

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
	Ethernet Interface	Protocol	→	Disable Art-Net 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 Smooth	→	On / Off
	Color	Color Mixing	→	RGB / CMY
		Fix Wheel Shortcut	→	On / Off
	CMY Speed	→	→	Normal / Fast
	Dimmer curve	→	→	Curve 1 Curve 2 Curve 3 Curve 4
	Display	→	→	On / Off
	Fan Mode	→	→	Auto SLN Theatre RNR Standard
	PWM Frequency	→	→	600Hz 1200Hz 2000Hz 4000Hz 6000Hz 20000Hz
	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.
		CTR4-MOTOR	→	Fw. rev.
	CTR5-MOTOR	→	Fw. rev.	
	DMX Monitor	Functions	→	<i>DMX in value (BIT)</i>
	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
	→	→	→	Beam
	→	→	→	Gobos
	→	→	→	Shutter
	→	→	→	All

ADVANCED

Main Menu	Level 1	Level 2	Level 3	Choices / Values
ADVANCED	Access Code <u>1234</u>	Upload Firmware	→	Yes / No
		Calibration	Effect selection	000 - 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 → Ethernet Interface

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

Protocol

It let you assign 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). Select OFF to turn off or disable this option.

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%

P/T SMOOTH

It lets you set (ON) a more linear ramp in and ramp out of the Pan & Tilt movement.
With OFF the function is not active and the Pan&Tilt are more fast.

Option → COLOR

COLOR MIXING

It lets you set the CMY color mixing system:

- **RGB** color mixing mode (Red Green Blue), at 0-bit value the CMY filters are inserted into the beam.
- **CMY** color mixing mode (Cyan Magenta Yellow), at 0-bit value the CMY filters are excluded.

FIX WHEEL SHORT-CUT

Used to optimize the change time of fixed color wheel, selecting ON the static color wheel turns in the direction that requires the shorter movement when you select a color position. Select OFF to disable the option.

Option → CMY Speed

It lets you select two different CMY filters movement speed:

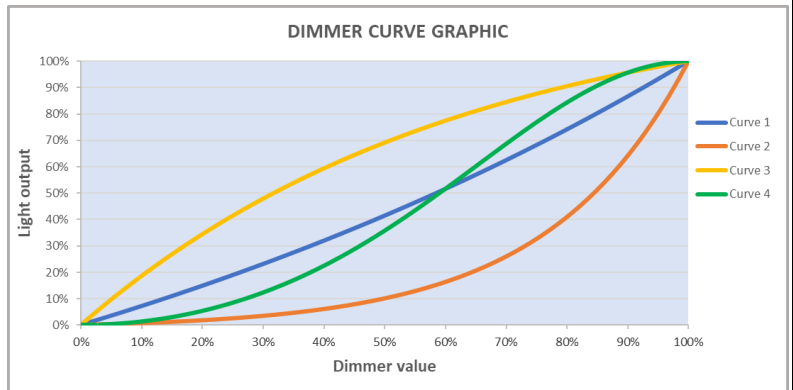
- **Normal**
- **Fast**

OPTION MENU

Option → DIMMER CURVE

It lets you select four different Dimmer curves:

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



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**: Light output always at 100% depending on temperature. Fans run at lowest speed possible unless fixture is running hot.
- **SLN (Silent)**: Light output starts at 100% and go down to 40%. Fans will go to lowest speeds when depending on fixture temperature.
- **Theatre**: Light output always at 40%, constant fan speed.
- **RNR (Rock&Roll)**: Light output at 100%. Fan at maximum speed.
- **Standard**: Light output at 85%. Fan at constant speed.

Option → PWM FREQUENCY

Lets you select one of six different base frequencies of LEDs available:

- 600Hz
- 1200Hz
- 2000Hz
- 4000Hz
- 6000Hz
- **20000Hz**

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 fixtures working life hours (from construction to date). Note: This value cannot be reset.

Partial counter

It counts the partial number of projectors 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 projectors 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 **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 → 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
- CTR4-Motor:-----Vx.x
- CTR5-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
- Beam test sequence
- Gobo test sequence
- Shutter 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 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 adjustment of some effects to get a better consistency within a group of fixtures.

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 allow 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.