DMC.micro PRO

USER MANUAL

Contents

DMC.micro PRO Manual Rev 2.02a 01.12.2021
disasterareadesigns.com

Important Note:

This User Manual covers operation of both the DMC.micro PRO and the DMC.micro running firmware version 2.0 or higher.

Throughout this manual we will refer to both the DMC.micro PRO and the older DMC.micro as "DMC.micro."

Special features available only on the PRO will be marked as "PRO FEATURE."

Information pertaining to the older blue LED DMC.micro will be marked in BLUE or referred to as LED4.

We're always improving our products, so this manual may not reflect the current firmware options in your controller.

Scan the code or visit our website for the most recent version of this manual, firmware, and other important product support.

Recommended Accessories:

gHOST Adapter Cable Kit: Allows USB port to control USB-MIDI devices (C4, Zoom, etc)

Disaster Area MIDI Cables: High-quality space-saving right angle MIDI cables

Disaster Area MIDI-Y Cable: Convert DMC.micro MIDI port into MIDI IN and OUT

Disaster Area 5P-TRS PRO Cable: Connect MultiJack to 5-pin device or 5-pin port to 1/4" device

All accessories available from disasterareadesigns.com/shop

Specifications

Size: 3.6" x 1.5" x 1.6" (93 x 38 x 42mm) excluding switch caps and jacks

5-pin MIDI Port (supports MIDI input with MIDI-Y cable)

MultiJack (supports expression pedal, dual footswitch, or MIDI output)

USB port (supports USB-MIDI or USB-HOST with gHOST Adapter)

Controls up to four MIDI devices

Power: 9V DC, 40mA or greater, center negative (not included)

Graphical OLED display (PRO) / 4-digit blue LED display (LED4)

Soft-touch footswitches

Preset, device, looper, clock, and UTIL modes

Introduction

The DMC.micro PRO is an updated and improved version of our most popular controller, featuring full-sized performance in a much smaller package.

The DMC.micro user interface is incredibly simple – tap the left or right buttons to perform an action, hold the left button to perform a third "alternate" action, or hold the right button to advance to the next "page."

In this manual we'll explain all the functions of the controller, including helpful examples for each page and setup type to help you get the most out of your rig.

We cover a TON of examples and setups in this manual but we have much more info on our website - check out disasterareadesigns.com/support for more guides and info.

Ins and Outs

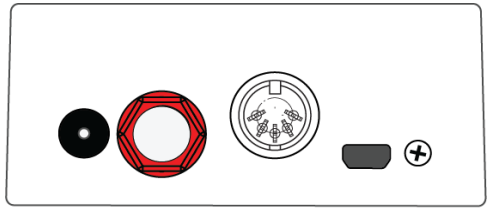
Even though the DMC.micro is small, it features a ton of input / output capability!

The rear panel contains the ports as shown in the diagram below.

The MIDI port normally operates as an output - connect a standard MIDI cable between this port and a MIDI-capable device to have the DMC.micro control it.

You can also connect our DMC MIDI Y-cable to this port to access both MIDI INPUT and OUTPUT, which allows you to control the DMC.micro from another device. We'll cover this under the Preset Expander section later.

Next up is the MultiJack - this versatile connector can perform many different functions depending on the configuration of the DMC.micro. Some popular uses are MIDI output, expression pedal input, dual remote footswitch input, or even to send tap tempo to supported devices!



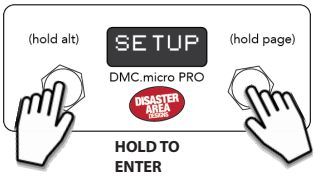
There's also a USB port, which we use for firmware updates and USB MIDI to your DAW, iPad, or other mobile device. It can also connect to certain other USB MIDI devices through our gHOST adapter cable. For more info, please see the USB Host Mode Setup section on page 11.

Finally, we have a DC power jack. The DMC.micro requires 9V DC only, center negative, 2.1mm pin. Just about anything that will power a Boss pedal will work on DMC.micro. You'll need to provide at least 100mA of *isolated* power, but more is okay.

Setup Menu

All of the configuration and customization options are contained within the Setup Menu. Any changes you make in this menu are saved in the memory of the DMC.micro for future use.

