USER MENU GUIDE

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	Pan / Tilt	Invert Pan	→	On / Off
		Invert Tilt	→	On / Off
		Swap Pan-Tilt	→	On / Off
		Encoder Pan-Tilt	→	On / Off
		P/T Homing mode	→	Standard Sequenced
		Pan Home Def Pos	→	0 degree 90 degrees 180 degrees 270 degrees
		Tilt Home Def Pos	→	0 % 12.5 % 25 % 50 % 75 % 87.5 % 100 %
		P/T Enable	→	On / Off
	Display	→	→	On / Off
	Fan Mode	→	→	Auto SLN Theatre Constant
	Zoom Repositioning	→	→	On / Off

OPTION

Main Menu	Level 1	Level 2	Level 3	Choices / *Values*
OPTION	Special Functions	Pan / Tilt Speed	→	Normal / Fast
		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 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.
		CTR3-MOTOR	→	Fw.rev.
	DMX Monitor	Functions	→	*DMX in value (BIT)*
	Fans Monitor	BASE Fan	→	Percentage %
		LED Fan	→	Percentage %
	Network parameters	→	→	IP Address
		→	→	IP Mask
		→	→	MAC Address
	UID	→	→	UID: xxxxxxxxxxxx

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	→	→	→	Pan / Tilt
	→	→	→	Colour
	→	→	→	Zoom
	→	→	→	All

ADVANCED

Main Menu	Level 1	Level 2	Level 3	Choices / *Values*
ADVANCED	Access Code 1234	Upload Firmware	→	Yes / No
		Calibration	Pan Offset	000 - 255
			Tilt Offset	000 - 255
			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 select 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 → PAN / TILT

INVERT PAN
It lets you enable (ON) the Pan reverse movement. Select OFF to turn off or disable this option

INVERT TILT
It lets you enable (ON) the Tilt reverse movement. Select OFF to turn off or disable this option.

SWAP PAN-TILT
It lets you enable (ON) Pan and Tilt parameters inversion (and simultaneously Pan fine and Tilt fine).

ENCODER PAN-TILT
It lets you enable (ON) or disable (OFF) the Pan and Tilt Encoder functionality.

P/T HOMING MODE
It lets you set the initial Pan and Tilt Reset mode.

- **Standard**: Pan & Tilt are simultaneously reset.
- **Sequenced**: Tilt is reset first followed by Pan.

PAN HOME DEF POS
It lets you assign the Pan parameter "home" position at the end of Reset (without a DMX input signal), selecting one from the 4 available positions:

- **0 degree**
- **90 degrees**
- **180 degrees**
- **270 degrees**

TILT HOME DEF POS
It lets you assign the Tilt parameter "home" position at the end of Reset (without a DMX input signal), selecting one from the 7 available positions:

- **0%**
- **12.5%**
- **25%**
- **50%**
- **75%**
- **87.5%**
- **100%**

PAN / TILT ENABLE
Allows you to disable the Pan and Tilt movement function (Select OFF). Select ON to enable the pan and tilt functionality.

Option → DISPLAY

It lets you activate (ON) the display brightness reduction after 30 seconds in idle status.

Option → FAN MODE

Defines the fixture cooling mode:

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

Option → ZOOM REPOSITIONING

The zoom automatically go back inside the fixture in case of no signal (Select ON).

OPTION MENU

Option → SPECIAL FUNCTIONS

Pan / Tilt Speed

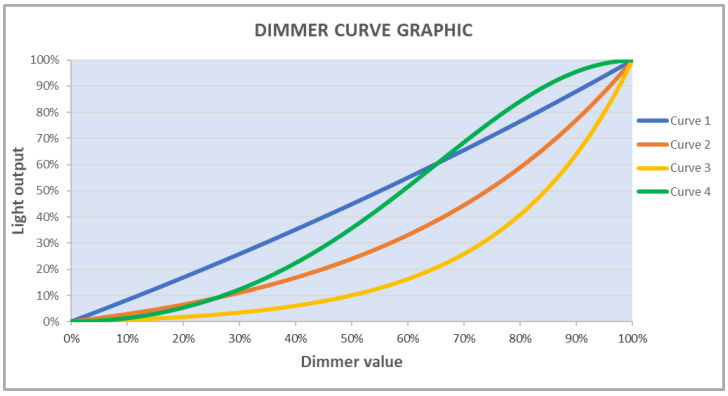
It lets you select two different Pan and Tilt speeds:

- **Normal**
- **Fast**

Dimmer Curve

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

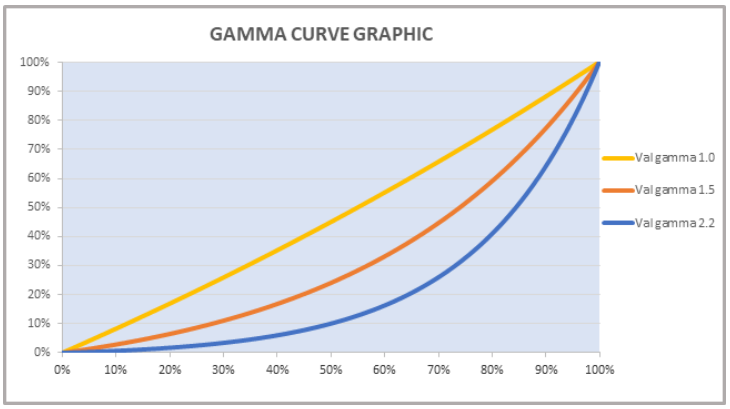
- **Curve 1**
- **Curve 2**
- **Curve 3**
- **Curve 4**
- **Curve 5**



RGB Gamma

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

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



PWM FREQUENCY

It lets you select six different base frequencies of LEDs:

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

OPTION MENU

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 **OK** 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 **Ente**r 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-XY:----------Vx.x
- CTR2-Motor:---------- Vx.x
- CTR3-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:
Base Fan cooling → Base Fan. x%
LED fan cooling → 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

TEST

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

- Pan and Tilt test 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: It is possible to transfer the firmware only with the same fixtures models.
IMPORTANT: We recommend to upload the firmware to a 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.