

PAINTAUDIO MIDI Captain

PAINTAUDIO MIDI Captain Foot Controller User Manual

Model: MIDI Captain

1. INTRODUCTION

Welcome to the user manual for the PAINTAUDIO MIDI Captain Foot Controller. This device is designed to provide musicians with advanced control over their MIDI-compatible equipment, including desktop/rack effects, pedals, keyboards, and synthesizers. Featuring 10 customizable foot switches and a unique Time Engine function, the MIDI Captain enhances your performance and simplifies complex actions. Please read this manual thoroughly to understand the full capabilities and proper operation of your new device.



Image 1.1: The PAINTAUDIO MIDI Captain Foot Controller and its accompanying expression pedal.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Original Time Engine Function:** Automates complex key actions for streamlined performance.

- **10 Fully Customizable Foot Switches:** Supports PC/CC/Note MIDI messages with separate push and release functions.
- **Powerful Compatibility:** Works with a wide range of MIDI gear and software, including JamUP, Bias, AxFx, KMPA, PC3.
- **Dual Outputs:** Expression pedal features tip/ring type compatibility for broad host effects gear support.
- **USB Deep Setup Mode:** Allows extensive customization of 10 presets.
- **Compact and Portable Design:** Weighs 0.43kg and measures 145cm, ideal for stage and travel.
- **Stable Powering:** Supports 9V, USB, and battery power options.
- **Continuous Updates:** Firmware updates provide new functions and improvements.

2.2 Included Components

The package includes the following items:

- MIDI Captain Foot Controller
- Expression Pedal
- 1 x TRS Cable

Powerful Reliable and Colorful

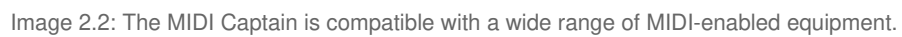
A reliable assistant for musicians and players

- Support all **PC / CC / NOTE** midi messages
- **10 keys / 10 presets** fully customizable
- Support **PUSH / RELEASE** actions
- Unique **TIME ENGINE** function
- Stable-powering **9V/USB/Battery** and combo
- Easy-**update** and customization
- **Wireless** control ability
- **MIDI IN** through
-



Image 2.1: Overview of the MIDI Captain's powerful features.

More control means more function and value



USB MIDI for Softwares / Apps

Powerful USB MIDI opens the door of "soft" music world



Image 2.3: The MIDI Captain can connect via USB to control various software and applications.

3. SETUP

3.1 Powering the Device

The MIDI Captain can be powered in several ways:

- **9V DC Adapter:** Connect a standard 9V DC power adapter (not included) to the 9V input jack.
- **USB Power:** Connect the device to a computer or USB power supply using a USB cable.
- **Battery Power:** The device supports battery operation for portability. Refer to the specifications for battery type and estimated life.

3.2 Connecting to MIDI Devices

Use standard MIDI cables to connect the MIDI Captain to your MIDI-compatible equipment. The device features MIDI IN and MIDI OUT ports.

3.3 Connecting the Expression Pedal

Connect the included TRS cable from the expression pedal to the designated expression pedal input on the

MIDI Captain. The dual outputs of the expression pedal are compatible with both tip and ring connections, ensuring broad compatibility with various host effects gear.


Comparison	MIDI Captain	Other product
		
MIDI Messages	PC/CC/NOTE	PC/CC
Multi-Commands	2 /Normal; 12 /Geek; Key down/up	Only Single
Wireless Control	2.4G Ultra-Low Latency (+ MIDI Mate)	N/A
Update	Unlimited update; Multi-functions	N/A
CC Ability	Moment / Latch / Toggle / Normal	Toggle / Normal
Presets	10 Presets & All Customizable	8 Presets with 2 Customizable
Screen	240x240 RGB LCD 1.56 Inch	128x64 Monochrome 1.3 Inch
Power	USB / 9V / Battery Combination	USB / Battery
LED Indicator	LED Ring with assignable color and bright	Normal single color dot led
Battery	AAx2 / Device Charging / ~10 hours	AAAx2 / Device Charging / 6-8 hours
MIDI IN/Through	Support	N/A
Switches	10,000,000 Times high durability switch	Normal button components
Time Engine	Actions Record / Play	N/A

Image 3.1: Wiring diagram for the expression pedal's dual outputs (Tip and Ring types).

4. OPERATING INSTRUCTIONS

4.1 Foot Switch Operation

The MIDI Captain features 10 foot switches, each fully customizable. These switches can send various MIDI messages, including Program Change (PC), Control Change (CC), and Note messages. Each switch supports separate push and release functions, allowing for complex control sequences.

