

FirstlyMusic

User Manual

FirstlyMusic Light-Up Pickguards

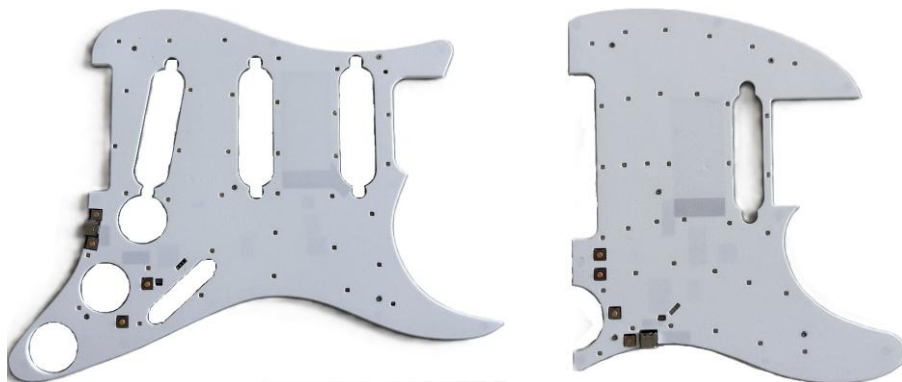


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IMPORTANT

Read this manual before use. Keep this document.

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0. Contents

This document describes the product specifications at the time of writing. For the latest information, visit the FirstlyMusic website (see the QR code on the cover).

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1. Important Information Before Use

- Before using this device, carefully read the safety instructions, important information and operating instructions.
- After reading, keep this document in an easily accessible place.
- This light-up pickguard is a decorative lighting accessory intended for use with a compatible guitar.
- This product is not a toy. Keep it out of the reach of children.
- This product contains an integrated rechargeable battery that is not user-replaceable.
- The device is intended for indoor use only. Do not expose it to water, rain, liquid splashes or condensation.
- Stop using the product immediately if you notice an unusual smell, leakage, abnormal noise, excessive heat, visible damage or abnormal behaviour.
- Never use the product near an open flame or a significant heat source, or inside a closed vehicle exposed to sunlight.
- The pickguard is designed for normal use with a musical instrument. Its cover is 3D-printed in PETG. Excessive heat, excessive mechanical stress, impacts, scratches or certain chemicals may damage it. Do not sand, drill, cut, bend, heat or modify the product. Do not apply glue, paint, varnish or chemicals. Avoid rubbing it against hard or abrasive objects that could damage its surface.
- Any return for possible repair requires prior shipping authorisation from FirstlyMusic.
- When disposing of the product, its cardboard packaging or any other packaging material, comply with the waste-disposal regulations applicable in your area.
- FirstlyMusic, the FirstlyMusic logo, BackAltrack, the BackAltrack logo and OVRPICK are registered trademarks.
- Certain products, concepts, technical developments, texts, visuals, logos, diagrams, documents and content presented on the FirstlyMusic website are protected by intellectual and/or industrial property rights. Any unauthorised reproduction, representation, modification, exploitation or use of these elements, in whole or in part, is prohibited without prior written permission.

2. Safety Instructions

Indoor Use Only

This product is intended for indoor use.

Do not expose it to water, rain, liquid splashes or condensation.

Integrated Rechargeable LiPo Battery

Do not open, disassemble, drill, crush, short-circuit, dispose of in fire, modify or attempt to repair the pickguard. The battery is not user-replaceable.

