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PaintAudio MIDI Captain DUO Controller

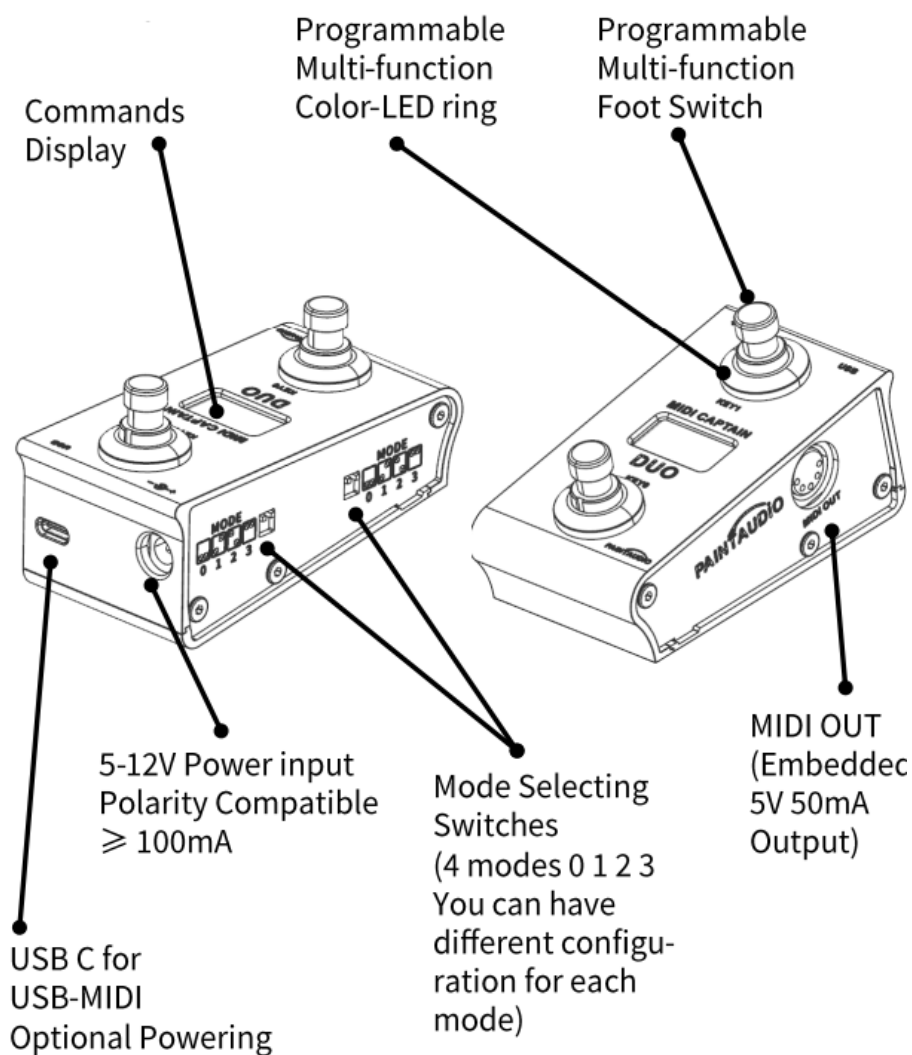# PaintAudio MIDI Captain DUO Controller User Manual
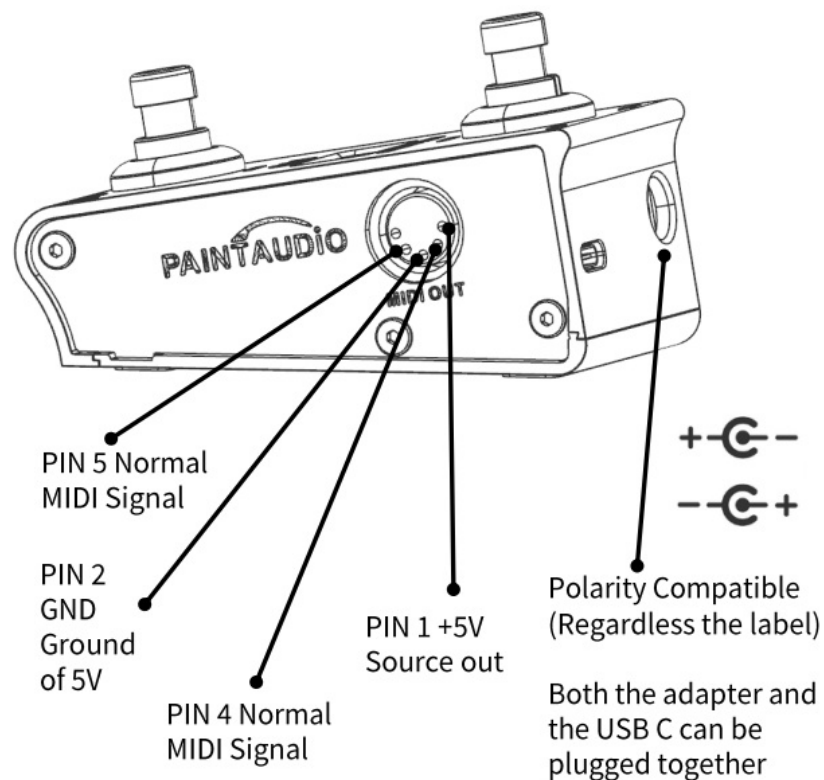
Contents

