

USER MENU GUIDE

Note: All the default parameters are highlighted in grey color.

SETUP MENU

Main Menu	Level 1	Level 2	Level 3	Choices / Values		
SETUP	DMX Address	→	→	001-512		
	Channel Mode	→	→	Standard Easy White		
	Fixture ID	→	→	000-255		
	Ethernet Interface	Ethernet mode		→	Disabled Enabled on IP 2.x.x.x. Enabled on IP 10.x.x.x. Enabled on Custom IP	
		Control Protocol		→	Art-Net sACN	
		Repeat on DMX		→	Disabled Enabled on primary	
		Universe		→	000-255	
		Custom IP Address	IP address byte 1			000-255
			IP address byte 2			000-255
			IP address byte 3			000-255
			IP address byte 4			000-255
		Custom IP Mask	IP mask byte 1			000-255
			IP mask byte 2			000-255
	IP mask byte 3				000-255	
	IP mask byte 4				000-255	
Master RDM		→	Disabled Enabled			

OPTION MENU

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	
		Speed Pan-Tilt	→	Normal Fast	
		Abs. Enc Pan/Tilt	Abs. Enc Status		Status
			Abs. Enc Reset		Are you sure ? Yes / No
			Abs. Enc Homing		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		
	Dimmer Curve	→	→	Standard	
	Chg RotGobo Speed	→	→	Normal Fast	
	Display	→	→	On / Off	
	Theatrical Mode	→	→	On / Off	
	Blades Mode	→	→	Standard Extended	
	White	→	→	RAW 3200 K 4000 K 4400 K 5000 K 5600 K 6000 K 6500 K 7000 K 7500 K 8000 K	
RGB Gamma	→	→	Gamma 1.0 Gamma 1.5 Gamma 2.0		

OPTION MENU

Main Menu	Level 1	Level 2	Level 3	Choices / Values	
OPTION	Halogen Mode	→	→	Halogen OFF Halogen Lamp1 Halogen Lamp2 Halogen Lamp3 Halogen Lamp4 Halogen Lamp5	
	PWM Frequency	→	→	650 Hz 975 Hz 1460 Hz 2200 Hz 3300 Hz 5000 Hz 7400 Hz 11100 Hz 16700 Hz	
	W-DMX	Enable	→	→	On / Off
		Status	→	→	Status / Unlink
	Setting	Default Preset	Reset To Default Go Back		Are you sure ? Yes / No
		User Preset 1	Load preset 1 Save to preset 1		Are you sure ? Yes / No
		User Preset 2	Load preset 2 Save to preset 2		Are you sure ? Yes / No
		User Preset 3	Load preset 3 Save to preset 3		Are you sure ? Yes / No

INFORMATION MENU

Main Menu	Level 1	Level 2	Level 3	Choices / Values
INFORMATION	System Errors	→	→	Read / Reset
	Fixture Hours	Total Hours	→	Read
		Partial Hours	→	Read / Reset
	Led Hours	Total Hours	→	Read
		Partial Hours	→	Read / Reset
	System Version	CPU brd	→	Fw.rev. / Hw.rev.
		com.dev	→	Fw.rev.
		Led Drv	→	Fw.rev. / Hw.rev.
		0: NPE P-T	→	Fw.rev. / Hw.rev.
		1: NPE-5C	→	Fw.rev. / Hw.rev.
		2: NPE-5C	→	Fw.rev. / Hw.rev.
		3: NPE-5C	→	Fw.rev. / Hw.rev.
	Board Diagnostic	→	→	0:NPE-P Status Err%
				1:NPE-5C Status Err%
				2:NPE-5C Status Err%
				3:NPE-5C Status Err%
				4:NPE-8C Status Err%
	DMX Monitor	→	→	Channel xx Value Perc%
	Fans Monitor	→	→	LedIn Speed (RPM)
				LedIn Speed (RPM)
LedOut Speed (RPM)				
LedOut Speed (RPM)				
RDM Unique ID	→	→	ID: xxxxxxxx	
Sensor status	Channel name	→	n.a / On / Off	
RotGobos Indexing	→	→	Indexing Active Indexing Required	
Network parameters	→	→	IP Address	
			IP Mask	
			MAC Address	
sACN Information	→	→	Multicast Group IP X.X.X.X	
Serial Number	→	→	XXxxxxxx	

MANUAL CONTROL

Main Menu	Level 1	Level 2	Level 3	Choices / Values
MANUAL CONTROL	Reset	→	→	Yes / No
	Channel	→	DMX Parameter	DMX Value: XXX

TEST

Main Menu	Level 1	Level 2	Level 3	Choices / Values
TEST	→	→	→	TBD

ADVANCED MENU

Main Menu	Level 1	Level 2	Level 3	Choices / Values
ADVANCED	Access Code <u>1234</u>	Upload Firmware	<i>Transfer</i>	<i>Are you sure ?</i> Yes / No
		Setup Model	<i>Changing</i>	<i>Are you sure ?</i> Yes / No
		Calibration	Channels	000 - 255
		RotGobos Indexing	<i>Starting procedure</i>	Yes / No
		Menu Locking	→	Unlock Code XXXX
		Led Ch. Temp	→	TempRA: ?°C TempGY: ?°C TempB: ?°C
		Anim. X-Y Mode	→	Standard US

SET UP MENU

Setup - DMX ADDRESS

It lets you select the DMX address for the control signal. A DMX address between 001 and 512 can be selected.
PLEASE NOTE: Without the DMX input signal, the displayed DMX address blinks.

