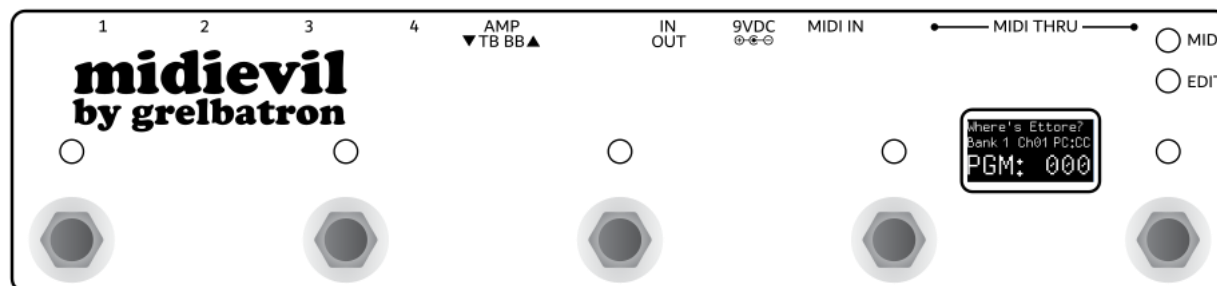




MidiEvil | User Manual

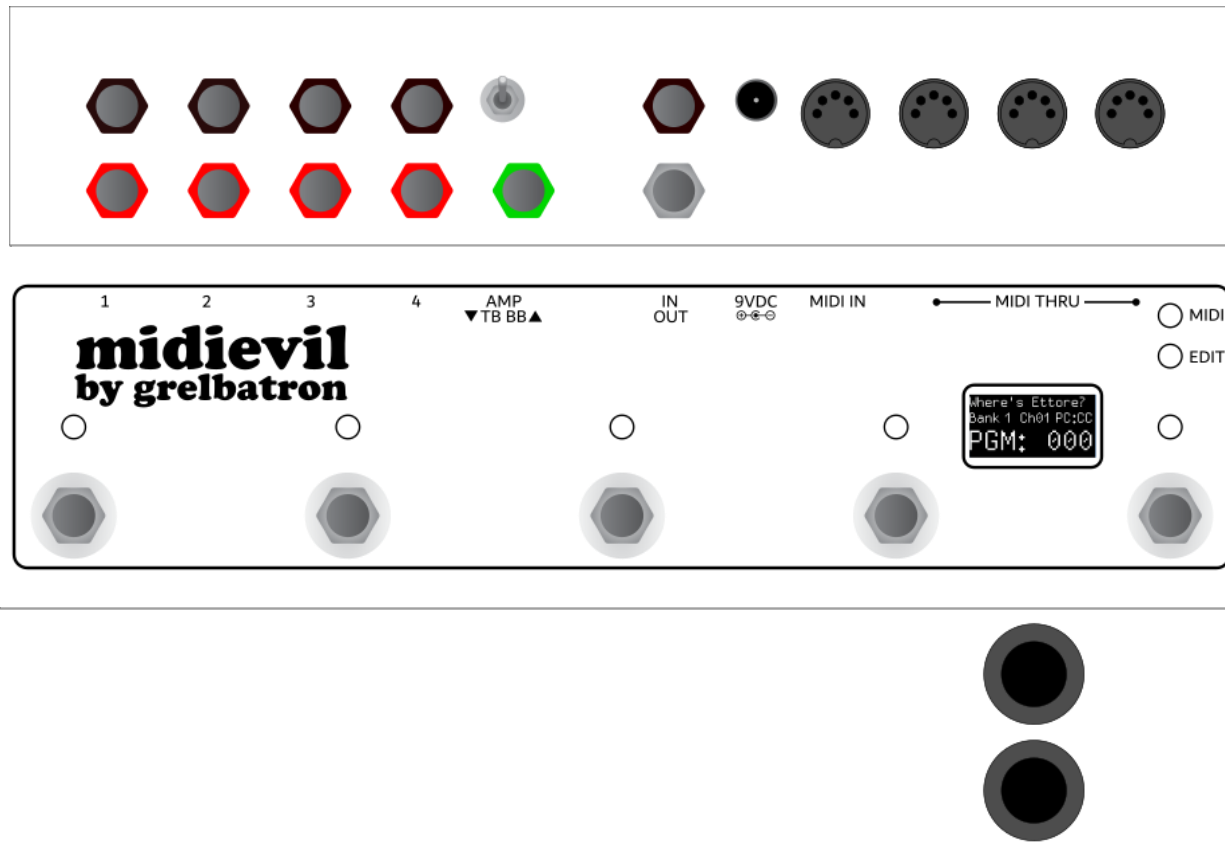
MidiEvil is a dirt simple midi-controlled loop and amp switch. It's been designed to be easy to configure and can be used with or without a midi controller.