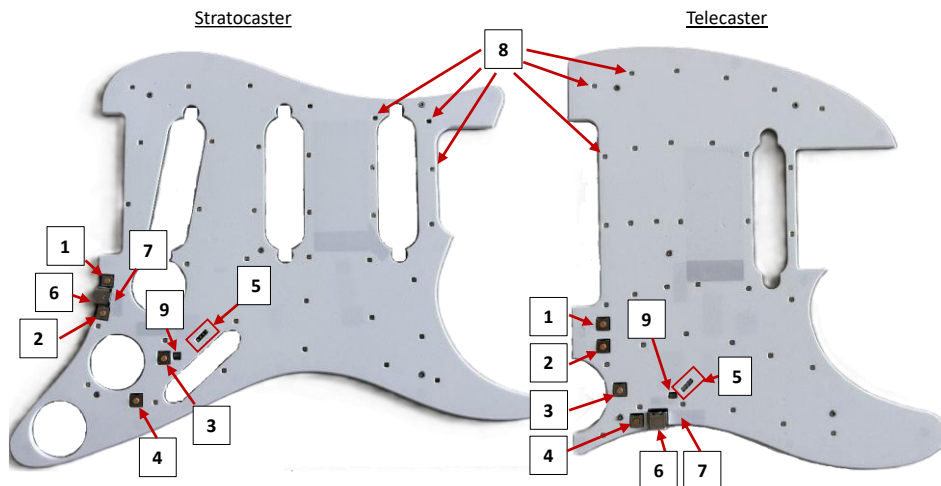
- Immediately stop using and charging the product if you notice swelling, an unusual smell, leakage, abnormal noise, excessive heat, visible damage or abnormal behaviour.
- Never use the product near an open flame or a significant heat source, or inside a closed vehicle exposed to sunlight.
- Do not use the product if the USB-C port or any other component or part appears damaged.
- Do not charge the product in a humid environment, near liquids, in direct sunlight or near a heat source.
- Do not cover the product while it is charging.
- If the light-up pickguard will not be used for an extended period, store it in a dry, temperate place away from direct sunlight and heat sources. Do not store the product with a fully discharged battery.
- **Check the battery level at least every 3 months and recharge if necessary. Do not store the product for more than 6 months without checking or recharging it.**
- This product generates lighting effects that may be rapid or flashing. Stop using it if you experience visual discomfort, dizziness, nausea, headaches or any unusual sensation.
- People with a history of photosensitive epilepsy should seek medical advice before use.

Opening, Modification and Warranty

Any opening, disassembly, modification, attempted repair, mechanical alteration or unauthorised intervention voids the applicable statutory warranty when the defect results from that intervention.

3. Product Overview and Controls

Controls common to light-up pickguards for Stratocaster-style and Telecaster-style guitars.



Reference	Item
[1]	Push button no. 1
[2]	Push button no. 2
[3]	Push button no. 3
[4]	Push button no. 4
[5]	Current mode display (4 red LEDs)
[6]	Port USB-C
[7]	Charging indicator LED (located beneath the cover)
[8]	36 multicolour LEDs
[9]	Microphone

4. Controls and Operation

Mode Selection

[1] and [2] - Brief press: select the lighting mode. [1] advances; [2] goes back. Four red LEDs [5] identify the current mode using a binary code.

Movement Mode

[1] - Hold for more than 1 second, then release: an "M" appears on the left. Supported lighting effects then react to movement of the instrument.

Hold [1] and briefly press [3] to adjust Movement Mode sensitivity. One to four horizontal bars indicate low to high.

Sound Mode

[2] - Hold for more than 1 second, then release: an "S" appears on the left. Supported lighting effects then react to the ambient sound level.

Hold [2] and briefly press [3] to adjust Sound Mode sensitivity. One to four horizontal bars indicate low to high.

Brightness

[3] - Brief press: set LED brightness for all lighting effects, with six levels from low to high.

Warning: brightness directly affects the pickguard's battery life.

Depending on the mode, battery life ranges from several hours at low brightness to a few tens of minutes at maximum brightness. Direct sunlight or an excessively powerful spotlight on the guitar reduces the apparent brightness and contrast of the effects.

About possible interference: slight interference may depend on the guitar, pickups, pickup EMC protection, cavity shielding, amplifier and effects settings, lighting mode, LED brightness and Sound Mode sensitivity. It is generally very low with clean sounds, but can be more noticeable with high-volume crunch or high-gain settings. If this occurs, reduce Sound sensitivity and/or brightness, choose another effect, move away from loudspeakers or use Movement Mode.

Battery Level Display

With the USB-C cable disconnected, press and hold button [3] for more than one second to display the battery level on the 36-LED matrix.

Displayed Status	Interpretation
6 green lines	Battery charged (estimate: 75% to 100%)
4 yellow lines	Intermediate level (estimate: 50% to 74%)
3 orange lines	Low to intermediate level (estimate: 35% to 49%)
2 red lines	Low level (estimate: 10% to 34%): recharge recommended
1 red line	Low level (estimate: 0% to 9%): recharge recommended

Sub-Modes and Deep Sleep

[4] - Brief press: some lighting modes offer variations or sub-modes, such as colour selection (see section 5).

