

Main Menu	Level 1	Level 2	Level 3	Choices / Values	
SET UP	DMX Address	→	→	001-512	
	Channel Mode	→	→	Standard	
				Vector	
	Fixture ID	→	→	000-255	
	Ethernet Interface	Control Protocol	→	Disabled	
				Art-net IP 2.x.x.x.	
				Art-net IP 10.x.x.x.	
				Art-net Custom IP	
		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		

Main Menu	Level 1	Level 2	Level 3	Choices / Values
OPTION	Lamp DMX	→	→	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 %	
	Color	Color Mixing	→	RGB / CMY
		Fix Wheel Shortcut	→	On / Off
	Uniform Field Frost	→	→	Auto
				Always ON
				Always OFF
	Dimmer Curve	→	→	Standard
				Linear
				Conventional
	Shutter	Shutter On Error	→	On / Off
		Dimmer On Shutter	→	On / Off
	Lamp Dimming	→	→	1400W – 1200W
				1200W
	Chg RotGobo Speed	→	→	Normal
				Fast
	Blades Speed	→	→	Normal
Fast				
Display	→	→	On / Off	
Animation / Fix Gobo	→	→	Animation Disk	
			Fix Gobo Disc	
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	

Main Menu	Level 1	Level 2	Level 3	Choices / Values
INFORMATION	System Errors	→	→	Read / Reset
	Fixture Hours	Total Hours	→	Read
		Partial Hours	→	Read / Reset
	Lamp Hours	Total Hours	→	Read
		Partial Hours	→	Read / Reset
	Lamp Strikes	Total Strikes	→	Read
		Partial Strikes	→	Read / Reset
	System Version	CPU brd	→	Fw.rev. / Hw.rev.
		com.dev	→	Fw.rev.
		0:PT-3f	→	Fw.rev. / Hw.rev.
		1: 8-Ch	→	Fw.rev. / Hw.rev.
		2: 8-Ch	→	Fw.rev. / Hw.rev.
		3: 8-Ch	→	Fw.rev. / Hw.rev.
		4: 8-Ch	→	Fw.rev. / Hw.rev.
	Board Diagnostic	0:PT-3f	→	Status / Err%
		1: 8-Ch	→	Status / Err%
		2: 8-Ch	→	Status / Err%
		3: 8-Ch	→	Status / Err%
		4: 8-Ch	→	Status / Err%
	DMX Monitor	Channels	→	Value / Percentage
	Fans Monitor	Ball. IN	→	Speed (RPM)
		Ball. OUT	→	Speed (RPM)
		Pwr. Sp.	→	Speed (RPM)
		Pwr. Sp.	→	Speed (RPM)
		Lamp	→	Speed (RPM)
		Eff. OUT	→	Speed (RPM)
		Eff. IN	→	Speed (RPM)
		Blades	→	Speed (RPM)
		Blades	→	Speed (RPM)
		Lamp	→	Speed (RPM)
RDM Unique ID	→	→	ID: xxxxxxxxx	
Sensor status	Channels	→	n.a / On / Off	
Rot. Gobo Indexing	→	→	Indexing Active Indexing Required	
Network parameters	→	→	IP Address	
			IP Mask	
			MAC Address	

Main Menu	Level 1	Level 2	Level 3	Choices / Values
MANUAL CONTROL	Lamp	→	→	On / Off
	Reset	→	→	Yes / No
	Channel	→	→	Value / Percentage
TEST	→	→	→	Complete
	→	→	→	Colors
	→	→	→	Pan / Tilt
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
		Rot. Gobo Indexing	<i>Starting procedure .....</i>	Yes / No
		Menu Locking	→	Unlock Code XXXX

## SET UP MENU

### DMX ADDRESS

**PLEASE NOTE:** *Without the DMX input signal, the displayed address (DMX Address) blinks.*

It lets you select the address (DMX Address) for the control signal. A DMX address between 001 and 512 can be selected.

### CHANNEL MODE

This lets you select the projector operating mode, selecting one of the two available modes:

- **Standard (37 DMX channels occupied, see DMX-Channel Function)**
- **Vector (41 DMX channels occupied, see DMX-Channel Function)**

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### FIXTURE ID

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

### ETHERNET INTERFACE

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

#### Control Protocol

It lets you select the "Control Protocol" Art-net to be assigned according to the control unit used; the options available are the following:

- Disabled:
- Art-net on IP 2
- Art-net on IP 10
- Art-net Custom IP

If the **Control Protocol** 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 **Control Protocol** 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.

