



Mini-B Sparky Aqua

User Menu

11/2025

USER MENU GUIDE

IMPORTANT: To Unlock the display and access to the menu press the buttons sequence UP – DOWN – UP – DOWN – ENTER.

IMPORTANT: Please note all the default setting are highlighted in a grey color.

SETUP

Main Menu	Level 1	Level 2	Level 3	Choices / Values
SETUP	Basic Engine	Mode	→	STD RGBW STD RGBW 16 bit Shape RGBW Shape RGBW 16 bit Advanced
		Source	→	DMX Art-Net sACN
		Universe	→	0 - 255
		DMX Address	→	1 – 512
	Pixel Engine	Mode	→	Disabled RGB RGBW
		Source	→	DMX Art-Net Kling-Net sACN
		Universe	→	0 - 255
		DMX Address	→	1 – 512
	Art-Net	Custom IP Address	IP address byte 1	0 - 255
			IP address byte 2	0 - 255
			IP address byte 3	0 - 255
			IP address byte 4	0 - 255
		Custom IP Mask	IP mask byte 1	0 - 255
			IP mask byte 2	0 - 255
			IP mask byte 3	0 - 255
			IP mask byte 4	0 - 255
		Repeat on DMX	→	No Both Engine Basic Engine Pixels Engine

OPTION

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 %
		P/T Enable	→	On / Off
		P/T Speed	→	Normal / Fast
	Display	→	→	On / Off
	Key Lock	→	→	Yes / No Pws:Up+Down+Up+Down+Enter
	Fan Mode	→	→	Auto SLN Theatre Constant
	Power Mode	→	→	STD Power Eco Power
	Reverse Mapping	→	→	On / Off

OPTION

Main Menu	Level 1	Level 2	Level 3	Choices / Values
OPTION	Special Functions	Dimmer curve	→	Curve 1 Curve 2 Curve 3 Curve 4 Curve 5
		Dimmer Fade		On / Off
		RGB Gamma	→	Gamma 1.0 Gamma 1.5 Gamma 2.2
		PWM Frequency	→	600 Hz 1200Hz 2000 Hz 4000 Hz 6000 Hz 25000 Hz
	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



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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 Hours	Total Hours	→	Read
		Partial Hours	→	Read / Reset
	System Version	Disp Net CTR 1 XY CTR 2 Motor	→	Fw.rev. Fw.rev. Fw.rev. Fw.rev.
	DMX Monitor	Channels	→	Bit
	Fans Monitor	LED Fan	→	Percentage %
	Network parameters	→	→	IP Address
		→	→	IP Mask
		→	→	MAC Address
	RDM Unique ID	→	→	ID: xxxxxxxxxxxxx
MANUAL CONTROL	Reset	→	→	Yes / No
	Channels	→	→	Value
TEST	→	→	→	Pan / Tilt
	→	→	→	Color
	→	→	→	All
ADVANCED	Access Code <u>1234</u>	Upload Firmware	→	Yes / No
		Calibration	Channels	000 – 255
		Color Calibration	→	Off
			Factory calibration	Red 125 - 255 Green 125 - 255 Blue 125 - 255 White 125 – 255
			Customized calibration	Red 125 - 255 Green 125 - 255 Blue 125 - 255 White 125 – 255
		Menu Locking	→	1234
		Recover	→	Yes / No

SET UP MENU

Setup → Basic Engine

Mode

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

- **Standard RGBW**
- **Standard RGBW 16 bit**
- **Shape RGBW**
- **Shape RGBW 16 bit**
- **Advanced**

Source

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

- **DMX**
- **Art-Net**
- **sACN**

Universe

It lets you assign a Universe to a series of fixtures. Values between 000 and 255.

DMX Address

Important: Without the input signal, the displayed DMX Address blinks.

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

Setup → Pixel Engine / Strobe Engine

Mode

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

- **Disabled**
- **RGB**
- **RGBW**

Source

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

- **DMX**
- **Art-Net**
- **Kling-Net**
- **sACN**

Universe

It lets you assign a Universe to a series of fixtures. Values between 000 and 255.

DMX Address

Important: Without the input signal, the displayed DMX Address blinks.

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

SET UP MENU

Setup → Art-Net Interface

It lets you set Art-Net settings to be assigned to the fixture as indicated below

Custom IP Address

It lets you assign the IP Address according to the used control unit.

Custom IP Mask

It lets you assign the Subnet Mask according to the used control unit.

Repeat on DMX

It lets you enable or disable the transmission of the Art-Net protocol by the DMX line. When activated the master unit transfer the DMX data to all the connected fixtures:

- **No**
- **Both Engine**
- **Basic Engine**
- **Pixels Engine**

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.

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

It allows you to disable the pan and tilt movement (Select OFF) to use the fixture as a follow-spot. Select ON to disable this option.

PAN / TILT SPEED

Let you select two different Pan and Tilt speeds:

- **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 – KEY LOCK

It allows the automatic lock of the screen to access the fixture menu. Select **YES** to activate the lock the screen after 30 seconds in the idle status. Select NO to disable the automatic lock of the screen.

IMPORTANT:

The unlock code is the sequence buttons:

Up – Down – Up – Down – Enter

Option – FAN MODE

Defines the cooling mode:

- **Auto**: Cooling increase/decrease in correlation to the LED module temperature
- **SLN**: Fan power at minimum range.
- **Theatre**: Fan power is always at a constant range and light output is constantly reduced.
- **Constant**: Fan power at maximum range.

Option – POWER MODE

Defines the LED engine power mode for the fixture:

- **STD Power**: The LED engine can reach the full power.
- **ECO power**: The LED engine is dimmed to 90% of STD power.