4.2 Time Engine Function

The unique Time Engine function allows you to record and automate complex key actions. This feature is ideal for creating intricate sequences or automating routine tasks during a performance. To use the Time Engine:

1. Prepare your desired effects presets within a single bank.
2. Initiate the recording function on the MIDI Captain.
3. Perform the sequence of foot switch actions you wish to record.
4. Stop the recording. The MIDI Captain will now be able to replay these actions automatically.

TIME ENGINE Function

Make complex control easily and automatically

With Time engine, we only need record complex key actions once. Then, let MIDI CAPTAIN do all the rest next time.

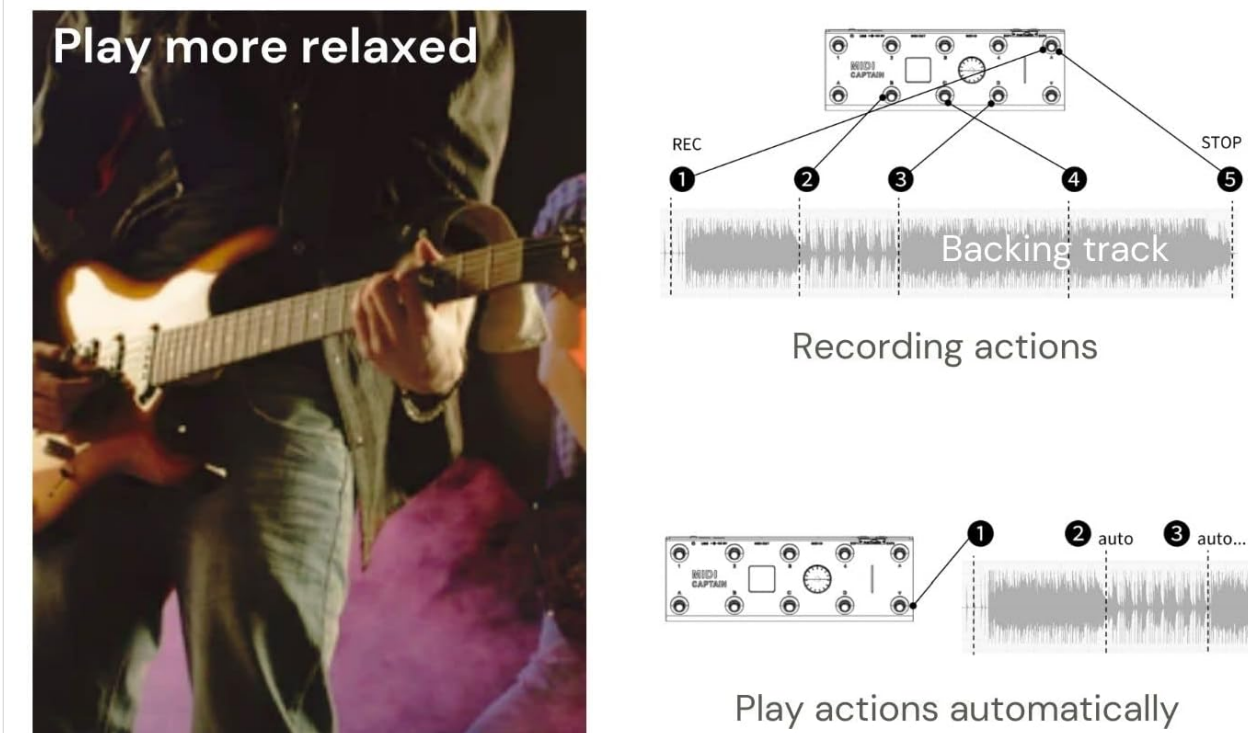


Image 4.1: The Time Engine allows recording and automatic playback of foot switch actions.

4.3 Customization and Presets

The MIDI Captain offers 10 customizable presets, including configurations for JamUP, Bias, AxFx, KMPA, PC3, ALLCC, PC+NT, ALLNT, and Mixed. These presets can be fully customized using the USB Deep Setup Mode. Connect the MIDI Captain to a computer via USB to access the setup software and configure your presets, switch functions, and other parameters.

4.4 Firmware Updates

The device is designed for continuous improvement through firmware updates. Regularly check the PAINTAUDIO official website for the latest update packages to access new features and enhancements.

