Skylos

CLAYPAKY
AN ARRI COMPANY

Default parameters are 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
Option	Pan / Tilt	Invert Pan	→	On / Off
		Invert Tilt	→	On / Off
		Swap Pan-Tilt	→	On / Off
		Speed Pan-Tilt	→	Standard
				Fast
		P/T Homing mode	→	Standard
				Sequenced
		Pan Home Def Pos	→	0 degree
				90 degrees
				180 degrees
				270 degrees

Main Menu	Level 1	Level 2	Level 3	Choices / Values
				0%
				12.5 %
				25%
		Tilt Home Def Pos	→	50%
				75%
				87.5 %
				100%
	Front lens defrost	→	→	Yes / No
	Display	→	→	On / Off
				4700 Hz
				6000 Hz
				7300 Hz
				8600 Hz
	PWM Frequency	→	→	10000 Hz
				12000 Hz
				15000 Hz
				17578 Hz
				20000 Hz
				22000 Hz
	W-DMX	Enable	→	On / Off
		Status	→	Status / Unlink
		Default Preset	Reset To Default	Are you sure ?
			Go Back	Yes / No
		User Preset 1	Load preset 1	Are you sure ?
	Setting		Save to preset 1	Yes / No
		User Preset 2	Load preset 2	Are you sure ?
			Save to preset 2	Yes / No
		User Preset 3	Load preset 3	Are you sure ?
			Save to preset 3	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
	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)
		Heater	→	Speed (RPM)
		Heater	→	Speed (RPM)
		Lsr Drv	→	Speed (RPM)
		Lsr Drv	→	Speed (RPM)
		Lsr Heatsink	→	Speed (RPM)
		Lsr Heatsink	→	Speed (RPM)
		Ph. Wheel	→	Speed (RPM)
		Heater	→	Speed (RPM)
	RDM Unique ID	→	→	ID: xxxxxxxxx
	Sensor status	Channel name	→	n.a / On / Off
	2 Prisms Indexing	→	→	Indexing Active
				Indexing Required
	Network parameters	→	→	IP Address
				IP Mask
				MAC Address
	Serial Number	→	→	??XXXXXX

Manual Control	Reset	→	→	Yes / No
	Channel	→	→	Value / Percentage

Test	→	→	→	Pan / Tilt
	→	→	→	Colour
	→	→	→	Effects
	→	→	→	Complete

Main Menu	Level 1	Level 2	Level 3	Choices / Values
Advanced	Access Code <u>1234</u>	Upload Firmware	*Transfer* ……..	*Are you sure ?*
				Yes / No
		Setup Model	*Changing* ……..	*Are you sure ?*
				Yes / No
		Calibration	Channels	000 - 255
		2Prisms Indexing	*Starting procedure* …..	Yes / No
		Menu Locking	→	Unlock Code XXXX
		Laser Temperatures	→	Temp Laser: ?°C
				Temp Wheel: ?°C
				Temp Driver: ?°C
		Copy Safety	*Copying* ……..	*Are you sure ?*
				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 **Work 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**

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%**

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 – PWM FREQUENCY

Lets you select ten different base PWM frequencies:
- 4700
- 6000
- 7300
- 8600
- 10000
- 12000
- 15000
- 17578
- 20000
- 22000

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 - 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:
1. PwrSp (PSU internal fan)
2. Heater (Front lens)
3. Heater (Laser enclosure)
4. Lsr Drv (Laser enclosure intake)
5. Lsr Drv (Laser enclosure exhaust)
6. Lsr Heatsink (Laser heatsink intake)
7. Lsr Heatsink (Laser heatsink exhaust)
8. Ph Wheel (Laser phosphor wheel)
9. Heater (PT Yoke)

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 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 – 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.