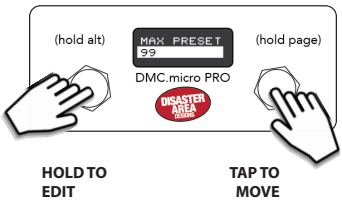
Throughout this manual we'll indicate Setup Menu options as ***MENU = OPTION***, meaning we'd like you to navigate to that item in the Setup Menu and set its value to match.



ENTERING THE SETUP MENU:

Press and hold both buttons after the DMC boots.

Release the buttons when you see SETUP on the display.

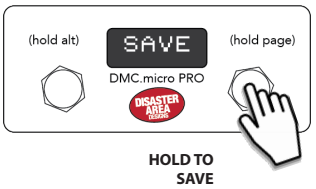


NAVIGATING THE SETUP MENU:

Tap left or right to choose an item to edit.

Hold left to edit the item, then tap left or right to change its value. PRO will highlight the menu item, LED4 will flash the menu value.

Hold left to return to the main menu.



Hold the right footswitch to save the settings and exit.

If you have changed any of the port configurations, be sure to power-cycle the DMC.micro.

IMPORTANT NOTE: You must SAVE your changes from the Setup Menu before they will take effect!

Setup Menu (continued)

SETUP MENU ITEMS:

As you move through the menu you'll see the following items to edit. Feel free to tweak the settings to your satisfaction, but if you're not sure about anything we recommend the default settings as listed. The menu names for the DMC.micro LED4 are shown in BLUE.

MAX PRESET / PRST: Number of presets available in Preset mode. If PRST is set to OFF, preset mode will be disabled. Range OFF to 99, default 16.

PRST CHAN/ P CH: Sets the channels the DMC will send using Preset Mode. Set A, B, C, D to send on channels 1, 2, 3, 4. Set any channel to 0 to disable sending on that channel.

DEVICES / DEV: Number of available device modes. Each device mode controls one MIDI device on channels 1-4 (devices A-D.) Range OFF to DevD, default DevA.

DEVICE A / DEV.A
DEVICE B / DEV.B
DEVICE C / DEV.C
DEVICE D / DEV.D
Device mode assignments. Select the device type assigned to each channel of the controller to automatically set up the correct MIDI commands for each device.

UTIL MOD X / UTIL.X Enable or disable Utility Mode X
UTIL MOD Y / UTIL.Y Enable or disable Utility Mode Y or Looper Mode. Set this to DevA-DevD to assign the looper controls to that device.

CLOCK MODE / CLK: Enable or disable the Clock Mode.
OFF: Disables Clock Mode
PRESET: Clock mode enabled, controller sends a saved tempo for each preset
GLOBAL: Clock mode enabled, controller sends a single global tempo
PRESET4: As PRESET, but controller sends only 4 taps when tempo changes
GLOBAL: As GLOBAL, but controller sends only 4 taps when tempo changes

UTIL MOD X / UTIL MOD Y: Configure the functions the DMC will use for Utility Mode X and Y. Please consult the Utility Mode section on page 20 for further details. *Note: these menu items will be hidden if Utility Modes are disabled.*

MULTIJACK / JACK: Configures the MultiJack hardware, please see the MultiJack section on page 22 for full details.
EXP: Jack connects to expression pedal (TRS type required)
FT.SW: Jack connects to single foot switch for tap tempo
N-O: Jack functions as normally-open tap tempo output*
MIDI TIP / MID.T: Jack sends MIDI from tip
MIDI RNG / MID.R: Jack sends MIDI from ring
MIDI T&R / MD.TR: Jack sends MIDI from both tip and ring
MIDI I/O / MD.IO: Jack sends MIDI from tip, receives MIDI from ring
UTIL: Connect dual footswitch to jack OR expression pedal, control functions programmable using UTIL J TIP and RING functions
N-C: Jack functions as normally-closed tap tempo output*
EXP SPLT / SPLT: Jack connects to expression pedal and sends expression to the current device only.
Functions marked * require the jack DIP switches to be set to OFF-OFF-OFF

JACK CHAN / J CH: Sets the MIDI channels that the MultiJack will send.

