Note: Default parameters Highlighted in grey.

Main Menu	Level 1	Level 2	Level 3	Choices / Values
SET UP	Basic Engine	Mode	→	Standard Shape Standard + Freq. Shape + Freq.
		Source	→	DMX Art-net
		Universe	→	0 - 255
		DMX Address	→	1 - 512
	Pixels Engine	Mode	→	Disabled RGB RGBW
		Source	→	DMX Art-net Kling-Net
		Universe	→	0 - 255
		DMX Address	→	1 - 512
	Repeat on DMX	Enablement	→	Disabled Enabled on primary
		Universe	→	0 - 255
	Ethernet Interface	Control Protocol	→	Disabled Art-net on IP 2.x.x.x Art-net on IP 10.x.x.x Custom IP
		Custom IP Address	IP address byte 1 IP address byte 2 IP address byte 3 IP address byte 4	0 - 255 0 - 255 0 - 255 0 - 255
		Custom IP Mask	IP mask byte 1 IP mask byte 2 IP mask byte 3 IP mask byte 4	0 - 255 0 - 255 0 - 255 0 - 255
	Fixture ID	→	→	0 - 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
		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 %
	Silent Mode	→	→	Super Silent Silent Standard Emulate K20
	Fan Speed Mode	→	→	Auto Full
	Display	→	→	On / Off

Main Menu	Level 1	Level 2	Level 3	Choices / *Values*
OPTION	Special Functions	Pan/Tilt speed	→	Normal Fast
		Dimmer curve	→	Curve 1 Curve 2 Curve 3 Curve 4
		RGB Gamma	→	Gamma 1.0 Gamma 1.5 Gamma 2.0
		Halogen Mode	→	Halogen OFF Halogen Lamp 1 Halogen Lamp 2 Halogen Lamp 3 Halogen Lamp 4 Halogen Lamp 5
		PWM Frequency	→	1000Hz 1500Hz 2400Hz 3700Hz 5600Hz 9400Hz 15100Hz 21400Hz 31000Hz 43700Hz
		Emulates K10/K20	→	Disable Enable
	Setting	Default Preset	→	Reset To Default Go Back
		User Preset 1	→	Load preset 1 Save to preset 1
		User Preset 2	→	Load preset 2 Save to preset 2
		User Preset 3	→	Load preset 3 Save to preset 3

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 Energy Tot	Total Hours	→	Read
		Partial Hours	→	Read / Reset
	System Version	Aleda fw	→	Fw.rev.
		CPU board	→	Hw.rev.
		com.dev	→	Fw.rev.
		Led Drv	→	Fw.rev. / Hw.rev.
		0:PT-3f	→	Fw.rev. / Hw.rev.
		1: HyB-Eye	→	Fw.rev. / Hw.rev.
	Board Diagnostic	0:PT-3f	→	Status / Err%
		1: HyB-Eye	→	Status / Err%
	DMX Monitor	Channels	→	*Value / Percentage*
	Fans Monitor	PwrSp	→	Speed (RPM)
		PwrSp	→	Speed (RPM)
		Head	→	Speed (RPM)
		Head	→	Speed (RPM)
		Head	→	Speed (RPM)
		Head	→	Speed (RPM)
	RDM Unique ID	→	→	ID: xxxxxxxxxxxx
	Sensor Status	Pan	→	ON / OFF / n.a.
		Tilt	→	ON / OFF / n.a.
		Zoom Rotation	→	ON / OFF / n.a.
		Zoom	→	ON / OFF / n.a.
	Network parameters	→	→	IP Address
		→	→	IP Mask
		→	→	MAC Address
MANUAL CONTROL	Reset	→	→	Yes / No
	Channels	→	→	Value / Percentage
TEST	→	→	→	Pan / Tilt
	→	→	→	Colour
	→	→	→	Zoom
	→	→	→	Rotation
	→	→	→	All
	→	→	→	Zoom Rotation Sensor Test
ADVANCED	Access Code 1234	Zoom reposition	→	On / Off
		Upload Firmware	→	Yes / No
		Setup Model	→	Yes / No
		Calibration	Channels	000 - 255
		Menu Locking	→	0000
		LED calibration	LED Selection 01-37	Red 0-255 Green 0-255 Blue 0-255 White 0-255
			Reset To Default LED Calibration	

