# Tambora Batten
## User menu

## USER MENU GUIDE FOR BOTH VERSION ROUND AND SQUARE

**IMPORTANT NOTES:** Please note all the default setting are highlighted in grey color
Factory Reset: Press "Mode" and "Enter" together for one second.
Convert the display: Press 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.

### 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 | → | 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 |
| | Ethernet Interface | 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 |
| | | Ethernet to DMX | → | No |
| | | | | Yes |

# OPTION

| Main Menu | Level 1 | Level 2 | Level 3 | Choices / *Values* |
|---|---|---|---|---|
| OPTION | Tilt | Invert Tilt | → | On / Off |
| | | Encoder Tilt | → | On / Off |
| | | Tilt Home Def Pos | → | 0 %<br>12.5 %<br>25 %<br>50 %<br>75 %<br>87.5 %<br>100 % |
| | | Tilt Enable | → | On / Off |
| | Display | → | → | On / Off |
| | Fan Mode | → | → | Auto<br>SLN<br>Theatre<br>Constant |
| | Power Mode | → | → | STD Power<br>ECO Power |
| | Reverse Mapping | → | → | On / Off |
| | Zoom Reposition | → | → | On / Off |
| | Special Functions | Dimmer curve | → | Curve 1<br>Curve 2<br>Curve 3<br>Curve 4<br>Curve 5 |
| | | RGB Gamma | → | Gamma 1.0<br>Gamma 1.5<br>Gamma 2.2 |
| | | PWM Frequency | → | 600 Hz<br>1200Hz<br>2000 Hz<br>4000 Hz<br>6000 Hz<br>25000 Hz |
| | Setting | Default Preset | → | Reset To Default<br>Go Back |
| | | User Preset 1 | → | Load preset 1<br>Save to preset 1 |
| | | User Preset 2 | → | Load preset 2<br>Save to preset 2 |
| | | User Preset 3 | → | Load preset 3<br>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. |
| | | CTR1-XY | → | Fw.rev. |
| | | CTR2-MOTOR | → | Fw.rev. |
| | DMX Monitor | Functions | → | *DMX in value (BIT)* |
| | Fans Monitor | LED Fan | → | Percentage % |
| | Network parameters | → | → | IP Address |
| | | → | → | IP Mask |
| | | → | → | MAC Address |
| | UID | → | → | UID: xxxxxxxxxxxx |


# 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 | → | → | → | Tilt |
| | → | → | → | Colour |
| | → | → | → | Zoom |
| | → | → | → | All |

# ADVANCED

| Main Menu | Level 1 | Level 2 | Level 3 | Choices / *Values* | |
|---|---|---|---|---|---|
| Aᴅᴠᴀɴᴄᴇᴅ | Access Code 1234 | Upload Firmware | → | Yes / No | |
| | | Calibration | Tilt Offset | 000 – 255 | |
| | | | Zoom Offset | 000 – 255 | |
| | | Color Calibration | Factory Calibration | Red 1 | 125–255 |
| | | | | Green 1 | 125–255 |
| | | | | Blue 1 | 125–255 |
| | | | | White 1 | 125–255 |
| | | | | Red 2 | 125–255 |
| | | | | Green 2 | 125–255 |
| | | | | . ⋮ | |
| | | | | White 16 | 125–255 |
| | | | Customized Calibration | Red 1 | 125–255 |
| | | | | Green 1 | 125–255 |
| | | | | Blue 1 | 125–255 |
| | | | | White 1 | 125–255 |
| | | | | Red 2 | 125–255 |
| | | | | Green 2 | 125–255 |
| | | | | . ⋮ | |
| | | | | White 16 | 125–255 |
| | | Menu Locking | → | 1234 | |
| | | Recover | → | | |

## 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 three 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 four 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 → Tilt

**INVERT TILT**
It lets you enable (ON) the Tilt reverse movement. Select OFF to turn off or disable this option.

**ENCODER TILT**
It lets you enable (ON) or disable (OFF) the Encoder Tilt functionality.

**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%**

**TILT ENABLE**
Allows you to disable the Tilt movement function (Select OFF). Select ON to enable the tilt functionality.

### Option → Display

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

### 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 → Reverse Mapping

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

### Option → Zoom Reposition

Zoom automatically reposition (ON) when DMX connection unplug. Select (OFF) to disable Zoom reposition functionality.
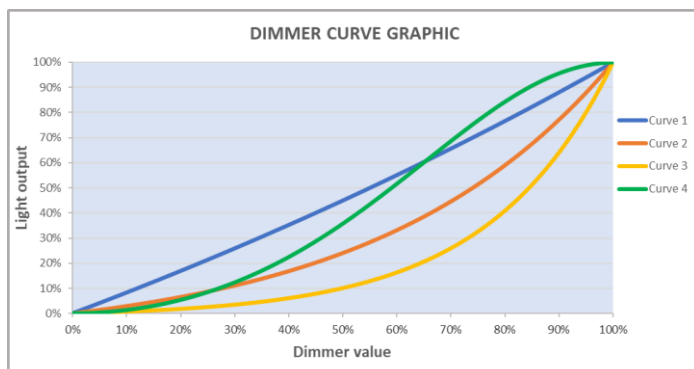
| OPTION MENU |
|:---:|

**Option → SPECIAL FUNCTIONS**

**Dimmer Curve**
It lets you select four different Dimmer curves (see details below):
- **Curve 1**
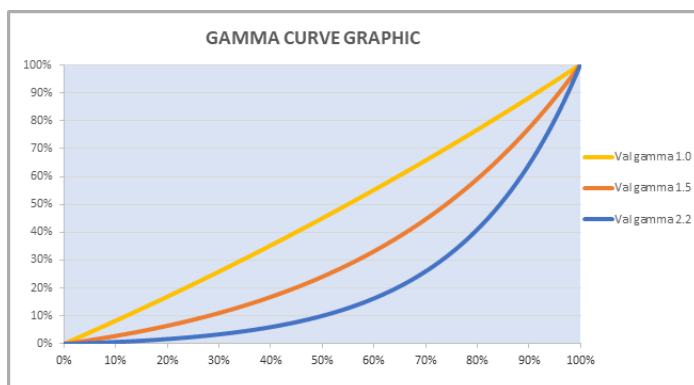- **Curve 2**
- **Curve 3**
- **Curve 4**
- **Curve 5**

**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 fixture's working life 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 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 → SYSTEM VERSION

It lets you view the firmware version for each electronic board:
- DISP:--------------------Vx.x
- NET:---------------------Vx.x
- CTR1-XY:--------------Vx.x
- CTR1-Motor:---------- 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

Lets you view the Ethernet setting of the fixture:
**IP address:** Internet Protocol address (two fixture's 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.

## 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:
- Tilt test sequence
- Colour test sequence
- Zoom 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 to upload the firmware to a maximum 5/6 units per time.

### Advanced → Calibration

It lets you from the control panel to make a fine electronics adjustments on some effects to get a better consistency within a group of fixtures.

### 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 has to 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 the access to the ADVANCED menu to avoid any wrong setting or operation by people there 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 setting 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 detail of the procedure.