J TIP / J RNG: Configure the functions the MultiJack footswitches or expression pedal will send. Please consult the MultiJack section on page 22 for further details. *Note: these menu items will be hidden if MultiJack is not set to UTIL.*

(continued next page)

Setup Menu (continued)

TAP LENGTH / TLEN: Configures the MultiJack tempo output. Longer settings increase the time the output is held after a tap, increase this if your tap tempo device doesn't respond to taps. *Only controls the MultiJack in N-O or N-C modes, does not affect any other settings.*

HOLD TIME / HOLD: Configures the time needed to trigger the "hold" functions for the DMC footswitches. Set this to LO to trigger holds faster, or set to HI if you are experiencing unwanted holds.

USB MODE / USB: Configures USB port function.
MIDI = your computer or mobile device controls DMC.micro
HOST = DMC.micro controls your class-compliant USB MIDI device

INPUT CHANNEL / INCH: MIDI channel the controller will use to receive incoming data. Default is 16. MIDI input on DMC.micro requires the use of the Disaster Area MIDI-Y cable.

MIDI THRU / THRU: Enable or disable MIDI thru on the DMC interfaces. MIDI data from each interface is always passed to the others, THRU setting determines whether that same data is returned on the same interface. In most cases, this should be set to **OFF** or **5 P.**
OFF: No MIDI data will pass from input to output on any interface
5 P: MIDI data coming in from the DIN port will be passed to the DIN port
JACK: MIDI data from the MultiJack will pass back through the MultiJack
ALL: MIDI data from DIN, USB, and Jack will pass back out those interfaces
USB: MIDI data from USB port will be mirrored back to USB port.

NAME DISP / NAME: Enable preset name display
OFF: Show preset number only
NAME & NUM: Show preset name and number on two lines
BIG NAME: Show first 7 letters of preset name in large font

UTIL NAME (PRO): Display 5-character names for each Utility Mode function.

UTIL LOAD / UT.LD: Load the UTIL mode values per preset for either Util X, Y, or both. Please consult the Utility Mode section on page 20 for further details.

DISP BRT / BRT: Sets display brightness from 0-9. Default is 4.

CUST 1, CUST 2 / C1, C2: Configure the two Custom MIDI devices here. Please consult the Custom Devices section on page 15 for full details. *Note: these menu items will be hidden if neither of the Custom devices is selected in any device slot.*

CH.A BASE / CH.AN: Sets the MIDI channel range for the controller. Device A will use this value, then devices B through D will be the next four channels in line. Ex: CH.AN = 3, DevA will be channel 3, B 4, C 5, D 6. **Leave this set to 1 unless otherwise directed.**

BYPASS SEND / BYP.S: ON CHANGE will send bypass commands only when the next preset differs from the current preset. ALWAYS / AUTO will send on every preset load.

DUMP: Preset and configuration dump via MIDI SysEx.

FACT: Factory reset. Tap RIGHT in this menu until a setting is displayed, then tap the left button to reset those settings to defaults.
ALL = clears configuration, fills presets from 0-99.
PROD = test mode, used at the factory.
C4 = sets up Device A and the USB port for use with the Source Audio C4.
MERS = sets up Device A and the MultiJack for use with the Meris pedal lineup.
CBA = sets up Device A and the MultiJack for use with a single Chase Bliss pedal.
C4, MERS, CBA reset do not erase presets or change other config items.

SETTING UP THE DMC.MICRO

So now that you know what all the setup menu options are, how do you actually set this controller up to work with your rig? We'll cover the general steps and provide an example configuration to get you started.

First, figure out what MIDI devices and other pedals you want the DMC.micro to control, and verify that they are on the **Supported Devices List** here:

disasterareadesigns.com/supported-devices

If you don't see your device listed, check out the Custom Devices section on page 15.

In our example, we'll be controlling a Meris Enzo and a Strymon Timeline.

Enter the setup mode on the DMC by holding both of its buttons and navigate to the **DEVICES** menu. Since we have two MIDI devices, we'll set this to **DEV B**, which means we'll be using devices A and B.

Next, we'll set up each device slot on the DMC.micro to talk to the correct device, which will configure the DMC to send the correct commands. We'll be using the Enzo as device A and the Timeline as device B, just based on the order that they are in our example signal chain, but you can assign them in whatever order seems correct to you. Set **DEVICE A = MERIS** and **DEVICE B = TIMELINE**.