Setup – CHANNEL MODE

It lets you select the DMX Channel Mode:

- **Standard**
- **Easy**
- **White**

Setup - FIXTURE ID

It lets you set the “Fixture ID” to be assigned to the projector. An “ID” between 000 and 255 can be assigned.

Setup - ETHERNET INTERFACE

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

ETHERNET MODE

It lets you select the “Ethernet Mode” to control the unit; the options available are the following:

- **Disabled**
- **Enabled on IP 2**
- **Enabled on IP 10**
- **Enabled Custom IP**

If the **Ethernet Mode** option is set on **Disabled**, when an **IP** address (**IP2**, **IP10** or **IP Custom**) is selected, the projector immediately initializes the **IP** address that was just selected.

If the **Ethernet Mode** option is enabled (**IP2**, **IP10** or **IP Custom**) and a new one is selected that is different from the previous one, the projector must be restarted so that it will be correctly initialized.

CONTROL PROTOCOL

It lets you select the “Control Protocol” to remotely control the unit; the options available are the following:

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

REPEAT ON DMX

It lets you enable/disable the transmission of the Ethernet protocol by DMX signal to all the connected projectors.

- **Disabled**: DMX transmission disabled.
- **Enabled on primary**: DMX transmission enabled.

UNIVERSE

It lets you set the “DMX Universe” to be assigned to a series of projectors with values between 000 and 255.

CUSTOM IP ADDRESS

It lets you to set the select the “IP Address” Art-net to be assigned, according to the control unit used, with values between 000 and 255.

CUSTOM IP MASK

It lets you to set the select the “IP Mask” Art-net to be assigned, according to the control unit used, with values between 000 and 255.

OPTION MENU

Option - PAN / TILT

INVERT PAN

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

INVERT TILT

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

SWAP PAN-TILT

It lets you enable (ON) Pan and Tilt channel inversion (and simultaneously Pan fine and Tilt fine). Select **OFF** to turn off or disable this option.

SPEED PAN-TILT

It lets you set the Pan and Tilt Speed to be assigned:

- **Standard**
- **Fast**

ABS. ENCODER PAN-TILT

It lets you check the status of the absolute encoder zero (programmed or required), reset the stored zero and enable a “fake” standard homing procedure.

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 channel “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 channel “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 Pan and Tilt movement (Select **OFF**) to use the fixture as a follow-spot. Select **ON** to disable this option.

Option – DIMMER CURVE

It allows you to select the available Dimmer curves:

- **Standard**

Option – CHANGE ROTATING GOBO SPEED

It lets you select the speed of the Rotating Gobo Change from the two available:

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

OPTION MENU

Option - DISPLAY

It lets you activate (ON) display brightness reduction after about 30 seconds in idle status. Select OFF to turn off or disable this option.

Option – THEATRICAL MODE

It lets you activate (ON) optimized Zoom and Focus movement, to enhance higher noiselessness and stability. Select OFF to turn off or disable this option, ensuring faster Zoom and Focus movements.

Option – BLADES MODE

It lets you set the Framing blades function mode:

- **Standard:** The framing blades run the 50% of the range.
- **Extended:** The framing blades run the 100% of the range.

Option - WHITE

It lets you select the a calibrated white colour value for the projection:

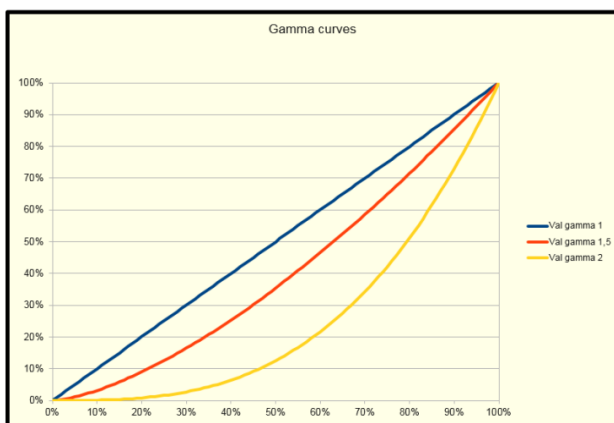
- RAW
- 3300 K
- 4000 K
- 4400 K
- 5000 K
- 5600 K
- 6000 K
- 6500 K
- 7000 K
- 7500 K
- 8000 K

Note: By selecting RAW option, no chromaticity control over output is performed: it's effectively pure RAW.