Features

- Switchable Input Buffer (Based on Klon)
- 4 True Bypass Loops using good quality NEC Signal Relays (Switches 1 – 4)
- 1 Normally Open Latching Relay (Switch 5)
- 2 Footswitch Modes (Direct or Program)
- Program Mode allows you to recall 10 presets across 2 banks
- Direct Mode allows for control over each loop and amp switch
- User assignable CC Numbers to each Switch
- Controller values from 0-63 will switch off the output, values from 64-127 will switch it on
- Can store up to 128 presets (not that you'll need that many)
- Ability to enable and disable CC switch control and PC recall functionality
- 1 Midi In Connector (5 Pin Din)
- 3 Midi Through Connectors to pass your midi control signals through to other devices (5 Pin Din)

Controls And Connections



REAR PANEL

Loops 1 – 4 are left to right with the send indicated in **Black** and return is indicated in **RED**
Normally open Latching Switch is indicated by **Green**
The toggle switch changes between Buffered Bypass (BB) or True Bypass (TB)
The Input is indicated in **Black** and the Output is Metallic **Silver**
Standard 9VDC 2.1mm Centre Negative Power Connection (200mA)
Standard 5 Pin Din Midi Input and 3 x 5 Pin Midi Thru Connectors

FACE

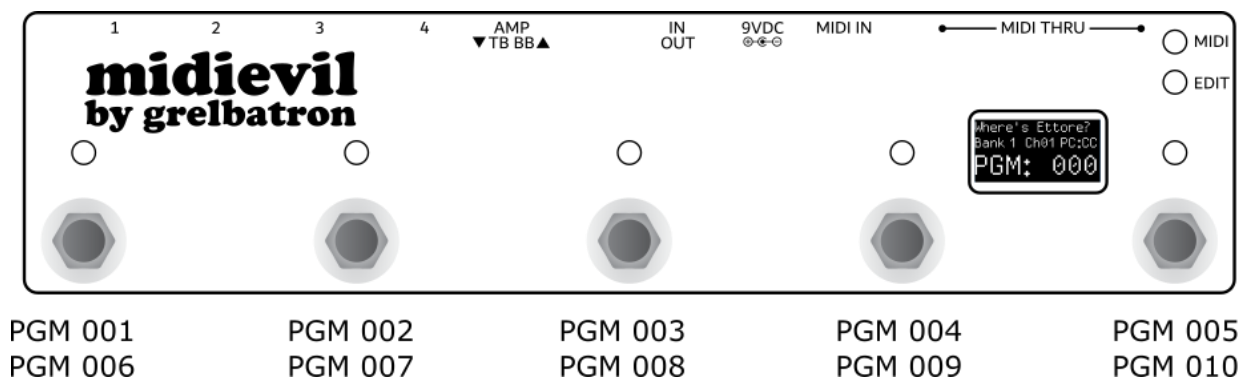
5 x momentary footswitches for Program or Direct Switch Recall
5 x LEDs above footswitches indicate the LOOP (1 – 4) and Latching switch (5) state.
Midi LED Flashes when incoming Midi Data is received
Edit LED is on in Edit mode, and flashes on and off when in preset bank 2 of PGM mode
1" Display shows operating details during use, and to assist with configuration of device