5. MAINTENANCE

5.1 Cleaning

To clean the MIDI Captain, use a soft, dry cloth. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish and internal components. Ensure the device is powered off and disconnected from all cables before cleaning.

5.2 Storage

Store the MIDI Captain in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. When transporting the device, use a protective case to prevent physical damage.

6. TROUBLESHOOTING

6.1 No Power

- Ensure the 9V DC adapter is correctly connected and functioning, or that the USB cable is securely plugged into a powered USB port.
- If using batteries, check that they are correctly inserted and have sufficient charge.

6.2 No MIDI Signal

- Verify that MIDI cables are securely connected to both the MIDI Captain and your external device's MIDI IN/OUT ports.
- Check the MIDI settings on both the MIDI Captain (via USB Deep Setup Mode) and your external device to ensure they are configured to send and receive MIDI messages correctly.
- Confirm that the foot switches are assigned to send the correct MIDI message types (PC, CC, Note).

6.3 Expression Pedal Not Responding

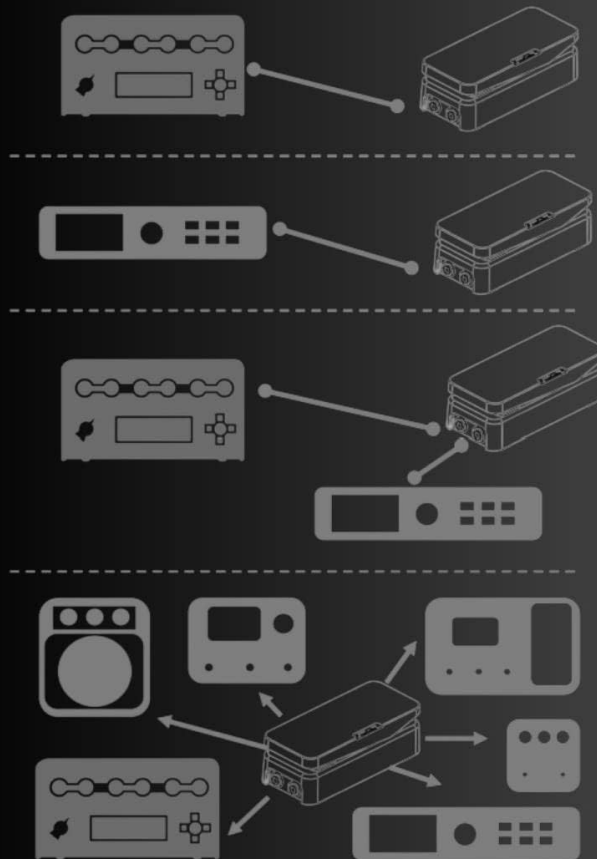
- Ensure the TRS cable is fully inserted into both the expression pedal and the MIDI Captain.
- Check the settings in the USB Deep Setup Mode to confirm the expression pedal is enabled and correctly assigned to control the desired parameter.

7. SPECIFICATIONS

Feature	Description
Model Name	Paint Audio MIDI Captain
Dimensions (L x W x H)	145 x 62 x 50 mm
Weight	0.43 kg
Foot Switches	10, fully customizable (PC/CC/Note, Push/Release)
Presets	10, fully customizable via USB Deep Setup Mode
Connectivity	USB, MIDI IN, MIDI OUT
Power Options	9V DC, USB, Battery
Expression Pedal Output	Dual outputs (Tip Type, Ring Type), 25 K ohm POT value
Hardware Interface	USB
Compatible Devices	Almost all host effects gear and equipment with tip and ring connections
Supported Software	JamUP, Bias, AxFx, KMPA, PC3, etc.
Material Type	Metal

Spec:
145 x 62 x 50 (mm)
0.43 kg

POT Value
25 K ohm
A Output: Tip Type
B Output: Ring Type



A and B are independent



1 x TRS Cable included in the package

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Image 7.1: Key physical and electrical specifications of the MIDI Captain and its expression pedal.

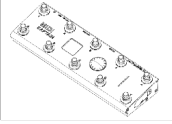


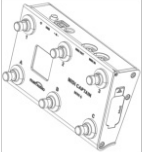
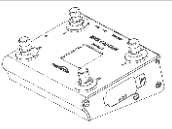

Applications more than you may know



Image 7.2: Feature comparison highlighting the advanced capabilities of the MIDI Captain.