#### 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.

## OPTIONS MENU

### LAMP DMX

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

#### Encoder Pan-Tilt

It lets you enable (ON) or disable (OFF) Pan and Tilt Encoder operations.

**You can quickly disable the Pan and Tilt Encoder by simultaneously pressing the UP (↑) and DOWN(↓) keys in the "Main Menu".**

#### 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 (default)**

#### 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% (default)**
- **75%**
- **87.5%**
- **100%**

## COLOR

### Color mixing

It lets you set the CMY color mixing system:

- **RGB** color mixing mode (Red Green Blue)
- **CMY** color mixing mode (Cyan Magenta Yellow)

### Fixed wheel short-cut

Used for optimizing color change time (select ON) so that the disc turns in the direction that requires shorter movement. Select OFF to turn off or disable this option.

## UNIFORM FIELD FROST

It allows you to manage the control of the Uniform Field Frost:

- **Auto:** Automated management through the use of dimmer parameter.
- **Always ON:** Uniform Filed Frost always inserted.
- **Always OFF:** Uniform Field Frost always deactivated

## DIMMER CURVE

It lets you select the "Dimmer Curve" from the two available:

- **Standard** (default)
- **Conventional**
- **Linear**

## SHUTTER

### Shutter on error

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

### Dimmer on Shutter

Enables (select ON) the automatic closing of the Dimmer when the Strobe is completely closed. Select OFF to turn off or disable this option.

## LAMP DIMMING

It allows you to select one of the two types of dimming available:

- **1400W - 1200W** lamp power operate as follows:
  - Dimmer channel @ 0bit - lamp power @ 1000W
  - Dimmer channel from 1 to 202bit - lamp power @ 1200W
  - Dimmer channel from 203 to 255bit - lamp power increase from 1200W to 1400W
- **1200W** lamp power operate as follows:
  - Channel dimmer @ 0bit - lamp power @ 1000W
  - Dimmer channel from 1 to 255bit - lamp power @ 1200W

## ROTATING GOBO CHANGE SPEED

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

- **Normal**
- **Fast** (default)

## BLADES SPEED

It lets you select the speed of the Blades from the two available:

- **Normal**
- **Fast** (default)

## 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.

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## ANIMATION / FIX GOBO

It allows you to select depending on the disc inserted into the fixture, whether to activate the electronic control of **Animation Disk** or **Fix Gobo Disk** (if selected **Fix Gobo Disk**, the channel Animation Disk Rotation is disabled).

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## 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).**

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## INFORMATION MENU

### 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.

### 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.

### LAMP HOURS

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

#### Total counter

It counts the number of projector working hours with the lamp on (from construction to date).

#### Partial counter

It counts the number of lamp 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.

### 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).

#### Partial counter

It counts the 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 (Are you sure ?)

Select YES to confirm reset.

### SYSTEM VERSION

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

- CPU brd (CPU board)
- 0: PT-3f (Pan / Tilt board)
- 1: 8-Ch (8-channel board)
- 2: 8-Ch (8-channel board)
- 3: 8-Ch (8-channel board)
- 4: 8-Ch (8-channel board)

## BOARD DIAGNOSTIC

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

- 0: PT-3f (Pan / Tilt board)
- 1: 8-Ch (8-channel board)
- 2: 8-Ch (8-channel board)
- 3: 8-Ch (8-channel board)
- 4: 8-Ch (8-channel board)

## DMX MONITOR

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

## FANS MONITOR

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

- Lamp (lamp cooling fan)
- Pwr.Sup (PSU cooling fan)
- Ball.IN (Ballast cooling fan, air-flow IN)
- Ball.OUT (Ballast cooling fan, air-flow OUT)
- Effect.IN (Effects cooling fan, air-flow IN)
- Effect.OUT (Effects cooling fan, air-flow OUT)
- Blades (blades cooling fan)

## RDM UNIQUE ID

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

## 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
- ON= sensor working
- OFF= sensor defective

## ROT GOBO INDEXING

It lets you check whether the rotating gobo wheel 1 gobo 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.

## 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.

## MANUAL CONTROL

### LAMP

It lets you turn the lamp on (ON) or off (OFF) from the projector control panel.

### RESET

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

### 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%).

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## TEST MENU

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

## ADVANCED MENU

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

### 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.

### 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.

### 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.

### ROT GOBO INDEXING

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

### 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.