Tambora Rays
User menu

11/2025

USER MENU GUIDE

IMPORTANT: Please note all the default settings are highlighted in a grey color
Factory Reset: Press “Mode” and “Enter” together for one second.
Convert the display: Press the top and bottom buttons in the home menu for holding 3 seconds.
Battery display: Long press the right button for holding 3 seconds without connecting the power to set the menu parameter.
Web server: User name and password is admin.
Display Password (Up→Down→Up→Down→Enter)

SETUP

Main Menu	*Level 1*	*Level 2*	*Level 3*	*Choices / Values*
SETUP	Basic Engine	Mode	→	Basic
				Standard
				Advanced
		Source	→	DMX
				Art-Net
				sACN
		Universe	→	000 – 255
		DMX Address	→	001 – 512
	Pixels Engine	Mode	→	Disabled
				RGB
				RGBW
		Source	→	DMX
				Art-Net
				Kling-Net
				sACN
		Universe	→	000 – 255
		DMX Address	→	001 – 512
	Art-Net	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
		Repeat on DMX	→	No
				Both Engine
				Basic Engine
				Pixels Engine

OPTION

Main Menu	Level 1	Level 2	Level 3	Choices / *Values*
OPTION	Display	→	→	On / Off
	Key Lok	→	→	No / Yes Up→Down→Up→Down→Enter
	Fan Mode	→	→	Auto SLN Theatre Constant
	Power Mode	→	→	STD Power ECO Power
	Reverse Mapping	→	→	On / Off
	Special Functions	Dimmer curve	→	Curve 1 Curve 2 Curve 3 Curve 4 Curve 5
		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

INFORMATION

Main Menu	Level 1	Level 2	Level 3	Choices / *Values*
INFORMATION	System Errors	→	→	Read / Reset
	Fixture Hours	Total Hours	→	Read only
		Partial Hours	→	Reset / Go Back
	LED Hours	Total Hours	→	Read only
		Partial Hours	→	Reset / Go Back
	System Version	DISP	→	Fw.rev.
		NET	→	Fw.rev.
		CTR-LED	→	Fw.rev.
	DMX Monitor	Functions	→	*DMX in value (BIT)*
	Fans Monitor	LED Fan	→	Percentage %
	Network parameters	→	→	IP Address
		→	→	IP Mask
		→	→	MAC Address
	UID	→	→	UID: xxxxxxxxxxx
	Temperature	RGBW Temp	→	25 °C

MANUAL CONTROL

Main Menu	Level 1	Level 2	Level 3	Choices / *Values*
MANUAL CONTROL	Reset	→	→	No / Yes
	Channels	→	→	Bit value

TEST

Main Menu	Level 1	Level 2	Level 3	Choices / *Values*
TEST	→	→	→	Color
	→	→	→	Pixel Color
	→	→	→	All

ADVANCED

Main Menu	Level 1	Level 2	Level 3	Choices / *Values*	
ADVANCED	Access Code 1234	Upload Firmware	→	Yes / No	
		Color Calibration	Off		
			Adjust	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:

- **Basic**
- **Standard**
- **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

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.

Setup → Ethernet Interface

It lets you set Ethernet 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.

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

- NO: DMX data transmission disabled.
- YES: DMX data transmission enabled.

OPTION MENU

Option → Display

It lets display brightness reduction automatically after 30 seconds in idle status (OFF). Select ON, display keeps on.

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:
To unlock the screen press the sequence buttons
Up – Down – Up – Down – Enter.

Option → Fan Mode

Defines the fixture cooling mode:

- **Auto**: Cooling increase/decrease in correlation to the LED module temperature
- **SLN**: Fan power always at a constant range, light output change accordingly with ambient temperature.
- **Theatre**: Fan power always at a constant range, light output keeps constant.
- **Constant**: Fan power always 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 → Pixel Engine / Strobe Engine Reverse Mapping

It lets mapping direction from Left to Right (OFF), be able to reverse from Right to Left (ON).