FRONT PANEL

2 Momentary Buttons for Configuration and Bank Select
The Top Button will be referred to as Button 1
The Lower Button will be referred to as Button 2

Footswitch Mode: Program Operation

Program mode enables the 5 momentary footswitches to recall 10 presets/programs across 2 banks. The Edit LED flashes ON/OFF in 500ms intervals to indicate when bank 2 is engaged. Midi Control can be used in unison.



Where's Ettore?
Bank 1 Ch01 PC:CC
PGM: 002

Where's Ettore?
Bank 2 Ch01 PC:CC
PGM: 009

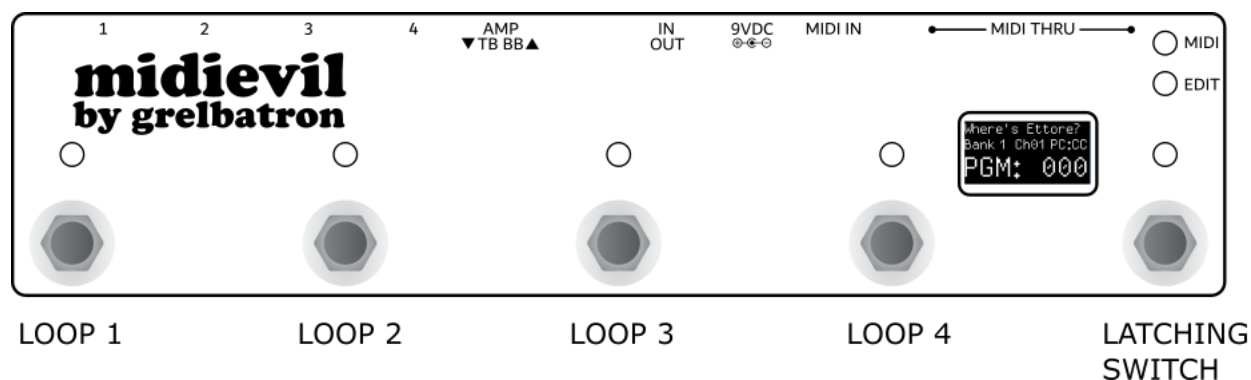


Toggle between Banks 1 and 2

Programs 0 – 128 can be saved to the device. PGM 000 being the startup preset, PGM 001 – 010 are recallable via footswitches in PGM mode, and presets 1 – 128 can be recalled via midi.

Footswitch Mode: Direct Operation

Direct mode enables access to engage each loop and latching switch from the 5 momentary switches. Midi Control can be used in unison.



Display and Configuration

DISPLAY IN STANDARD OPERATION (PGM Mode)

Title (Indicative of FW Version)	Where's Ettore?	Midi Channel (ChXX), Program Change (PC)
Current Preset Bank in PGM Mode	Bank 1 Ch01 PC:CC	and Controller Change (CC) functions are
Current Program/Presets Recalled	PGM: 000	showing as enabled. When Midi CC data is
		received the display updates to show the CC
		Number over "PC" and the CC Value over "CC"

DISPLAY IN STANDARD OPERATION (DIR Mode)

Indicates Direct Mode is Configured	Where's Ettore? Direct Ch01 --:-- PGM: 000	-- is Displayed when midi Program Change (PC) and midi Controller Change (CC) functions are disabled
-------------------------------------	--	--

** PGM 000 is not recallable via Midi and is loaded on powering the device. It can be edited and saved to customize your startup configuration.*