[4] - Press and hold for more than 3 seconds, then release: the light-up pickguard enters deep sleep, equivalent to switching it off.

When the board is in deep sleep, briefly press any button [1], [2], [3] or [4] to wake the light-up pickguard.

WARNING: Never hold all four buttons [1], [2], [3] and [4] simultaneously for more than three seconds unless expressly instructed by FirstlyMusic.

This combination activates firmware update mode. The pickguard will then remain unusable until the update has been completed.

No routine firmware update is required. If this mode is activated accidentally, contact FirstlyMusic.



5. Lighting Modes

The current mode is displayed by the four red LEDs [5] using a simple binary code. From left to right, the LED values are 1, 2, 4 and 8.

Visual Indicator	Mode	Description
○ ○ ○ ○	1 - Random Short	Cycles through modes 2 to 14, changing approximately every 2.5 seconds. The visual indicator follows the current mode sequence.
○ ● ○ ○	2 - MicAccelNone	The colours of the 36 LEDs change in response to the sound level or movement of the instrument.
● ● ○ ○	3 - Blinking	Brightness rises and falls at a speed controlled by the microphone or accelerometer.
○ ○ ● ○	4 - FullColor	Colour changes at a speed controlled by the microphone or accelerometer.
● ● ● ○	5 - HueWave	RGB wave with several directions depending on the selected sub-mode; speed is controlled by the microphone or accelerometer. Sub-modes: horizontal, 45°, horizontal/45° mix.
○ ● ● ○	6 - RandomStar	Individual flashes across the 36 LEDs with random colour changes. Sub-modes: fully random RGB; solid colour with random brightness.
● ● ● ○	7 - ColumnScan	Illuminated column moving from left to right with continuous colour changes.
○ ○ ○ ●	8 - Rotate	Illuminated axis rotating from the centre of the pickguard.
● ○ ○ ●	9 - HueBurst	Concentric colour gradient across the 36 LEDs with changing colours. Sub-modes: circular colour gradient; square gradient; circle with one red, then green, then blue ring.
○ ● ○ ●	10 - ScrollingArrow	Illuminated chevron moving from left to right. Sub-modes: red, blue, purple, cyan, white, pale yellow.
● ● ○ ●	11 - SmoothWave	Illuminated lines appear from top to bottom and then fade away.
○ ○ ● ●	12 - SpaceStar	Journey through the stars with continuous colour changes. Sub-modes: random RGB, solid red, solid green, solid blue, purple.
● ○ ● ●	13 - Rain	Coloured raindrops falling from top to bottom. Sub-modes: random RGB, solid green, solid blue, purple/pink, warm yellow/green/red, cool blue/green.
○ ● ● ●	14 - BarGraph	Illuminated bars rise from the bottom in response to the sound level or movement of the instrument.
○ ○ ○ ○	15 - Random Long	Cycles through modes 2 to 14, changing approximately every 10 seconds. The visual indicator follows the current mode sequence.

6. Charging, Battery Life and Storage

Charging the Battery

The light-up pickguard is charged through its USB-C port.

No USB-C cable or mains charger is supplied with the product. This policy limits the production of accessories already widely available in households and thereby reduces unnecessary electronic waste.

Use only an undamaged USB-C cable and a compliant USB power supply.

During charging, the charging LED [7], located beneath the cover, is lit. The LED switches off when the battery is fully charged.

Charging time depends on the battery's initial charge level, the cable used and the type of USB power supply. A fully discharged battery generally takes approximately 50 minutes to charge completely.

Do not charge the product in a humid environment, near liquids, in direct sunlight or near a heat source.

Do not cover the product while it is charging.

Use While Charging

Do not use the pickguard while it is charging. Disconnect the USB-C cable before placing the pickguard on the guitar or playing the instrument.

Long-Term Storage

If the light-up pickguard will not be used for an extended period, store it in a dry, temperate place away from direct sunlight and heat sources. Do not store the product with a fully discharged battery.

Check the battery level at least every 3 months and recharge if necessary.

Do not store the product for more than 6 months without checking or recharging it.