Then we need to consider how we'll connect each device's physical MIDI interface to the DMC.micro. The Timeline has a dedicated 5-pin MIDI port, so the most reasonable thing to do would be to use a MIDI cable to link them up. But the Enzo has a 1/4" jack for expression, MIDI, or tap tempo - so we'll need to either use an adapter cable from the Timeline's MIDI output or connect the Enzo directly to the DMC using the **MultiJack**.

In our example we'll be using the **MultiJack**, since it doesn't require any extra hardware and can just use a standard patch cable, but if you wanted to use the **MultiJack** for an expression pedal then the adapter from the Timeline's MIDI port would be a good choice.

Set **MULTIJACK = MIDI TIP** and while you're at it, verify that the DIP switches on the bottom of the DMC.micro are set to ON-ON-ON.

If you want to control the looper on the Timeline, configure **UTIL MOD Y = LOOPER B**.

Then after everything is configured as detailed above, hold the right button on the DMC to save and exit.

Follow the instructions on the following pages to set up your Enzo and Timeline using their configuration menus - make sure that the Enzo is set to MIDI channel 1 and the Timeline to channel 2.

Finally, have fun with it! Read up on the descriptions of Preset, Device, and Looper modes in the next few pages to get a handle on what everything does. Check out the Looper and Clock Mode sections for more ideas about getting the most out of your DMC.micro with your particular rig. And be sure to visit the Utility Mode section for details on adding even more control possibilities to your setup!

The next new pages cover the most common pedals that our users connect to the DMC.micro, as well as a few that are less common but more difficult to configure!

Strymon Setup Guide

The DMC.micro supports three "families" of Strymon MIDI devices:

Big-Box with Display: Timeline, Mobius, BigSky have dedicated 5-pin MIDI

Big-Box, no Display: Volante, NightSky have dedicated 5-pin MIDI and 1/4" MIDI

Small-Box: Sunset, Riverside, Iridium, Compadre use 1/4" with the MultiJack or adapter cable

Timeline, Mobius, BigSky: Use the dedicated device driver selections for these.

Enter the Globals on your pedal and configure MIDITH = ON or MERGE, MIDICH to match the device slot you have selected. Ex. DevA = MIDICH 1, DevB = MIDICH 2, etc.

If you plan to use the Clock mode to send MIDI clock to your device, set MIDICL = ON (this may also be in the PARAMS menu depending on the pedal) and MC SWP = OFF if applicable.

If you are using the Timeline and wish to use the DMC to control its looper, configure BYPASS = BUFBYP, LPEXIT = PLAY.

Mobius may be set to BYPASS = TRUEBYP, but Timeline and BigSky should be set to BUFBYP in order to maintain trails.

Volante, NightSky may use the BigSky device driver. Each pedal has a slightly different method to set its MIDI channel, consult the device manual for your pedal for information about setting the channel. Remember that DevA = channel 1, DevB = channel 2 etc.

Volante and NightSky are not set to receive MIDI clock by default and must be configured to do so *per-preset*.

Note: Volante SOS Looper is not yet supported

Small-Box pedals use their 1/4" EXP or FAVORITE jack for MIDI. Each pedal has a slightly different setup for configuring its MIDI channel so consult your device manual for more details.

If you're using the MuliJack to interface to a Strymon Small-Box pedal, connect the DMC to the pedal using a standard TRS or TS cable and flip the DIP switches to ON-ON-ON. Then configure **JACK = MIDI TIP** and make sure that **JACK CHANNEL** is set to include the device slot you're using for your Strymon pedal. For example, if you are using DevC for an Iridium, you would configure **JACK CHANNEL = -B-- or ABCD.** Any setting that has your chosen channel active should work.

Sunset has a slightly different bypass configuration than the other Small-Box pedals. We recommend that you set preset 0 on the Sunset with knobs at minimum and both sides of the pedal bypassed, then save. The DMC.micro will use preset 0 as its bypass setting, allowing you to easily bypass both sides for clean sound.

