**Manuals+** — User Manuals Simplified.

**AUDIBAX Thunder**
**240 RGB Strobo**
**LED Pixel**

# AUDIBAX Thunder 240 RGB Strobo LED Pixel User Manual

**Contents**

**AUDIBAX Thunder 240 RGB Strobo LED Pixel**

**Thunder 240 RGB User's Manual**

**Welcome to Audibax**

Thank you very much for choosing Audibax. We hope you enjoy your new product. It has been developed and designed with attention to detail, adhering to European quality standards and supervised by our professional technicians. We ensure that every Audibax product is built to last, using durable materials and undergoing rigorous quality controls.

Please read this manual carefully to use your Audibax product effectively. Visit our website for more information: **www.audibax.com**

**Safety Instructions**

**General Information**

- Read and follow the instructions carefully.
- Keep all information and instructions in a secure location.
- Always follow the instructions provided.
- Do not remove safety warnings from the equipment.
- Use the equipment only as intended.
- Ensure stability and compatibility of mounts for fixed installations.
- Observe relevant safety regulations in your country.
- Avoid heat sources and ensure proper cooling.
- Keep ventilation slits unobstructed.
- Do not use indoor equipment near water or flammable materials.
- Avoid dripping or splashed water entering the equipment.
- Use only recommended accessories.
- Do not attempt to open or modify the equipment.
- Check cables to prevent accidents or damage.
- Transport with care to prevent damage or injury.
- If damaged, unplug and have it repaired by qualified personnel.
- Clean with a dry cloth.

- Comply with disposal laws and keep plastic bags away from children.

**For Devices Connected to Main Power Supply**

- If equipped with a grounding plug, connect to a grounded outlet.
- Allow equipment to reach room temperature after extreme temperature changes.
- Ensure voltage and frequency match specifications before plugging in.
- Do not step on or pinch the power cord.
- Unplug when not in use or when cleaning.
- Avoid frequent on/off cycles to preserve lifespan.
- Replace fuses with the same type and rating.
- Unplug during extended disuse or lightning risk.
- Install only when disconnected from power.
- Regular cleaning and servicing by qualified personnel is recommended.

**CAUTION:** Risk of electric shock. Disconnect all power sources before servicing.

**Important Information**

**WARNING!** This product is designed for event technology use and is not intended for household lighting. Avoid looking directly at the light beam. Do not use optical instruments to view the beam. Strobe effects may cause seizures in sensitive individuals.

**Package Content**

- 1 x Thunder 240 RGB
- 1 x User's manual

**Specifications**

| Type | Led Strobe |
|---|---|
| DMX Control | DMX 512 |
| Manual Control | Rear Panel |
| Light Source | 960*0.5W LED SMD 5050 |
| Channel DMX | 4/6/12/144/156CH |
| Strobe Type | 1-30 Fps |
| Dimming | 32 Bit 0-100% |
| Palet Color Mix | RGB |
| Effects | Pixelable in 48+8 Sectors |
| IP Protection | IP 20 |
| AC Connector Type | PowerCon – Schuko |
| DMX Connector | DMX 3 Pin |
| Power Supply | 150W |
| Weight | 2.9KG |
| Dimensions | 440x75x210 mm |
| Construction | Metal |

**Key Operation and Display Instructions**

**Key Description**

- MENU: Function key
- UP: Key
- DOWN: Key
- ENTER: Confirm key

**Digital Display Menu Description**

| Number | Content | Value | Function Declaration |
| --- | --- | --- | --- |
| 1 | A001 | 001-512 | DMX address setting |
| 2 | 12H | 4/6/12/144/154 | Working channels mode |
| 3 | R255 | 000-255 | W1 dimming, from dark to bright |
| 4 | G255 | 000-255 | W2 dimming, from dark to bright |
| 5 | B255 | 000-255 | W3 dimming, from dark to bright |
| 6 | W255 | 000-255 | CW dimming, from dark to bright |
| 7 | F000 | 005-255 | Central strobe, from slow to fast |
| 8 | AU01 | 01-08 | UP to switch the effect. Press ENTER to set the speed SP01-SP15 |
| 9 | EF01 | 00-88 | UP to switch the effect. Press ENTER to set the speed SP01-SP15 |
| 10 | UF01 | 00-42 | UP to switch the effect. Press ENTER to set the speed SP01-SP15 |
| 11 | SU01 | 01-06 | Sound mode. Press ENTER to set the sensitivity SE01-SE15 |

**Disposal**

**Packaging**

- The packaging can be recycled using standard disposal methods and reintroduced into the reusable material cycle.
- Follow the laws and regulations regarding disposal and recycling of packaging in your country.