PaintAudio MIDI Captain DUO Controller

The manual is subject to updates without prior notification. The content may not match the latest firmware.

Interfaces

Commands Display

Programmable Multi-function Color-LED ring

Programmable Multi-function Foot Switch

5-12V Power input Polarity Compatible ⩾ 100mA

Mode Selecting Switches (4 modes 0 1 2 3 You can have different configuration for each mode)

MIDI OUT (Embedded 5V 50mA Output)

USB C for USB-MIDI Optional Powering

Special Reminder

PIN 5 Normal MIDI Signal

PIN 2 GND Ground of 5V

PIN 4 Normal MIDI Signal

PIN 1 +5V Source out

Polarity Compatible (Regardless the label)

Both the adapter and the USB C can be plugged together

The 5V special power output on PIN 1 may conflict with custom power outputs from other devices. To avoid this issue, you can use a MIDI cable with only PIN 4 and 5 connected (our cables are designed this way)

Firmware & Function Brief

The device is equipped with the latest MIDI Captain series firmware program, known as Super Mode. Pressing and holding the key foot switch (for MIDI Captain ONE, there is only a one-foot switch, key0) while inserting the power or turning on the device allows you to enter USB mode to customize the functions of all foot switches.

We have developed a simple language for configuring. Super Mode supports four key states: press, short release, long press, and long release, each executing different sets of commands, which can be a single command or multiple commands. The program even has no limit on the number of commands for each action, something that Normal mode and Geek mode in the previous MIDI Captain firmware couldn't achieve. We have also created a function where a single-foot switch can be triggered multiple times in a loop.

By configuring the "key times" parameter, we can make a foot switch do different things when pressed multiple times. For example, with key times = 2, we can make the foot switch perform common CC toggle commands or switch between two PC commands. If key times = 5, we can create a sequence of 5 different command sets that are triggered sequentially. The maximum value for key times is 9. In summary, through the combination configuration of the four key states of the foot switch and multiple trigger events, we can enable the MIDI foot controller to achieve unprecedented and rich functional combinations.

Configuration Language Brief

keytimes = [x] where x refers to the number of different actions when the key is pressed multiple times. ledmode = [select] or it can also be normal or tap. This setting is used to indicate the LED display for the foot switch. In select mode, only the LED corresponding to the currently selected switch is lit at any given time. Normal means displaying the set colour normally, and tap is a blinking action.

ledcolorX = [0xff0000][0x00ff00][0x0000ff], where X is the number of times the key is pressed, and it represents the colour of the LED lights when the key is pressed for the Xth time. Each set of three LEDs on the ring can be independently configured. short_dwX, short_upX, longX, and long_upX correspond to the four action states: Xth short press, short release after Xth press, long press, and release after a long press, respectively. short_up1 = [1] [PC][3]l-] [16][CC][127][0] [4][NT][60][127]

The commands after the equal sign represent a set of commands. Every four parameters from one command and multiple commands can be consecutive. The first parameter is the MIDI channel value, the second parameter is the MIDI command type (which can be PC, CC, or NT – note), and the third and fourth parameters are the corresponding command ID and value.

Get Support from Us

This manual provides an introduction to the basic functions only. Please follow these online resources for continuous updates or to communicate with the development team: Official website **www.paintaudio.com** Find the product description page and the FAQ section at the bottom. We will also upload firmware updates to the product page promptly.

Wilson's YouTube page: **https://www.youtube.com** Here, the latest video introductions, product reviews, and other related content will be uploaded first. Our email contacts: are **support@paintaudio.com** **contact@paintaudio.com**, and **wilson-zuo@paintaudio.com** If you have purchased through Amazon, you can also contact us through the Amazon backend messaging system. Thank you!

Warranty

This product comes with free maintenance service for 12 months from the date of purchase, excluding the following situations: force majeure damage, man-made damage, unauthorized dismay-tiling and repair, and other circumstances stipulated by-laws and regulations.

Documents / Resources

PaintAudio MIDI Captain DUO Controller [pdf] User Manual
MIDI Captain DUO Controller, MIDI, Captain DUO Controller, DUO Controller

References

- 🌈 **PaintAudio**
- **User Manual**