

Note: Highlighted in grey the default option

Main Menu	Level 1	Level 2	Level 3	Choices / Values	
<b>SETUP</b>	DMX Address	→	→	001-512	
	Channel Mode	→	→	Extended RGB	
				Extended HSV	
				Basic RGB	
				Basic HSV	
				Extended DF RGB	
				Extended DF HSV	
	Color Control Mode	→	→	RAW	
				RGB	
				CMY	
	Fixture ID	→	→	000-255	
	Wireless DMX	→	Enablement	Disabled	
				Enabled	
		→	Unlink	No	
				Yes	
	Ethernet Interface	Control Protocol	→	Disabled	
				Art-net IP 2.x.x.x.	
				Art-net IP 10.x.x.x.	
				DHCP	
				Custom IP	
		ArtNet Net	→	Net	000-127
		ArtNet Subnet	→	Sub-net	000-015
		ArtNet Universe	→	Universe	000-015
		Repeat on DMX		Enablement	Disabled
					Enabled on primary
		Custom IP Address		Art-Net Universe	000-015
				IP address byte 01	000-255
				IP address byte 02	000-255
IP address byte 03				000-255	
Custom IP Mask			IP address byte 04	000-255	
	IP mask byte 01		000-255		
	IP mask byte 02		000-255		
	IP mask byte 03		000-255		
			IP mask byte 04	000-255	

Main Menu	Level 1	Level 2	Level 3	Choices / Values	
OPTION	Display	→	→	On	
				Off	
	Special Functions			Master Dimmer Curve	Linear
					Square
					Smooth Square
					S Square
				DF Master Curve	Linear
					Square
					Smooth Square
					S Square
				RGB Gamma	Gamma 1.0
					Gamma 1.5
					Gamma 2.2
				Halogen Mode	Halogen OFF
					Halogen Lamp 750W
					Halogen Lamp 1KW
					Halogen Lamp 1.2KW
					Halogen Lamp 2KW
				CTO Mode	Filt
					White
				Gamut Adaptation	Relative
					Absolute
				RGB Color Space	sRGB
					Native
				Base PWM Frequency (Use the Frequency DMX parameter for fine tuning )	1000 Hz
	1500 Hz				
	2400 Hz				
	3700 Hz				
	5600 Hz				
	9400 Hz				
	15100 Hz				
	21400 Hz				
	31000 Hz				
43700 Hz					
Dimmer Curve Shift	Shift Val 000				
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	Fixture Hours	Total Hours	→	Read
		Partial Hours	→	Read / Reset
	Led Hours	Total Hours	→	Read
		Partial Hours	→	Read / Reset
	System Version	App fw	→	Fw.rev. x.x.xxx
		Boot fw	→	Fw.rev. x.x.xxx
		Display fw	→	Fw.rev. x.x.xxx
		HW Rev		Hw rev x.x
		CPU SN	→	Fw.rev. x.x.xxx
	Diagnostic	LED brd temp	→	xx °C (Temperature)
		CPU brd temp	→	xx °C (Temperature)
	DMX Monitor	Channels	→	Bit / Percentage
	Fans Monitor	Pwr. Sp.	→	Speed (RPM)
	Network parameters	→	→	IP Address
IP Mask				
MAC Address				
Serial Number				

MANUAL CONTROL	Reset	→	→	Yes / No
	Channel	→	→	Bit / Percentage

ADVANCED	Access Code <u>1234</u>	Test Fan		PwrSp xxxx RPM....
		Firmware upload	Ready to Transfer? No / Yes	Firmware upload

# SET UP MENU

## Setup - DMX ADDRESS

It lets you select the DMX address to the control signal. A DMX address between 001 and 491 can be selected.  
**PLEASE NOTE: Without a valid DMX input signal the displayed DMX Address blinks.**

## Setup - CHANNEL MODE

This lets you select the DMX operating mode, selecting one of the four available modes:

- Extended RGB** (see DMX-Channel Function)
- Extended HSV** (see DMX-Channel Function)
- Basic RGB** (see DMX-Channel Function)
- Basic HSV** (see DMX-Channel Function)
- Extended DF RGB** (see DMX-Channel Function)
- Extended DF HSV**(see DMX-Channel Function)

## Setup - COLOR CONTROL MODE

This lets you select the color management based on channel mode selection, selecting one of the three available modes:

- RAW** : It enable the direct control of the output of the 6 available colour source (Red, PC Amber, PC Green, Green, Cyan and Blue)
- RGB**: The projector functions in the same way as a classic RGB projector.
- CMY**: The projector functions in the same way as a classic CMY projector.

## Setup - FIXTURE ID

It lets you define a "Fixture ID" to the projector. An "ID" number between 0 and 255 can be assigned. The ID number will be displayed on the home view together with DMX address

## Setup – WIRELESS DMX

It lets you define the setting to use the Wireless connections.

