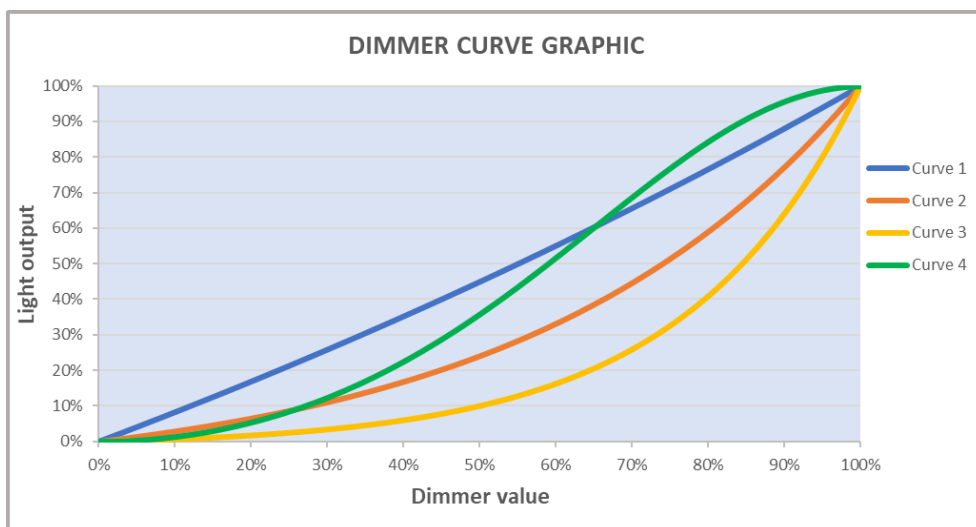
- **Auto:** Cooling increase/decrease in correlation to the LED module temperature
- **SLN:** Fan power always at minimum range.
- **Constant:** Fan power always at maximum range.
- **Theatre:** Light output constantly reduced, fan power modulated based the ambient temperature.

### Option – SPECIAL FUNCTIONS

#### **Dimmer Curve**

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

- **Curve 1**
- **Curve 2**
- **Curve 3**
- **Curve 4**
- **Curve 5** - Dimmer Curve 5 has all the Leds synchronized, for balanced behavior in white.

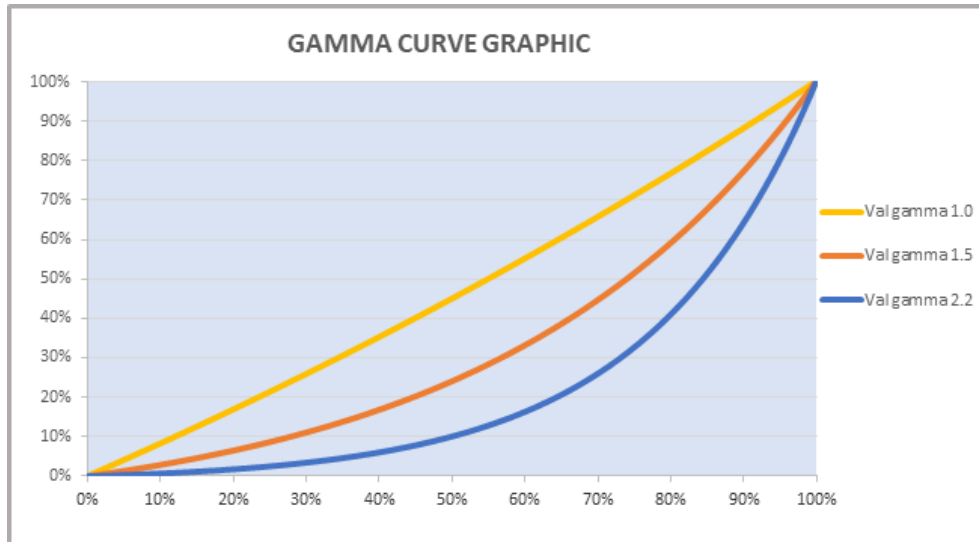


## OPTION MENU

### RGB Gamma

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

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



### Option – SPECIAL FUNCTIONS

#### PWM FREQUENCY

It lets you select six 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 projector 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 working life hours (from construction to date). Note: This value cannot be reset.

#### Partial counter

It counts the partial number of projector 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 projector 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 in the projector:

- DISP:-----Vx.x
- NET:-----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 module cooling fan

Led Fan:     x%

### Information – Network parameters

It lets you view the Ethernet setting of the fixture:

**IP address:** Internet Protocol address (two projectors 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

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

- Colour test sequence
- Zoom 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 to update the firmware to maximum 5/6 units per time.

### **Advanced - Calibration**

It lets you from the control panel to make a fine electronics adjustments on some effects to get a better consistency within a group of fixtures.

### **Advanced – COLOR CALIBRATION**

It lets you to make a fine electronics adjustments 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 has to 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.