

Default parameters highlighted in grey.

Main Menu	Level 1	Level 2	Level 3	Choices / Values		
SET UP	DMX Address	→	→	001-512		
	Modes	→	→	Standard Smart Service		
	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	Pan / Tilt	Invert Pan	→	On / Off	
		Invert Tilt	→	On / Off	
		Swap Pan-Tilt	→	On / Off	
		Speed Pan-Tilt	→	Standard Fast	
		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 Enable	→	On / Off	
		Dimmer Curve	→	→	Standard
		Chg RotGobo Speed	→	→	Normal Fast
		Display	→	→	On / Off
		RGB Gamma	→	→	Gamma 1.0 Gamma 1.5 Gamma 2.0
		PWM Frequency	→	→	4700 Hz 6000 Hz 7300 Hz 8600 Hz 10000 Hz 12000 Hz 15000 Hz 17578 Hz 20000 Hz 22000 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

<b>Main Menu</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Choices / Values</b>
INFORMATION	System Errors	→	→	Read / Reset
	Fixture Hours	Total Hours	→	Read
		Partial Hours	→	Read / Reset
	Laser Hours	Total Hours	→	Read
		Partial Hours	→	Read / Reset
	System Version	CPU brd	→	Fw.rev. / Hw.rev.
		com.dev	→	Fw.rev.
		Lsr Drv	→	Fw.rev. / Hw.rev.
		0: P&T	→	Fw.rev. / Hw.rev.
		1: 8 ch	→	Fw.rev. / Hw.rev.
	Board Diagnostic	0: P&T	→	Status / Err%
		1: 8 ch	→	Status / Err%
	DMX Monitor	Channels	→	Value / Percentage
	Fans Monitor	PwrSp	→	Speed (RPM)
		Led Out	→	Speed (RPM)
		Led Out	→	Speed (RPM)
	RDM Unique ID	→	→	ID: xxxxxxxxx
	Sensor status	Channel name	→	n.a / On / Off
	Rot Gobos Indexing	→	→	Indexing Active Indexing Required
	3 Prisms Indexing	→	→	Indexing Active Indexing Required
Network parameters	→	→	IP Address	
			IP Mask	
			MAC Address	
Serial Number	→	→	??XXXXXX	

Main Menu	Level 1	Level 2	Level 3	Choices / Values
MANUAL CONTROL	Reset	→	→	Yes / No
	Channel	→	→	Value / Percentage
TEST	→	→	→	Pan / Tilt
	→	→	→	Colour
	→	→	→	Effects
	→	→	→	Complete
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
		3Prisms Indexing	<i>Starting procedure .....</i>	Yes / No
		Menu Locking	→	Unlock Code XXXX
		Laser Ch.Temp	→	TempR: ?°C TempG: ?°C TempB: ?°C Board: ?°C
		Copy Safety	<i>Copying .....</i>	<i>Are you sure ?</i> Yes / No

## SET UP MENU

### Setup - 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.

### Setup – MODES

It lets you enable (ON) the **Mode**:

- **Standard Mode**
- **Smart Mode** (password to be request to Claypaky)
- **Service Mode**

**WARNING: Before servicing the luminaire, Service Mode must be engaged: this will result in limiting potential exposure inside the luminaire to Class 3R level.**

### 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:

#### 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.

## 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**

#### 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".**

**ATTENTION: Encoder cannot be disabled when unit in Standard or Smart mode, due to safety reasons.**

#### 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 MENU

### Option – DIMMER CURVE

It allows you to select the available Dimmer curve:

- **Standard**

### Option – CHANGE ROTATING GOBO SPEED

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

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

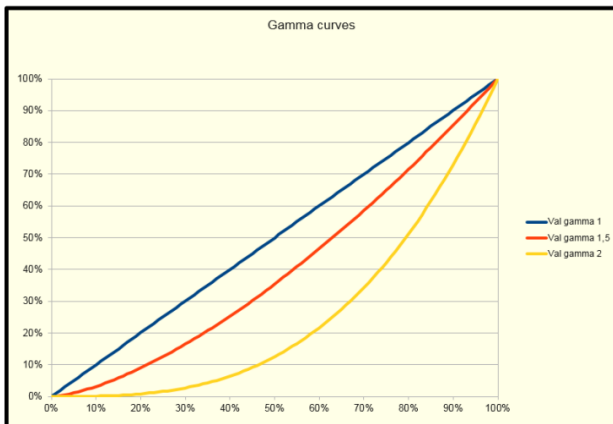
### Option - DISPLAY

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 – RGB GAMMA

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

- **Gamma 1.0**
- **Gamma 1.5**
- **Gamma 2.0**



### Option – PWM FREQUENCY

Lets you select ten different base PWM frequencies:

- 4700
- 6000
- 7300
- 8600
- 10000
- 12000
- 15000
- **17578**
- 20000
- 22000

## OPTION MENU

### Option – W-DMX

#### ENABLE

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

### Option - SETTING

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 - LASER HOURS

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

**Total counter**

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

**Partial counter**

It counts the number of Laser 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 (Driver Laser board)
- 0: P&T (Pan / Tilt board)
- 1: 8-Ch (8-channel board)

### Information - BOARD DIAGNOSTIC

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

- 0: P&T (Pan / Tilt board)
- 1: 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:

- PwrSp (PSU cooling fan, air flow IN)
- HeatSink (heatsink cooling fan)
- Led OUT (Led cooling fan, air-flow OUT)

### 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 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.

### Information – 3 PRISMS 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 – 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%).

**ATTENTION: Manual Control forbidden when unit in Standard or Smart mode, due to safety reasons.**

## TEST MENU

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

- Pan/Tilt
- Colour
- Effects
- Complete

## ADVANCED MENU

To access 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 – ROT GOBO INDEXING

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

### Advanced – 3 PRIMS 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 – LASER CH. TEMP

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

### Advanced – COPY SAFETY

It lets you transfer "safety configuration" 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.