Eventide Setup Guide

The DMC.micro supports three "families" of Eventide devices:

H9 / Factor: H9, Timefactor, Modfactor, Pitchfactor, SPACE

Rose

dot9 Series: Labeld "EVEN. STOMP" or "E.STP" in setup menu. Pedals using Eventide Device Manager, including Blackhole, UltraTap, MicroPitch Delay, Tricerachorus

H9 and Factor devices: Select the **H9** device driver for the device slot you wish to use. Eventide devices have a robust MIDI mapping capability, but none of their functions are set from the factory. In order for these devices to recognize the commands we send, a few parameters must be set in their MIDI menus

If using H9 Control, navigate to Pedal -> MIDI Settings -> MIDI Channel
Set MIDI Receive Channel match device selection - 1 for DevA, 2 for DevB, etc.
Navigate to Pedal -> MIDI Settings -> Assign MIDI CC Messages. Map Tap Tempo to MIDI CC 44
Map Performance Switch to MIDI CC 46
Map Toggle Tuner to MIDI CC 69
Map Activate to MIDI CC 42
Map Set Expression Pedal Value to CC 48

If using the MIDI menu on the device itself:
Navigate to **RCV CHANNE**L and set to match device selection - 1 for DevA, 2 for DevB, etc.
Navigate to the **RCV CTL** menu and set the following:
TAP C42 HOTSW C46 ACTIVE C42 PEDAL C48

If you plan to use the looper on the H9 or Timefactor, set the following:
Looper - Record MIDI CC 87
Looper - Play MIDI CC 86
Looper - Stop MIDI CC 85
Looper - Empty MIDI CC 90
Looper - Flip Direction MIDI CC 94
Looper - Flip Octave MIDI CC 95

Rose: Select the EVEN. ROSE / ROSE device driver for the device slot you wish to use. Connect the Rose EXP jack using a TRS cable, set **MULTIJACK = MIDI TIP** and **JACK CHAN** active for the device slot you are using. Set the DIP switches to ON-ON-ON.

Power on the Rose and hold active + φ, then click the PRESET button until the 4th LED is lit.
Click the shape button to set the MIDI channel, the Rose defaults to channel 1.
CH1 = LED5, CH2 = LED4, CH3 = LED 4+5, CH4, LED3.
Click the φ button to enable or disable MIDI clock (LED5.)
Hold the active footswitch to save and exit.

dot9 Series: Select the EVEN STOMP / E.STP device driver for the device slot you wish to use. Connect the pedal EXP jack using a TRS cable, set **MULTIJACK = MIDI TIP** and **JACK CHAN** active for the device slot you are using. Set the DIP switches to ON-ON-ON.

Power on the pedal while holding the active footswitch and V button to enter system setup. Tap the V button until the 4th LED is lit (MIDI BOX.) Then press the tap button to set the MIDI channel. The default is OMNI (all five LEDs,) but the pedal needs to be set to a channel between 1 and 4. CH1 = LED5, CH2 = LED4, CH3 = LED 4+5, CH4, LED3. Tap the active footswitch to enable or disable MIDI clock (all five LEDs light when enabled.) Power cycle the pedal to save and exit.

BOSS Setup Guide

The DMC.micro supports the following Boss pedals:

500 Series: DD-500, MD-500, RV-500

200 Series: DD-200, OD-200, GE-200

Slicer SL-20 (MIDI Clock only!)

Boss 500-Series pedals have full-sized DIN connections for MIDI connections. Select the correct device driver to match your pedal in the **DevA-DevD** menu, ex. **DevB = Boss DD500.**

To configure the pedal, enter the MIDI menu by pressing EDIT, press down to select MIDI, and press EDIT again.

Set Rx Channel to match the device slot you have chosen for the Boss pedal, ex. **DevA** = CH1, **DevB** = CH2.

Set PC OUT = off, Bank Sel Out = OFF, MIDI IN->OUT = MIDI, SYNC = MIDI

To use the DMC.micro to set the tempo on the 500-Series, we recommend enabling the Clock mode as shown on page 19.

The default settings should be correct but if you have problems controlling the pedal, enter the MIDI mode again and ensure that the following are set:

DD-500: Effect On / Off CC = 21, EXP CC = 16
MD-500: Effect On / Off CC = 27, EXP CC = 16
RV-500: Effect On / Off CC = 27, EXP CC = 16

Boss 200-Series:

All of the pedals in this series have the same MIDI implementation. Please ensure that your 200-series pedal is updated to the latest firmware from the Boss site to enable full MIDI control.