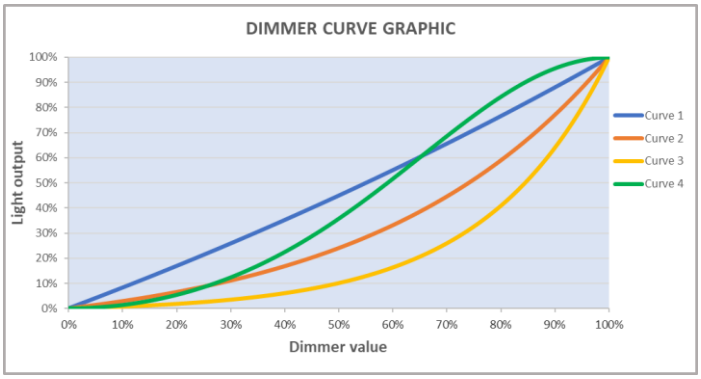
OPTION MENU

Option → SPECIAL FUNCTIONS

Dimmer Curve
It lets you select four different Dimmer curves (see details below):

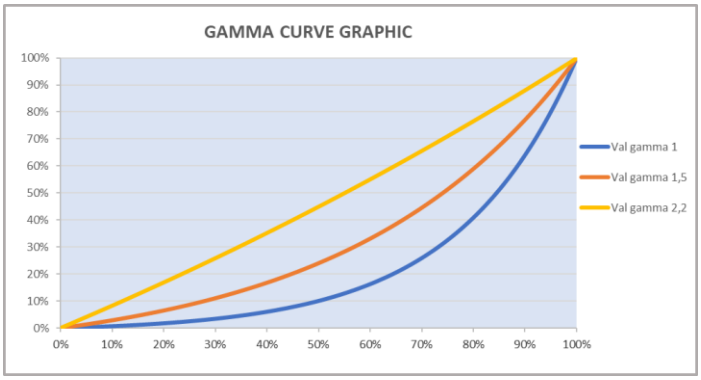
- **Curve 1**
- **Curve 2**
- **Curve 3**
- **Curve 4**
- **Curve 5**

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



RGB Gamma
It lets you select three different RGBW gamma curves (see details below):

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



Option → PWM FREQUENCY

It lets you select ten different base frequencies of LEDs:

- **600Hz**
- **1200Hz**
- **2000Hz**
- **4000Hz**
- **6000Hz**
- **25000Hz**

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.

IMPORTANT:
(*) DEFAULT PRESET It lets you restore default values on all option menu items and relevant submenus.

INFORMATION MENU

Information → SYSTEM ERRORS

It displays the list of errors that occurred when the fixture is been 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 the reset.

Information → FIXTURE HOURS

It lets you view the fixture's working hours (total and partial).

Total counter
It counts the number of fixture's working life hours (from construction to date). Note: This value cannot be reset.

Partial counter
It counts the partial number of fixtures' working hours from the last reset to date.
Press **Ente**r to reset the partial counter. A confirmation message appears on the display: Select **Reset** to confirm or **Go Back** to undo the operation.

Information → LED HOURS

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

Total counter
It counts the number of fixture's working hours with the LED turned on (from construction to date). Note: This value cannot be reset.

Partial counter
It counts the partial number of LED working hours from the last reset.
Press **Ente**r to reset the partial counter. A confirmation message appears on the display: Select **Reset** to confirm or **Go Back** to undo the operation.

Information → SYSTEM VERSION

It lets you view the firmware version for each electronic board:

- DISP:----------Vx.x
- NET:----------Vx.x
- CTR-LED:----------Vx.x

Information → DMX Monitor

It lets you view the levels of DMX parameters in bits that the fixture is receiving.

Information → FANS Monitor

It lets you view the function's percentage of the fan installed in the fixture:
LED fan cooling → Led Fan: x%

Information → Network parameters

Let you view the Ethernet setting of the fixture:
IP address: Internet Protocol address (two fixtures must not have the same IP address)
IP mask: 255.0.0.0
Mac address: Media Access Control; the fixture's Ethernet Address

Information → UID

It shows the RDM Unique ID (UID), the exclusive address of the fixture to communicate via RDM.

Information → Temperature

It lets you view the temperature of LEDs in the fixture:
RGBW Temp.: x °C

MANUAL CONTROL MENU

Manual Control → Reset

It lets you reset the fixture's parameters from the user menu.

Manual Control → Channel

It lets you control the DMX parameters from the fixture's user menu. For any single parameter can be set the level between 0 and 255 bits.

TEST MENU

Test

It lets you perform a test of the fixture's effects by a pre-saved sequence:

- Color test sequence
- Pixel Color test sequence
- All effects test sequence

ADVANCED MENU

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

Advanced → Color Calibration

It lets you make fine electronic adjustments on the color parameters to get 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 who are 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 coder to 1234.

Advanced → Recover

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