SET UP MENU

For greater programming ease using the DMX control unit and Media-server Art-net, channel mapping is divided into BASIC ENGINE and PIXEL ENGINE (see details in Channel Function).

Setup – Basic Engine - MODE

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

- **Standard** (see channel mapping)
- **Shape** (see channel mapping)
- **Standard + Frequency** (see channel mapping)
- **Shape + Frequency** (see channel mapping)

Setup – Basic Engine - SOURCE

It lets you assign the input source the projector receives signals from dedicated to BASIC ENGINE. One of the two available sources can be selected:

- **DMX**
- **Art-net**

Setup – Basic Engine - UNIVERSE

It lets you set "DMX Universe" for BASIC ENGINE mode to assign values between 000 and 255 to a series of projectors (This option is valid only if Source= Art-net).

Setup – Basic Engine – DMX ADDRESS

It lets you select the address (DMX Address) for the control signal by BASIC ENGINE. A DMX address between 001 and 512 can be selected. NOTE: Without the DMX input signal, the displayed address (DMX Address) blinks.

Setup – Pixel Engine – MODE

This lets you select the projector operating mode for PIXELS ENGINE, selecting one of the three available modes:

- **Disabled**
- **RGB** (see channel mapping in Channel Function)
- **RGBW** (see channel mapping in Channel Function)

Setup – Pixel Engine – SOURCE

It lets you assign the input source the projector receives signals from dedicated to PIXELS ENGINE. One of the three available sources can be selected:

- **DMX**
- **Art-net**
- **Kling-Net**

Setup – Pixel Engine – UNIVERSE

It lets you set "DMX Universe" for PIXELS ENGINE mode to assign values between 000 and 255 to a series of projectors (This option is valid only if Source= Art-net).

Setup – Pixel Engine – DMX ADDRESS

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

Setup – Repeat on DMX - ENABLEMENT

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.

SET UP MENU

Setup – Repeat on DMX - UNIVERSE

It lets you set the “DMX Universe” to assign values between 000 and 255 to a series of projectors. In this case it refers to an Art-net input not read by the projector and re-transmitted to other projectors.

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.

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.

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.

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.

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**

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 – SILENT MODE

It allows you to select one of the three Mode available:

- **Super Silent**: Cooling is at its minimum, when the LEDs are turned off, after 35 seconds the head and base fans turn off completely.
- **Quiet**: Decreases fan power and consequently noise but derating occurs first, when the LEDs are turned off, after 35 seconds the head and base fans turn off completely.
- **Standard**: Cooling is at its maximum and noise too, than the derating occurs late, when the LEDs are turned off, after 35 seconds, the head and base fans turn off completely.
- **Emulate K20**: Allows you to emulate the brightness and the noise of the A.leda B-Eye K20, if enabled, when the LEDs are turned off after 35 seconds, the head and base fans turn off completely.

Option – FAN SPEED MODE

Allows you to set how to manage the fan speed of the head of the fixture, select between the two available:

- **Auto**: the head’s fan varies the speed depending on the temperature detected on the LED.
- **Full**: the head’s fan is always at full speed.