Configure the device slot you wish to use for your Boss pedal as **Boss 200 / BOS2.** Ex. **DevD = Boss 200**. Configure **MULTIJACK = MIDI TIP / MID.T** and set **JACK CHAN / J CH** to match the device slot you have selected, ex. **JACK CHAN = CH D.**

Ensure that the DIP switches on the DMC.micro are set to ON-ON-ON.

Connect your Boss pedal's 1/8" MIDI input to the MutliJack using a 1/4" to 1/8" TRS cable

Enter the 200-series settings menu by holding the two buttons above the footswitches, ex. TAP DIVISION and MEMORY on the DD-200.

Turn the data knob to select a parameter, then press it to select and change that parameter. On the DD-200 this is the TIME knob.

Configure **rCH** to match the MIDI channel for your chosen device slot, ex. **DevA = CH1, DevB = CH2.**
Configure **tCh = OFF, Pin = ON, Pot = OFF, CCi = ON, CCo = OFF, EPC = 16, EFC = 27, SYn = Aut, Nth = ON**

Save and exit by holding both buttons down.

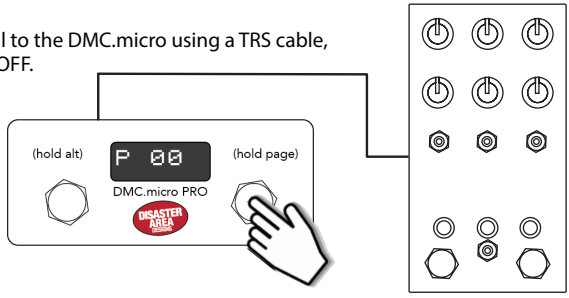
Chase Bliss Setup Guide

The large Automatone series pedals connect directly to the DMC.micro using a standard MIDI cable. Set the pedal MIDI channel to match the device slot you wish to use, ex. devA = CH1, devB = CH2.

For the smaller Chase Bliss pedals that use 1/4" cables for MIDI, enter Setup on the DMC.micro and configure **JACK = MIDI RNG / MID.R,** and make sure that the DIP switches on your DMC. micro are set to ON-ON-ON.

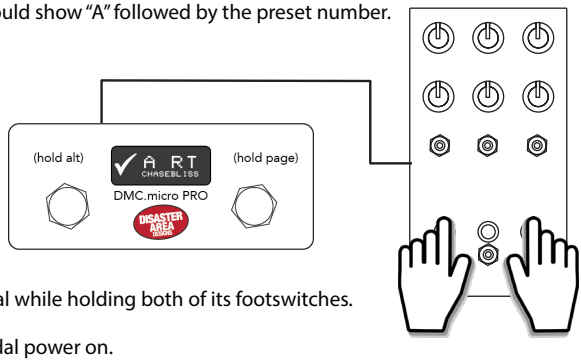
For either type of pedal, set one or more of your device slots to **CHASEBLISS / CBA.** Save and exit Setup mode. If you are connecting a compact Chase Bliss pedal please continue to the next steps.

Connect your Chase Bliss pedal to the DMC.micro using a TRS cable, leave the CBA pedal powered OFF.



Hold and release the right footswitch on the DMC.micro until the device mode that you want to use is showing. As an example, we'll configure a Chase Bliss MOOD pedal as DevA.

Navigate to where you want to start - using our example with MOOD, this would be the A device mode. The display should show "A" followed by the preset number.

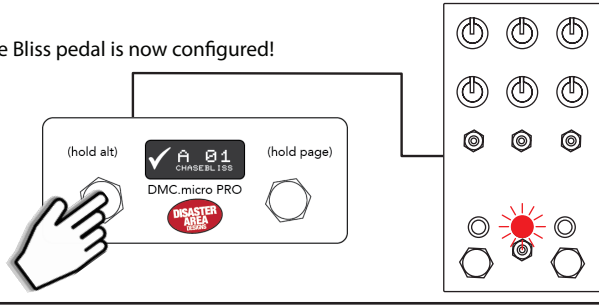


Power on the Chase Bliss pedal while holding both of its footswitches.