7. Deep Sleep and Waking the Pickguard

Entering Deep Sleep

As described in section 4, press and hold button [4] for more than 3 seconds, then release it, to place the light-up pickguard in deep sleep, equivalent to switching it off.

Waking the Pickguard

When the board is in deep sleep, briefly press any button [1], [2], [3] or [4] to wake the light-up pickguard. Please note:

- If Random Short (1) or Random Long (15) was selected, the pickguard wakes in the last active mode at the time deep sleep was entered, i.e. one of modes (2) to (14).
- If the pickguard is woken using button [1], [2] or [3]:
 - Button [1] wakes the pickguard AND selects the next lighting mode;
 - Button [2] wakes the pickguard AND selects the previous lighting mode;
 - Button [3] wakes the pickguard AND changes the LED brightness level;

To keep the settings unchanged when waking the pickguard, use button [4].

Tips:

- To start the light-up pickguard in Random Short (1) when it wakes, select mode (2) before entering deep sleep, then use only button [2] to wake it.
- To start the light-up pickguard in Random Long (15) when it wakes, select mode (14) before entering deep sleep, then use only button [1] to wake it.

8. Cleaning and Maintenance

Cleaning

Switch off the pickguard and disconnect any USB-C cable before cleaning.

Use only a soft, dry, clean cloth.

Never clean the pickguard with water, alcohol, solvents, acetone or abrasive products.

Cover

The pickguard cover is designed for normal use with a musical instrument. Excessive heat, mechanical stress, impacts, deep scratches or certain chemicals may damage it.

- Do not expose the pickguard to prolonged direct sunlight, a heat source, radiator, flame, powerful spotlight positioned too close, or the inside of a closed vehicle exposed to sunlight.
- Do not sand, drill, cut, bend, heat or modify the cover.
- Do not apply glue, paint, varnish or chemicals to the cover.
- Avoid rubbing the cover against hard or abrasive objects that could damage its surface.

9. End of Life, Recycling and Warranty

Disposal and Recycling

Do not dispose of this product with household waste.

The pickguard mainly contains an electronic circuit board and its components, an integrated rechargeable battery and, depending on the model, magnets.

Do not attempt to disassemble the product.

At the end of its service life, take the complete product to a collection point suitable for electrical and electronic equipment and devices containing an integrated battery. Comply with applicable local regulations.

Warranty and Support

The product is covered by the applicable statutory warranties.

Any opening, disassembly, modification, attempted repair, mechanical alteration or unauthorised intervention voids the applicable statutory warranty when the defect results from that intervention.

Any return for possible repair requires prior shipping authorisation from FirstlyMusic.

For any question about the product, its use, recycling or abnormal behaviour, refer to the FirstlyMusic website.

Online Translation

The QR code printed on the cover opens the FirstlyMusic website, which can be translated automatically into other languages according to the features available on the site.

10. Quick Troubleshooting and Main Specifications

Observed Problem	Recommended Check
The pickguard does not switch on	Charge the battery. Exit deep sleep by briefly pressing any button.
LED [7] does not light while charging	The pickguard may already be fully charged. Check the USB-C cable, USB power supply and that there is no visible damage.
The pickguard appears frozen	Press and hold button [4] for more than 3 seconds.
Short battery life	Reduce the brightness. Fully recharge the battery. Ensure that the product has not been stored discharged for too long.
Weak response to sound	Increase Sound Mode sensitivity by holding [2] and briefly pressing [3]. Check that nothing is obstructing microphone [9] (dirt, sticker, etc.).
Weak response to movement	Increase Movement Mode sensitivity by holding [1] and briefly pressing [3].
Abnormal behaviour	Stop using the product and refer to the FirstlyMusic website.

Main Specifications

Item	Information
Use	Indoor only
Power supply	250 mAh rechargeable LiPo battery with integrated PCM protection circuit, not user-replaceable
Charging	USB-C; cable and charger not supplied
Charging indication	LED [7] on while charging and off when charging is complete
Charging temperature	0°C minimum to 45°C maximum
Long-Term Storage	Dry, temperate place; check/recharge at least every 3 months
Materials	PETG cover, electronic circuit board, electronic components, integrated rechargeable battery, steel micro-screws and, depending on the model, magnets. This product is designed and manufactured in accordance with applicable RoHS and REACH requirements.