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 – SPECIAL FUNCTIONS

PAN/TILT SPEED

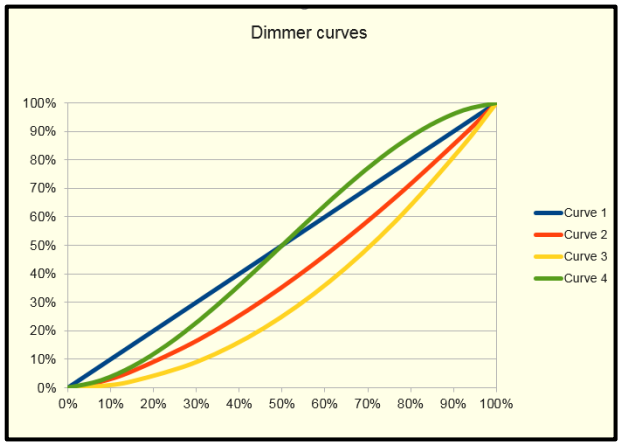
Lets you select two different Pan and Tilt speeds:

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

DIMMER CURVE

Lets you select four different Dimmer channel curves (see details below):

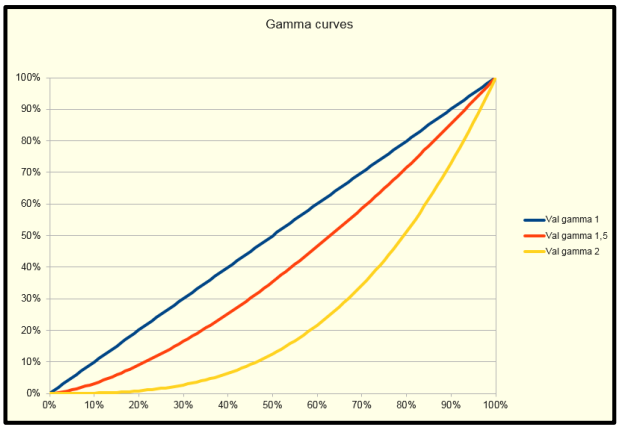
- **Curve 1**
- **Curve 2**
- **Curve 3**
- **Curve 4**



RGB GAMMA

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

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



OPTION MENU

PWM Frequency

Lets you select ten different base frequencies of LEDs:

- **1000Hz**
- **1500Hz**
- **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.

HALOGEN MODE

With Halogen emulation mode all parameters are set to emulate the dynamics of an incandescent light, specifically the dimmer curve and the color temperature. Lets you select five different types of incandescence:

- **Halogen OFF**
- **Halogen Lamp 1 - 750 W**
- **Halogen Lamp 2 - 1000 W**
- **Halogen Lamp 3 - 1200 W**
- **Halogen Lamp 4 - 2000 W**
- **Halogen Lamp 5 - 2500 W**

EMULATES K20

Allows you to emulate the brightness of A.leda B-Eye K10 or A.leda B-Eye K20, if enabled.

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 ENERGY TOT
Lets you view total LED working hours (total and partial Watts/hour): • **Total**: Total LED working hours from construction to date. • **Partial**: LED working hours from 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) • Led Drv (Driver Led board) • 0: P&T (Pan / Tilt board) • 1: Hy B-Eye (FPGA 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: Hy B-Eye (scheda FPGA)
Information - DMX MONITOR
It lets you view the level of projector DMX channels in bit (Val) and in percentage.
Information - FANS MONITOR
It lets you view the speed of each fan installed in the projector: • Pwr Sp (Power Supply cooling fan) • Head (Head cooling fan)
Information – RDM UNIQUE ID
Shows the exclusive address of the fixture to use communicate via RDM.
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 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.

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

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

ADVANCED MENU

To open the “Advanced Menu”, enter the code (1234).

Advanced – ZOOM REPOS

Allows you to enable (On) or disable (Off) the coming back of the lens assembly (channel Zoom @ 255bit), in the absence of DMX signal.

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 – 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. Default Unlock Code is: 0000.

Advanced – LED CALIBRATION

It allows to execute through the control panel small adjustment of each LED acting on Red/Green/Blue/White of each.

Factory default
It lets you restore default "Calibration” values (128 bit) on all LEDs.