**ENABLEMENT**: Allow you to enable or disable the receiving of wireless DMX. When is set as enable the fixture is ready to be linked from a Wireless transmitter. (Disabled is the **default setting**)

**UNLINK**: This function allows you to unlink the fixtures from the radio-connected transmitter.

**Note**: The wire DMX connection has the priority on Wireless.

## Setup - ETHERNET INTERFACE

It lets you define fixture Ethernet settings

### Control Protocol

**Disabled (default setting)** – It disables the Ethernet protocol.

**Art-net on IP 2** – It activate the IP address with first byte 2.

**Art-net on IP 10** – It activate the IP address with first byte 10.

**DHCP** – It activate the Dynamic Host Configuration Protocol

**Art-net Custom IP** – It allow to set up all bytes of IP address and Net Mask.

**ArtNet Net** – It let you set the "Net" (Valid values between 0 to 127).

**ArtNet Subnet** – It let you set the "Subnet" (Valid values between 0 to 15)

**ArtNet Universe** – It let you set the "Universe" (Valid values between 0 to 15)

### Repeat on DMX

#### Enablement

**Disabled (default setting)** - It disables the transmission of the DMX data on the DMX output.

**Enabled on primary** – It activates the transmission of the DMX data on the DMX output (Fixtures works as an Ethernet/DMX converter). First fixture receive ArtNet then to the others units can be built a standard DMX chain.

#### ArtNet Universe

It let you set the "Universe" (Valid values between 0 to 15) for the DMX data sent to the DMX Output

**Custom IP Address** – It let you to set up all bytes of IP address (Valid values between 0 to 255)

**Custom IP Mask** – It let you to set up all bytes of Net Mask (Valid values between 0 to 255)

# OPTIONS MENU

## Option – DISPLAY

It lets you control the intensity of the screen:

**ON (Default setting)** – It keeps the screen always at the maximum intensity.

**OFF** – The screen turn off automatically after 20 seconds from the last pressing of any button on the control panel.

## Option – SPECIAL FUNCTIONS

**Dimmer Curve** - Allows selecting four different Dimmer channel curves:

**Curve 1** - Linear (default setting)

**Curve 2** - Square

**Curve 3** - Smooth square

**Curve 4** - S curve

**RGB Gamma** - Lets you select three different gamma correction

**Gamma 1.0**

**Gamma 1.5**

**Gamma 2.2 (default setting)**

**Halogen Mode** - This function emulate the dynamics of an incandescent light during dimming and replicate the halogen color temperature.

Lets you select five different wattages simulation:

**Halogen OFF (default setting)**

**Halogen Lamp 1 - 750W**

**Halogen Lamp 2 - 1000W**

**Halogen Lamp 3 - 1200W**

**Halogen Lamp 4 - 2000W**

**Halogen Lamp 5 - 2500W**

**CTO Mode** - The behavior of the CTO parameter can be set as:

**Filter (default setting):** All the colours and the white are changed by the CTO parameter, works as a filter above color point.

**White:** The CTO parameter behaves like a White Channel, white output range 2500K to 8000K. When enabled the selected white (value between 1 & 255) replaces the color previously set.

Works in RAW, RGB and CMY modes.

**Note:** If the Halogen mode is activated the CTO parameter is disabled.

**RGB Color space** - It define all the possible colors that can be made from three chromaticities of Red, Green and Blue.

**Native** – It is the color model defined by the primary colors of the fixture.

**sRGB** - It is the standard color model used on monitors and printers.

**Base PWM Frequency** – This function define the basic dimming frequency of LEDs.

**1000Hz**

**1500Hz (Default value)**

**2400Hz**

**3700Hz**

**5600Hz**

**9400Hz**

**15100Hz**

**21400Hz**

**31000Hz**

**43700Hz**

**Note:** Using the frequency DMX parameter it increase or decrease the basic value selected from this function.

## OPTIONS 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.

(\*) 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 – 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.

**Note:** It is possible to reset only the Partial counter.

### Information – LED HOURS

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

**Total counter** - It counts the number of LEDs working life hours (from construction to date).

**Partial counter** - It counts the number of LEDs 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.

**Note:** It is possible to reset only the Partial counter.

### Information – SYSTEM VERSION

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

**App fw** - It views the Application firmware of CPU board (X.X.XXX)

**Boot fw** - It views the Boot firmware of CPU board (X.X.XXX)

**Display fw** - It views the display firmware (X.X.XX)

**HW Rev.** it display hardware revision version

**CPU SN** - It views the serial number of CPU board

### Information –DIAGNOSTICS

It lets you view the information of temperature on CPU and Led driver electronic boards installed in the projector

**LED brd temperature** - It views the temperature (°C) of Leds board.

**CPU brd temperature** - It views the temperatures (°C) of CPU 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 the fan installed in the projector

**PwrSp** – It views the speed (rpm) of PSU cooling fan

### Information – NETWORK PARAMETERS

Lets you view the projector Networks information

**IP address:** It views the Internet Protocol address (x.x.x.x)

**IP mask:** It views the NetMask (x.x.x.x)

**Mac address:** It views the Media Access Control; the projector's network address. The Mac addresses are assigned by the manufacture.

### Information – SERIAL NUMBER

Lets you view the projector Serial number information

## MANUAL CONTROL

### Manual Control – RESET

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

### Manual Control – CHANNEL

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

## ADVANCED MENU

To access to the “Advanced Menu” is necessary to insert the code **1234**

### Test Fan

It let you test the Fan speed

### Advanced – FIRMWARE UP LOAD

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