8. WARRANTY AND SUPPORT

PAINTAUDIO products are designed for reliability and performance. For information regarding warranty coverage, technical support, or to download the latest firmware updates and software, please visit the official PAINTAUDIO website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

<p>MIDI CAPTAIN PC/CC/NOTE MIDI Foot Controller with the original TIME ENGINE function Ver 2.0 (Mar. 2021)</p>  <p>PAINTAUDIO The world's first digital audio interface technology. The current generation MIDI controllers are better than ever.</p>	<p>MIDI CAPTAIN PC/CC/NOTE MIDI Foot Controller User Manual</p> <p>Comprehensive user manual for the PaintAudio MIDI CAPTAIN, a PC/CC/NOTE MIDI Foot Controller with TIME ENGINE function. Covers connection, controls, screen display, operations, time engine functions, setup items, USB deep setup, factory presets, backup/restore, firmware updates, and specifications.</p>
<p>PAINTAUDIO MIDI Captain Series MIDI Captain Series Controllers Super Mode Functionality and Configuration Instructions</p>  <p>ONE DUO NANO 4 MINI 6 10</p> <p>Ver 2.0 (Mar. 2021)</p>	<p>PAINTAUDIO MIDI Captain Super Mode: Functionality and Configuration Guide</p> <p>Explore the advanced Super Mode firmware for PAINTAUDIO MIDI Captain controllers. This guide details functionality, configuration options, MIDI and HID command emulation, and provides practical examples for models like ONE, DUO, NANO 4, MINI 6, and 10-switch versions.</p>
<p>MIDI Captain DUO Ver 2.0 (Mar. 2021) - with Super Mode</p>  <p>PAINTAUDIO</p>	<p>MIDI Captain DUO: Super Mode MIDI Switches Configuration Guide</p> <p>A comprehensive guide to configuring the MIDI Captain DUO with Super Mode MIDI Switches, detailing its features, interface, firmware, and special reminders for optimal use.</p>
<p>MIDI Captain MINI 6 Ver 2.0 (Mar. 2021) - with Super Mode</p>  <p>PAINTAUDIO</p>	<p>PaintAudio MIDI Captain MINI 6 User Manual and Configuration Guide</p> <p>Comprehensive guide to the PaintAudio MIDI Captain MINI 6, covering its features, interfaces, configuration language, and firmware. Learn how to customize foot switches and utilize Super Mode for advanced MIDI control.</p>
<p>MIDI Captain NANO 4 Ver 2.0 (Mar. 2021) - with Super Mode</p>  <p>PAINTAUDIO</p>	<p>MIDI Captain NANO 4: Super Mode MIDI Switches Configuration Guide</p> <p>A comprehensive guide to configuring the MIDI Captain NANO 4 with Super Mode MIDI Switches, detailing its interfaces, firmware, and configuration language.</p>
<p>PAINTAUDIO MIDI Captain Series MIDI Captain Series Recovery -Recovery Guide-</p>  <p>ONE DUO NANO 4 MINI 6 10</p> <p>Ver 2.0 (Mar. 2021)</p>	<p>PAINTAUDIO MIDI Captain Series Recovery Guide</p> <p>Comprehensive guide to recovering PAINTAUDIO MIDI Captain series devices from error prompts or boot failures. Includes step-by-step instructions for various scenarios.</p>



[PAINTAUDIO MIDI Captain Series Recovery Guide](#)

Comprehensive guide to recovering PAINTAUDIO MIDI Captain series devices from error prompts or boot failures. Includes step-by-step instructions for various scenarios.

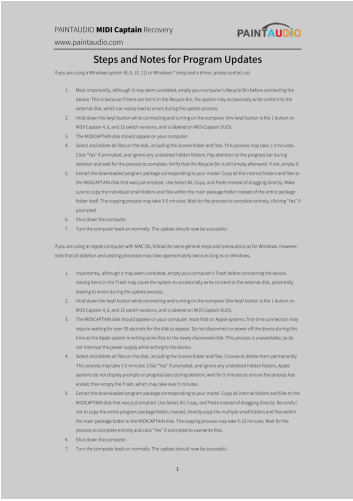
lang:en score:36 filesize: 580.71 K page_count: 5 document date: 2024-03-09



[PAINTAUDIO MIDI Captain Super Mode: Functionality and Configuration Guide](#)

Explore the advanced Super Mode firmware for PAINTAUDIO MIDI Captain controllers. This guide details functionality, configuration options, MIDI and HID command emulation, and provides practical examples for models like ONE, DUO, NANO 4, MINI 6, and 10-switch versions.

lang:en score:36 filesize: 4.11 M page_count: 40 document date: 2024-02-01



[PaintAudio MIDI Captain Recovery: Steps for Program Updates](#)

A guide to updating the program on your PaintAudio MIDI Captain foot controller, covering steps for both Windows and macOS operating systems. Includes important notes on preparing your computer and the device for a successful update.

lang:en score:28 filesize: 292.28 K page_count: 1 document date: 2024-07-07

MIDI Captain DUO

with Super Mode MIDI Switches Configuration



This manual describes the operation of the MIDI Captain DUO. The manual is available in English and Chinese.