Option – RGB GAMMA

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

- Gamma 1.0
- Gamma 1.5
- Gamma 2.0



OPTION MENU

Option – HALOGEN MODE

It lets you select the halogen behaviour desired:

- **Halogen OFF**
- **Halogen Lamp1**
- **Halogen Lamp2**
- **Halogen Lamp3**
- **Halogen Lamp4**
- **Halogen Lamp5**

Option – PWM FREQUENCY

It lets you select ten different base PWM frequencies:

- **650**
- **975**
- **1460**
- **2200**
- **3300**
- **5000**
- **7400**
- **11100**
- **16700**

Option – W-DMX

ENABLE

It lets you enable (ON) Wireless-DMX communication. Select **OFF** to turn off and communicate through the wired DMX.

STATUS

It lets you view Wireless-DMX communication status (“UNLINKED”, “LINKED NO DMX”, “LINKED WITH DMX”, “LINK LOST OR LINKING”).

Press UNLINK to disconnect unit from W-DMX transmitter. A confirmation message appears on the display (Are you sure ?)

Select YES to confirm the unlink.

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.

(*) DEFAULT PRESET

It lets you restore default values on all option menu items and relevant submenus.

Press the left and right arrows/keys simultaneously in the "main menu" to quickly restore default values (DEFAULT PRESET).

INFORMATION MENU

Information - SYSTEM ERRORS

It displays a list of errors that occurred when the projector was 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 reset.

Information - FIXTURE HOURS

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

Total counter

It counts the number of projector working life hours (from construction to date).

Partial counter

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

Press OK to reset the partial counter. A confirmation message appears on the display (Are you sure ?)
Select YES to confirm reset.

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 on (from construction to date).

Partial counter

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

Press OK to reset the partial counter. A confirmation message appears on the display (Are you sure ?)
Select YES to confirm reset.

Information - SYSTEM VERSION

It lets you view the hardware and software versions for each electronic board in the projector:

- CPU brd (CPU board)
- com.dev
- Lsr Drv (Laser driver board)
- 0: NPE P-T (Pan/Tilt driver board)
- 1: NPE-5C (5 Driver board)
- 2: NPE-5C (5 Driver board)
- 3: NPE-5C (5 Driver board)
- 4: NPE-8C (8 Driver board)

Information - BOARD DIAGNOSTIC

It lets you view the percent errors for each electronic board installed in the projector

- 0: 8-Ch (8-channel board)

Information - DMX MONITOR

It lets you view the level of projector DMX channels in bit (Val) and in percent.

Information - FANS MONITOR

It lets you view the speed of each fan installed in the projector:

- EffIn (Effects cooling fan, air-flow IN)

Information – RDM UNIQUE ID

Shows the exclusive address of the fixture to use communicate via RDM.

INFORMATION MENU

Information - SENSOR STATUS

It lets you check the correct operations of each "sensor" installed in the projector, each channel is associated with one of the following three parameters:

- n.a.= sensor not available (it could be that are not used sensor on that effect)
- ON= Sensor reading (It means the magnet is positioned on the sensor)
- OFF= Sensor is not reading (It means the magnet is not positioned on the sensor)

Information – ROTATING GOBO INDEXING

It lets you check whether the 3 prisms wheel indexing procedure should be run, if indexed, "Indexing Active" appears on the display, otherwise "Indexing required!" appears

If necessary, indexing should be activated from the Advanced menu.

Information – NETWORK PARAMS

Lets you view the projector "Network" parameters meaning:

- **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 projector's Ethernet Address.

Information – sACN INFORMATION

Shows the IP multicast group assigned to the fixture.

Information – SERIAL NUMBER

Lets you view the fixture **Serial Number**. Information available only for fixtures from January 2020.

MANUAL CONTROL MENU

Manual Control - RESET

It lets you reset the projector from the projector control panel.

Manual Control - CHANNEL

It lets you set the channel DMX levels from the projector control panel (value between 0 and 255 bit or between 0% and 100%).

TEST MENU

This function is not yet implemented.

It lets you test the correct operations of effects using pre-saved Tests:

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ADVANCED MENU

To open the "Advanced Menu", enter the code (1234)

Advanced - UP LOAD FIRMWARE

It lets you transfer "firmware" from one projector to all other connected projectors. A confirmation message appears on the display (Are you sure ?) Select YES to confirm or NO to abort this operation.

Advanced - SETUP MODEL

It lets you change the projector model (operation probably necessary after replacing the CPU during repairs). A confirmation message (Are you sure ?) appears on the display Select YES to confirm (the list of available and selectable projectors appears) or NO to abort this operation.

Advanced - CALIBRATION

It lets you make small mechanical adjustments on some effects to perfectly align projectors from the control panel.

Factory default

It lets you restore default "Calibration" values (128 bit) on all channels.

Advanced – ROTATING GOBO INDEXING

It lets you run the 3 prisms wheel indexing procedure. This operation may be necessary after projector maintenance/cleaning.

Advanced - MENU LOCKING

It allows you to assign a password to lock the access to the user menu, so that only users know the password can change settings. The password is 4-digit number.

Advanced – LED CH. TEMP

It allows you to monitor the temperature of the Led Module.

Advanced – ANIM. X-Y MODE

It lets you select the Animation Disk function mode:

- **Standard**
- **US**

NOTE: An additional password is required to change this parameter.