**Device**

- This device is subject to the Waste Electrical and Electronic Equipment (WEEE) Directive of the European Union. Used appliances should not be disposed of with household waste. Dispose of through an approved disposal company or municipal facility.
- Follow all disposal laws and regulations in your country.
- Obtain information on environmentally-friendly disposal options from the product seller or regional authorities.

**FAQ**

- **What is the Thunder 240 RGB designed for?**
  It is specifically designed for use in event technology and not intended for household lighting.
- **How should I handle the power cord?**
  Ensure it is not pinched, and unplug by pulling the plug, not the cord. Do not touch with wet hands.
- **What should I do if the equipment is not functioning properly?**
  Switch it off immediately and unplug it. Only authorized, qualified personnel should repair it.
- **Can I look directly at the light beam?**
  No, avoid looking directly at the light beam, even for a short period.
- **How do I dispose of the device?**

Dispose of it through an approved disposal company or municipal facility, following local regulations.

**USER'S MANUAL**

**THUNDER 240 RGB**
Strobe LED 48+8
Led estroboscópica 48+8
**www.audibax.com**

**WELCOME TO AUDIBAX**
Thank you very much for choosing Audibax. We hope you enjoy your new product.
It has been developed and designed paying attention to the smallest details, with quality control with European standards supervised by our great team of professional technicians, who work every day to offer our customers the best quality.
We make sure that every Audibax product is built to last long. All our references are made with long lasting materials and our specialists are dedicated to constantly doing quality controls to guarantee the best result.
Please read carefully this manual in order to use your Audibax product in the best way. Do not hesitate to visit our website for further information: **www.audibax.com**

## SAFETY INSTRUCTIONS
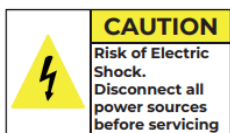
### GENERAL INFORMATION

- It is important to read and follow the instructions carefully.
- Keep all information and instructions in a secure location.
- Always follow the instructions provided.
- Take note of all safety warnings and never remove them from the equipment.
- Use the equipment only as intended and for its intended purpose.
- Ensure that the stands and/or mounts used are sufficiently stable and compatible for fixed installations. Wall mounts should be properly installed and secured, and the equipment should be installed securely to prevent falls.
- When installing the equipment, be sure to observe the relevant safety regulations in your country.
- Do not install or operate the equipment near sources of heat, such as radiators, heat registers, or ovens, and ensure that it is always cooled sufficiently and cannot overheat.
- Do not place sources of ignition, such as burning candles, on the equipment.
- Keep ventilation slits unobstructed.
- For equipment designed for indoor use only should not be used near water, flammable materials, fluids, or gases. Special outdoor equipment should be used in accordance with the manufacturer's instructions.
- Ensure that no dripping or splashed water can enter the equipment and do not place containers filled with liquids on the equipment.
- Prevent objects from falling into the equipment.
- Use the equipment only with recommended accessories intended by the manufacturer.
- Do not attempt to open or modify the equipment.
- Check all cables after connecting the equipment to prevent accidents or damage due to tripping hazards.
- During transport, take steps to prevent the equipment from falling and causing damage or injury.
- If the equipment is not functioning properly, fluids or objects have gotten inside, or is otherwise damaged, switch it off immediately and unplug it from the power outlet (if applicable). Only authorized, qualified personnel should repair the equipment.

- Clean the equipment with a dry cloth.
- Comply with all applicable disposal laws and separate plastic and paper/cardboard during packaging disposal.
- Keep plastic bags out of the reach of children.

**FOR DEVICES DESIGNED TO BE CONNECTED TO THE MAIN POWER SUPPLY:**

- ATTENTION: If your equipment has a power cord with a grounding plug, it must be connected to a wall outlet with a ground connection. Never remove the grounding plug from the power cord.
- If your equipment has been exposed to extreme temperature changes, allow it to reach room temperature before turning it on. Otherwise, moisture and condensation may damage the equipment.
- Before plugging in the equipment, make sure that the voltage and frequency of the power outlet match the specifications of the equipment. If the equipment has a voltage selector, only connect it to the power outlet if the values match. If the power cord or adapter does not fit your outlet, contact an electrician.
- Do not step on the power cord. Make sure it is not pinched at the outlet, adapter, or equipment connection.
- Keep the power cord or adapter within reach and disconnect the equipment from the power supply when not in use or when cleaning it. Always unplug the cord or adapter by pulling the plug or adapter, not the cord. Never touch the cord or adapter with wet hands.
- Avoid frequently turning the equipment on and off, as this can reduce its useful life.
- IMPORTANT: Only replace fuses with those of the same type and rating. If a fuse repeatedly blows, contact an authorized service center.
- To completely disconnect the equipment from the power mains, unplug the power cord or adapter from the outlet.
- If your device has a Volex power connector, the mating Volex connector must be unlocked before it can be removed. Be careful when laying cables, as the equipment can slide or fall if the power cord is pulled.
- Unplug the power cord or adapter before an extended period of disuse or in case of lightning strike risk.
- Only install the equipment when it is disconnected from the power source.
- To prevent damage and overheating, qualified personnel should regularly clean and service the equipment depending on ambient conditions like dust, nicotine, and fog.