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[MIDI Captain DUO: Super Mode MIDI Switches Configuration Guide](#)

A comprehensive guide to configuring the MIDI Captain DUO with Super Mode MIDI Switches, detailing its features, interface, firmware, and special reminders for optimal use.

lang:en score:23 filesize: 785.25 K page_count: 8 document date: 2024-01-18

MIDI Captain ONE

with Super Mode MIDI Switches Configuration



This manual describes the operation of the MIDI Captain ONE. The manual is available in English and Chinese.

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[\[pdf\] User Manual Warranty](#)

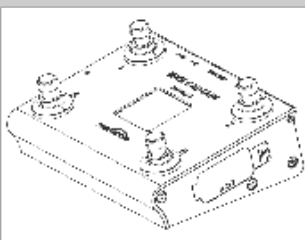
Wilson Zuo Download MIDI Captain ONE Controller with HID Multi state Cycling PaintAudio version of the product manual As we continuously update firmware device there may be instances where descriptions differ from actual operation We appreciate your understanding EN v 1708190948 cdn shopify s files 1 0656 8312 8548 |||

Warranty ...

lang:en score:18 filesize: 772.41 K page_count: 8 document date: 2024-01-18

MIDI Captain NANO 4

with Super Mode MIDI Switches Configuration



This manual describes the operation of the MIDI Captain NANO 4. The manual is available in English and Chinese.

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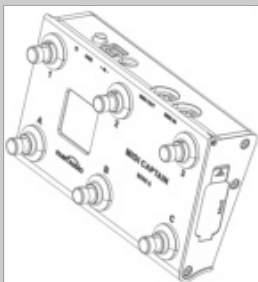
[MIDI Captain NANO 4: Super Mode MIDI Switches Configuration Guide](#)

A comprehensive guide to configuring the MIDI Captain NANO 4 with Super Mode MIDI Switches, detailing its interfaces, firmware, and configuration language.

lang:en score:17 filesize: 845.79 K page_count: 9 document date: 2024-01-18

MIDI Captain MINI 6

with Super Mode MIDI Switches Configuration



This manual describes the operation of the MIDI Captain MINI 6. The manual is available in English and Chinese.

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[PaintAudio MIDI Captain MINI 6 User Manual and Configuration Guide](#)

Comprehensive guide to the PaintAudio MIDI Captain MINI 6, covering its features, interfaces, configuration language, and firmware. Learn how to customize foot switches and utilize Super Mode for advanced MIDI control.

lang:en score:15 filesize: 870.01 K page_count: 9 document date: 2024-01-18



[\[pdf\]](#) Test Report

EMC Test Report CSS Designs MTPRO MIDI Tap Pro 2BGHX 2BGHXMTPRO mtpro

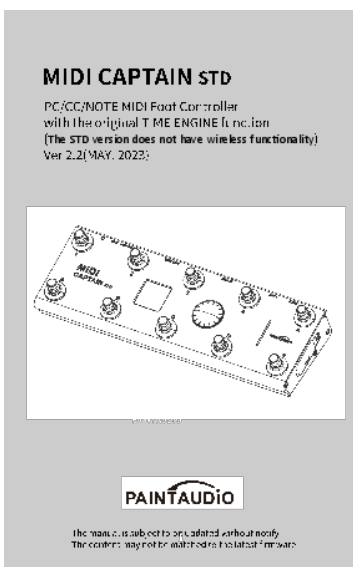
TEST REPORT Reference No..... : WTF24X12291381X1E

Applicant..... .. Lenovo Synthesizer Behringer Synthesizer Roland Foot

Pedal PaintAudio Model E445 TD-3 SC88 **MIDI CAPTAIN** Serial Number 0C62707 / /

/ 1.6 Measurement Uncertainty Test Item Conducted Emissions...

lang:en **score:15** filesize: 4.45 M page_count: 28 document date: 2025-02-28



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The STD version does not have wireless functionality IN ...

lang:en **score:14** filesize: 4.25 M page_count: 30 document date: 2023-05-29