USER MENU GUIDE

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

SETUP

Main Menu	Level 1	Level 2	Level 3	Choices / Values
SETUP	DMX Address	→	→	001 - 512
	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	Lamp DMX		→	On / Off
	Safety Black Out		→	On / Off
	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 %
	Color	Color Mixing	→	RGB / CMY
		Fix Wheel Shortcut	→	On / Off
	CMY Speed	→	→	Normal / Fast
	CMY Curve	→	→	Standard / Linear
	Shutter	Shutter On Error	→	On / Off
		Dimming delay	→	On / Off
	Reflection	→	→	On / Off
	Display	→	→	On / Off
	Setting	Default Preset	→	Reset To Default Go Back
	Setting	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
	Lamp Hours	Total Hours	→	Read only
		Partial Hours	→	Reset / Go Back
	Lamp Strikes	Total Strikes	→	Read only
		Partial Strikes	→	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	→	*DMX in value (BIT)*
	Network parameters	→	→	IP Address
		→	→	IP Mask
		→	→	MAC Address
	UID	→	→	UID: xxxxxxxxxxxx
	Temperature	Head Temperature	→	xx °C

MANUAL CONTROL

Main Menu	Level 1	Level 2	Level 3	Choices / *Values*
MANUAL CONTROL	Lamp	→	→	On / Off
	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
		Factory Calibration	Effect selection	000 - 255
		Customized Calibration	Dimmer 1 Offset Dimmer 2 Offset	000 - 255 000 - 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 lets you to 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 → LAMP DMX

It lets you enable (ON) the lamp remote control DMX parameter. Select OFF to turn off or disable this option.

Option → SAFETY BLACK OUT

This allows the Dimmer's automatic lock option to be activated (ON) after 3 seconds with no incoming DMX signal. Select OFF to turn off or disable this option.

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%**

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 MENU

Option → CMY SPEED

It lets you select two different CMY filters movement speed:
- **Normal**
- **Fast**

Option → CMY Curve

It lets you select two different CMY colour curve:
- **Standard**
- **Linear**

Option → SHUTTER

SHUTTER ON ERROR
It lets you activate automatic "Stop/Strobe" closing in the event of Pan/Tilt positioning error (OFF). Select ON to turn off or disable this option.

DIMMING DELAY
It lets you enable (ON) the reduction of power after 30 second that any of the framing blade is inserted into the beam over the 30%. If you select OFF it activate the power reduction after 5 minutes.

Option → REFLECTION

It allows you to activate the option that "hides" a projection reflection of the fixed Gobo wheel in some particular conditions of use (OFF). Select ON to turn off or disable this option.

Option → DISPLAY

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

Option → SETTINGS

Used to save 3 different settings of the options 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 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 fixture 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 → LAMP HOURS

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

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

Partial counter
It counts the partial number of lamp 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 → LAMP STRIKES

It lets you view how many times the lamp was turned on (total and partial).

Total counter
It counts the number of times the lamp was turned on (from construction to date). Note: This value cannot be reset.

Partial counter
It counts the partial number of times the lamp was turned on 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 MENU

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.

Information → TEMPERATURE

It shows the temperature value of fixture head.

MANUAL CONTROL MENU

Manual Control → LAMP

It lets you switch on (ON) or switch off (OFF) from the user 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 uploading the firmware to a maximum 5/6 units per time.

Advanced → Factory 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 → Customized Calibration

It lets you from the control make a fine electronic adjustment of the 2 dimmer blades, then is possible recall this setting activating the Customized calibration from the function DMX parameter.

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 code to 1234.

Advanced → Recover

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