Option – REVERSE MAPPING

It lets mapping direction from Inner to outer (**OFF**), be able to reverse from Outer to Inner (**ON**).

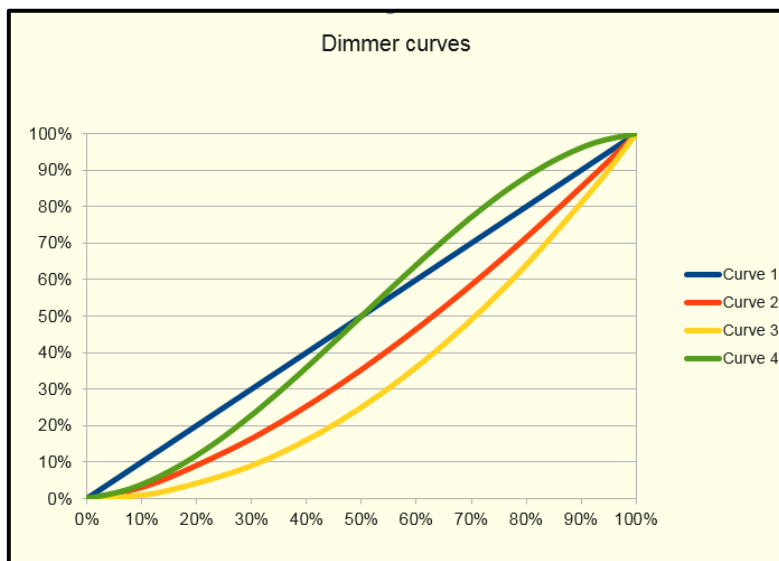
OPTION MENU

Option – SPECIAL FUNCTIONS

DIMMER CURVE

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

- **Curve 1**
- **Curve 2**
- **Curve 3**
- **Curve 4**
- **Curve 5**



Note: The Dimmer Curve 5 has all the Leds synchronized, for balanced behavior in white.

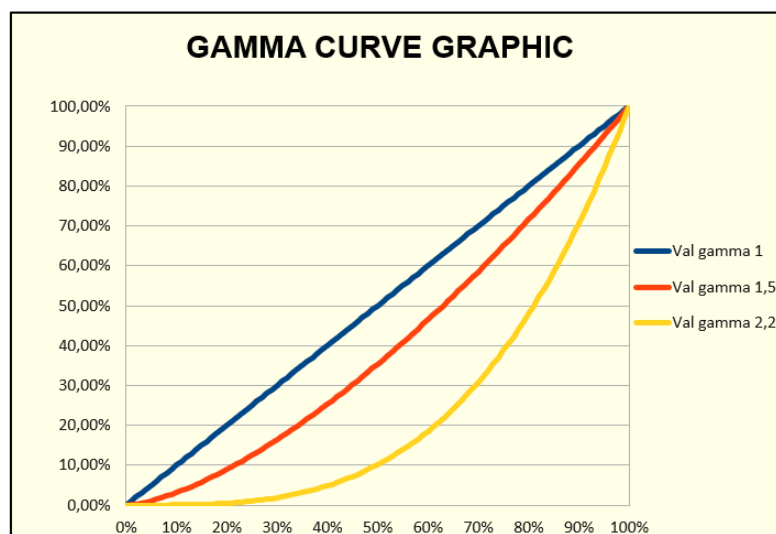
DIMMER FADE

It lets you select a normal Dimmer effect (OFF) or with fade effect (ON).

RGB GAMMA

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

- **Gamma 1.0**
- **Gamma 1.5**
- **Gamma 2.2**



OPTION MENU

Option – SPECIAL FUNCTIONS

PWM FREQUENCY

Let's you select ten different base frequencies of LEDs:

- 600
- 1200
- 2000
- 4000
- 6000
- 25000

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.

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 projectors 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 HOURS

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

Total Counter

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

Partial Counter

It counts the number of LED 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 software versions for each electronic board in the projector:

- Disp
- Net
- Ctr1-XY
- Ctr2-Motor

Information - DMX MONITOR

It lets you view the level of projector DMX channels in a bit.

Information – FANS MONITOR

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

- Led Fan (LED cooling fan)

Information – NETWORK PARAMS

Lets you view the projector's "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 – UID

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

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:

- Pan / Tilt
- Colour
- Zoom
- All

ADVANCED MENU

Note: To access the “Advanced Menu”, enter the code (1234).

Advanced - UPLOAD FIRMWARE

It lets you transfer the firmware from one fixture to all the other connected to the same line. A confirmation message will appear on the display “Are you sure?” Select YES to confirm or NO to abort the operation.

IMPORTANT: It is possible to transfer the firmware only with the same fixture’s models.

IMPORTANT: We recommend uploading the firmware to a maximum 5/6 units per time.

Advanced - CALIBRATION

It lets you make small mechanical adjustments on some effects/channels to perfectly align projectors from the control panel.

Advanced → COLOR CALIBRATION

It lets you to make a fine electronics adjustment on the colours parameters to get a better consistency within a group of fixtures.

Default setting Off

- Red 125-255
- Green 125-255
- Blue 125-255
- White 125-255

IMPORTANT: The setting must be activated on the fixture through the FUNCTION parameter. Value 078-082 Bits.

Advanced – MENU LOCKING

It allows you to assign a password to lock access to the ADVANCED menu to avoid any wrong setting or operation by people, not from the technical staff. The default Unlock Code is: 1234.

IMPORTANT: If necessary to reset any custom code go to Option → Setting → Default Preset → Reset to default, it will set all the default settings and restore the code to 1234.

Advanced → RECOVER

The recover function allows to restore the functionality of the electronic boards following a fail during the firmware update process to the fixture. Please refer to the “Recover function” tech document for the detail of the procedure.