DISPLAY IN EDIT MODE

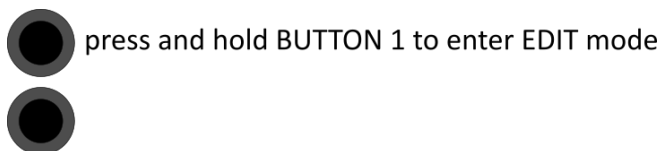
Indicate the device is in Edit Mode	Where's Ettore? Edit Mode:	
Current Menu Item Selected	PC: Off	Menu Item Parameter to configure

BUTTON FUNCTION MATRIX

Button #	Button Function	Operation	Edit
Button 1	Quick Press	Bank Toggle (PGM Mode Only)	Cycle Edit Menu Option
Button 1	Press and Hold	Enter Edit Mode	Save and Exit Edit Mode
Button 2	Quick Press		Toggle/Increment Current Parameter
Button 2	Press and Hold		Increment controller numbers by 10

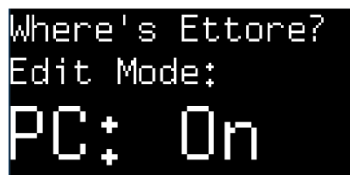
ENTERING EDIT MODE

** All Midi controls sent to the device will be ignored when in edit mode.*



ENABLING MIDI PROGRAM CHANGE

The Program Change function allows the device to receive program change midi commands. Turn it off if you do not want the device to change preset/programs when receiving midi commands.



Where's Ettore?
Edit Mode:
PC: On



Toggle to the next Edit Menu Item
Press and Hold to Save and Exit Edit Mode



Toggle Program Change Function On and Off

ENABLING MIDI PROGRAM CHANGE

The Control Change function allows the device to receive control change midi commands on the configured channel. Each switch can have an independent controller assigned. Values 0-63 turn the switch off and values 64-127 turn the switch. Turn it off if you do not want the device to switch when receiving CC midi commands.



Where's Ettore?
Edit Mode:
CC: On



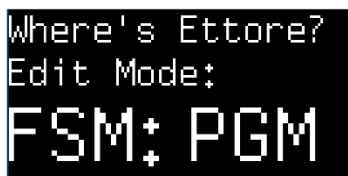
Toggle to the next Edit Menu Item
Press and Hold to Save and Exit Edit Mode



Toggle Control Change Function On and Off

CHANGING FOOTSWITCH MODE

There are two operational Footswitch Modes. Direct (DIR) allows for control over each Loop and Latching Relay. Program (PGM) allows for recall of presets 1-5 in Bank 1 and 6 – 10 in Bank 2.



Where's Ettore?
Edit Mode:
FSM: PGM



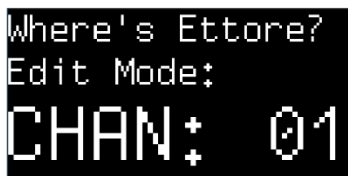
Toggle to the next Edit Menu Item
Press and Hold to Save and Exit Edit Mode



Toggle Footswitch Mode (FSM) between Program (PGM) and Direct (DIR) modes.

CHANGING MIDI CHANNEL

The Device can be configured to a suitable Midi Channel for your setup



Where's Ettore?
Edit Mode:
CHAN: 01



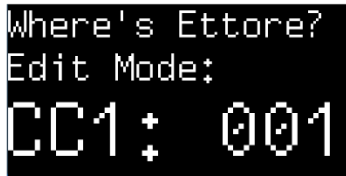
Toggle to the next Edit Menu Item
Press and Hold to Save and Exit Edit Mode



Toggle assigned Midi Channel between 1 and 16

ASSIGNING MIDI CONTROLLER NUMBERS

With the control change function enabled, it's possible to assign each loop and latching relay with its own Controller.