If the product contains the following symbols, please, read carefully:

 **CAUTION:** To reduce the risk of electric shock, do not remove cover (or back). There are no user serviceable parts inside. Maintenance and repairs should be exclusively carried out by qualified service personnel.

 The warning triangle with lightning symbol indicates dangerous uninsulated voltage inside the unit, which may cause an electrical shock.

 The warning triangle with exclamation mark indicates important operating and maintenance instructions.

## IMPORTANT INFORMATION

**WARNING!** IMPORTANT INFORMATION REGARDING LIGHTING PRODUCTS

1. This product is specifically designed for use in event technology and is not intended to be used as household lighting.
2. It is important to avoid looking directly at the light beam, even for a short period of time.
3. Optical instruments, such as magnifiers, should not be used to look directly at the beam.
4. If you are sensitive to strobe effects, it is possible that they could cause an epileptic seizure. If you have epilepsy, it is important to avoid places where strobe lights are being used.

## PACKAGE CONTENT

- 1 x Thunder 240 RGB
- 1 x User's manual

## SPECIFICATIONS

- Type: Led Strobe
- DMX Control: DMX 512
- Manual Control: Rear Pannel
- Light Source: 960*0.5W LED SMD 5050
- Channel DMX: 4/6/12/144/156CH
- Strobe Type: 1-30 Fps
- Dimming: 32 Bit 0-100%
- Palet Color Mix: RGB
- Effects: Pixelable in 48+8 Sectors
- IP Protection: IP 20
- AC Connector Type: PowerCon -Schuko
- DMX Connector: DMX 3 Pin
- Power Supply: 150W
- Weight: 2.9KG
- Dimensions: 440x75x210 mm
- Construction: Metal

## KEY OPERATION AND DISPLAY INSTRUCTIONS

1. Key description.

MENU: function key
UP: Key
DOWN: key
ENTER: Confirm key

2. Digital display menu description.

| Numb er | Content | Value | Function declaration | | | |
|---|---|---|---|---|---|---|
| 1 | A001 | 001-512 | DMX address setting | | | |
| 2 | 12H | 4/6/12/144/1 54 | Working channels mode | | | |
| 3 | R255 | 000 – 255 | W1 dimming, from dark to bright | | | |
| 4 | G255 | 000 – 255 | W2 dimming, from dark to bright | | | |
| 5 | B255 | 000 – 255 | W3 dimming, from dark to bright | | | |
| 6 | W255 | 000 – 255 | CW dimming, from dark to bright | | | |
| 7 | F000 | 005 – 255 | Central strobe, from slow to fast | | | |
| 8 | AU01 | 01 – 08 | UP to effe ct | switch | the | Press ENTER to set the spe ed SP01-SP15 |
| 9 | EF01 | 00 – 88 | UP to effe ct | switch | the | Press ENTER to set the spe ed SP01-SP15 |
| 10 | UF01 | 00 – 42 | UP to effe ct | switch | the | Press ENTER to set the spe ed SP01-SP15 |
| 11 | SU01 | 01 – 06 | Sound mode | | | Press ENTER to set the sensitivity SE01-SE15 |

**DISPOSAL**

**Packaging**

1. The packaging can be recycled using standard disposal methods and reintroduced into the reusable material cycle.
2. Please follow the laws and regulations regarding disposal and recycling of packaging in your country.

**Device**

1. This device is subject to the Waste Electrical and Electronic Equipment (WEEE) Directive of the European Union. Used appliances should not be disposed of with household waste. Used device must be disposed of through an approved disposal company or a municipal disposal facility. Please comply with the applicable regulations in your country.
2. Please follow all the disposal laws and regulations in your country.
3. As a customer, you can obtain information on environmentally-friendly disposal options from the product seller or the appropriate regional authorities.



**DMX (English)**
12 Channel (Basic Function)

| Channel | Value | Function declaration |
|---------|-------|---------------------|
| CH 1 | 000-255 | Total dimming, from dark to bright |
| CH 2 | 005-255 | W strobe, from slow to fast |
| | 000-005 | Perform the CH9-CH11, W dimming |
| | 006-010 | Static dimming, CH4 Select brightness |
| | 011-015 | Breathing effect, CH5 Select brightness |
| | | |