Where's Ettore?
Edit Mode:
CC1: 001



Toggle to the next Edit Menu Item
Press and Hold to Save and Exit Edit Mode



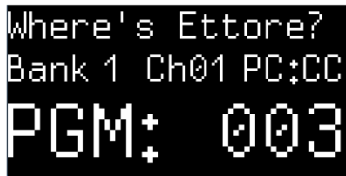
Toggle assigned to Controller Number from 0 - 127
Press and hold to change in increments of 10

SAVING PROGRAMS/PRESETS

Recall Program number you would like to save over

- PGM Mode: Select Bank and Preset via Switches
- DIR Mode: Set Preset via external midi command

Start Edit Mode by pressing and holding BUTTON 1



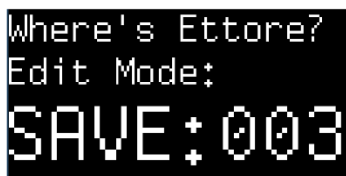
Where's Ettore?
Bank 1 Ch01 PC:CC
PGM: 003



Toggle Banks
Press and Hold enter Edit Mode



Whilst in Edit Mode use the Footswitches to engage or disengage each loop and latching relay to the desired state. The LED's being on indicate the loop or latching switch associated is on/engaged. The screen will show what preset is going to be saved over.



Where's Ettore?
Edit Mode:
SAVE: 003



Press and Hold to Save and Exit Edit Mode



Firmware Updates

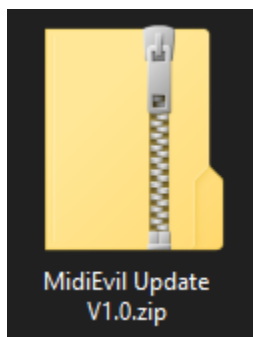
DOWNLOAD AND EXTRACTION

**Currently only updates with Windows is supported*

**Require a USB Mini Type B – Type A Cable*

** Processor and screen will power via the USB connection, however the relays and LED's require the external 9VDC supply to function. It is not required to connect an external 9VDC supply to the device for FW updates.*

Firmware is simple to update if ever required. The Firmware and Updater are all packaged into a single .exe file and available online at <https://linktr.ee/grelbatron>



The updater will be downloaded in a .zip folder
Right Click the folder and “Extract All...”
Save the extracted folder to you preferred location
Within the extracted folder you will find the .exe



CONNECTION AND UPLOAD



Gently rotate the USB cover on the right side of the enclosure
Connect the USB Mini Type B Connector to the Device
Connect the USB Type A to your Computer
Double Click the Update.exe
If you get the below Defender Caution select “Run Anyway”

Windows protected your PC

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

App: MidiEvil Update V1.0.EXE

Publisher: Unknown publisher

The Updater will start up but not run. Take this chance to double check all connections are in place and that there are no other USB devices connected to the PC.

Full Build Warranty

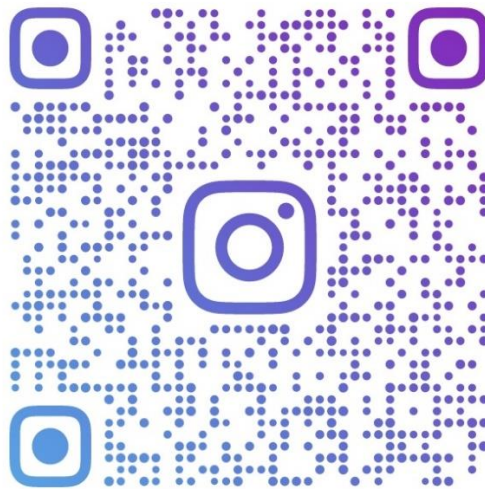
Grelbatron will repair your product if it fails to operate due to defects in materials or workmanship for a period of **two years** from date of purchase. Except for the LED display which is warranted for **6 months**.

Exclusions of this warranty may include:

- Damage caused by misuse, abuse, or unauthorized modification.
- Aesthetic damage such as surface scratches.
- Damage caused by other products.
-
- Postage and shipping charges.

Please lodge warranty claims direct to grelbatron@gmail.com with a description of the fault and any relevant photos.

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