| | | |
|---|---|---|
| CH 3 | 016-020 | Jump change effect |
| | 021-025 | Gradient change effect |
| | 026-030 | Pulse change effect, CH5 Select brightness |
| | 031-032 | Autorun effect-1, CH5 Select brightness (cycle autorun) |
| | 033-034 | Autorun effect-2, CH5 Select brightness |
| | … | … |
| | … | … |
| | 203-204 | Autorun effect-87, CH5 Select brightness |
| | 205-229 | Autorun effect-88 |
| | 230-233 | Sound mode 1, CH5 Select brightness |
| | 234-237 | Sound mode 2, CH5 Select brightness |
| | … | … |
| | 246-249 | Sound mode 5, CH5 Select brightness |
| | 250-255 | Sound mode 6, CH5 Select brightness |
| CH 4 | 000-255 | Autorun effect: adjustment speed, from slow to fast. Sound mode: adjustment sensitivity, from low to high (The highest sensitivity is the sensitivity set by the menu). |
| | 000-031 | Default brightness |
| | 032-063 | W1, CH3 Manual brightness selection |
| | | |

| | | |
|---|---|---|
| | 064-095 | W2, CH3 Manual brightness selection |
| | 096-127 | W3, CH3 Manual brightness selection |
| CH 5 | 128-159 | W1+2, CH3 Manual brightness selection |
| | 160-191 | W1+3, CH3 Manual brightness selection |
| | 192-223 | W2+3, CH3 Manual brightness selection |
| | 224-255 | W1+2+3, CH3 Manual brightness selection |
| CH 6 | 005-255 | CW strobe, from slow to fast |
| | 000-005 | Perform the CH12, W dimming |
| | 006-010 | CW effect-1 (cycle effect) |
| | 011-015 | CW effect-2 (CW static effect) |
| CH7 | … | … |
| | … | … |
| | 206-210 | CW effect-41 |
| | 211-255 | CW effect-42 |
| CH 8 | 000-255 | CW effect adjustment speed, from slow to fast |
| CH 9 | 000-255 | W1 dimming, from dark to bright |
| CH 10 | 000-255 | W2 dimming, from dark to bright |
| CH 11 | 000-255 | W3 dimming, from dark to bright |

| Channel | Value | Function declaration |
|---------|-------|---------------------|
| CH 12 | 000-255 | CW dimming, from dark to bright |

## 4 Channel (whole lamp)

| Channel | Value | Function declaration |
|---------|-------|---------------------|
| CH 1 | 000-255 | W1 dimming, from dark to bright |
| CH 2 | 000-255 | W2 dimming, from dark to bright |
| CH 3 | 000-255 | W3 dimming, from dark to bright |
| CH 4 | 000-255 | CW dimming, from dark to bright |

## 6 Channel (whole lamp)

| Channel | Value | Function declaration |
|---------|-------|---------------------|
| CH 1 | 000-255 | Total dimming, from dark to bright |
| CH 2 | 000-255 | Total strobe, from slow to fast |
| CH 3 | 000-255 | W1 dimming, from dark to bright |
| CH 4 | 000-255 | W2 dimming, from dark to bright |
| CH 5 | 000-255 | W3 dimming, from dark to bright |
| CH 6 | 000-255 | CW dimming, from dark to bright |

## 144 Channel (point control)

| Channel | Value | Function declaration |
|---------|-------|---------------------|
| CH 1 | 000-255 | W1-1 dimming, from dark to bright |
| CH 2 | 000-255 | W2-1 dimming, from dark to bright |
| CH 3 | 000-255 | W3-1 dimming, from dark to bright |
| … | … | … |
| … | … | … |
| CH 142 | 000-255 | W1-48 dimming, from dark to bright |
| CH 143 | 000-255 | W2-48 dimming, from dark to bright |
| CH 144 | 000-255 | W3-48 dimming, from dark to bright |

## 154 Channel (point control)

| Channel | Value | Function declaration |
|---|---|---|
| CH 1 | 000-255 | Total dimming, from dark to bright |
| CH 2 | 000-255 | Total strobe, from slow to fast |
| CH 3 | 000-255 | W1-1 dimming, from dark to bright |
| CH 4 | 000-255 | W2-1 dimming, from dark to bright |
| CH 5 | 000-255 | W3-1 dimming, from dark to bright |
| … | … | … |
| … | … | … |
| CH 144 | 000-255 | W1-48 dimming, from dark to bright |
| CH 145 | 000-255 | W2-48 dimming, from dark to bright |
| CH 146 | 000-255 | W3-48 dimming, from dark to bright |
| CH 147 | 000-255 | CW1 dimming, from dark to bright |
| … | … | … |
| CH 154 | 000-255 | CW8 dimming, from dark to bright |

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## Documents / Resources



**AUDIBAX Thunder 240 RGB Strobo LED Pixel** [pdf] User Manual
Thunder 240, Thunder 240 RGB Strobo LED Pixel, RGB Strobo LED Pixel, Strobo LED Pixel, LED Pixel, Pixel

## References

- **User Manual**