Release when you see the pedal power on.

Tap the left or right footswitches on DMC.micro until you see the center LED on your CBA pedal change colors.

That's it - your Chase Bliss pedal is now configured!



Line 6 Setup Guide

The DMC.micro supports several Line 6 devices:

M-Series: M5, M9, M13

HX Series: HX Effects, HX Stomp

To configure any supported Line 6 device to work with the DMC.micro, first configure the controller with the correct device driver for the device slot you wish to use. For example, to use an HX Stomp as device A, set **DEVICE A = HX Stomp**.

Then, set up the MIDI receive channel on your device to the matching MIDI channel.

For HX Stomp and Effects, enter the global menu and set:
MIDI Base Channel to match - for example DevA = CH1, DevB = CH2.
MIDI THRU = ON
Rx MIDI Clock = MIDI IN or AUTO
MIDI PC Rx = ON

For M-Series, enter the Prefs menu and set:
Manual Save
MIDI CH to match your device slot selection, for example DevA = CH1, DevB = CH2.

HX Stomp users please note that the default expression pedal commands send EXP1 or PEDAL1, so you'll need to use this configuration rather than assigning the pedal to a single command.

You can use MULTIJACK = UTIL, then assign J TIP TYP = an unreserved MIDI command if you want to assign the pedal to a single function.

The DMC.micro Looper mode can control the looper in the M9, M13, HX Stomp, or HX Effects. The M5 does not have a looper and is not supported for looper control.

The M9 and M13 loopers are always accessible, and run "in the background" regardless of which scene is selected on the pedal. Simply set the UTIL MOD Y = LOOPER to match the device slot you've chosen for your M-series pedal. For example if your M9 is set to DevB / Channel 2, then set UTIL MOD Y = LOOPER B.

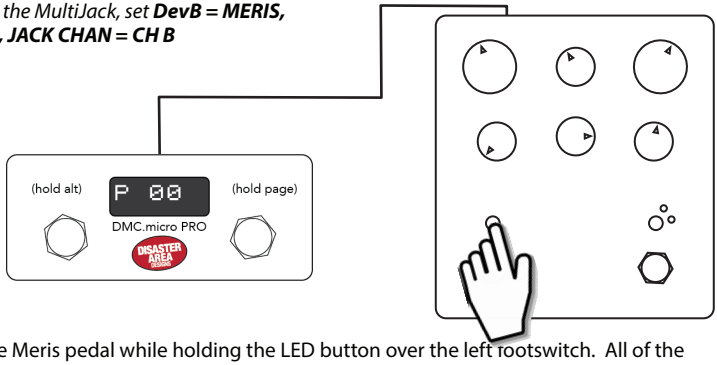
The HX Stomp and Effects loopers require you to have one block of your preset set to the Looper. You'll then need to configure the UTIL MOD Y = LOOPER to match the device slot you've chosen as detailed above. You can use the looper on the HX series regardless of where it is in the patch and whether you're in a mode that allows access to its controls or not.

Meris Setup Guide

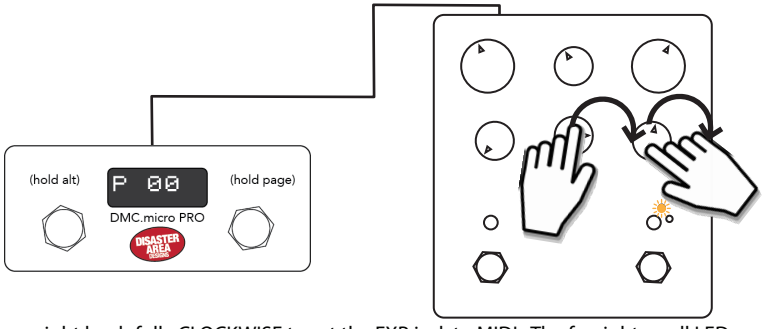
To configure your Meris pedal with DMC.micro, plug in a TRS / mono cable from the MultiJack on DMC.micro to the EXP / MIDI jack on the back of the Meris. Alternatively you can use a 5P-TRS PRO cable to connect from the DMC.micro MIDI port to the Meris EXP / MIDI jack. This configuration will allow you to use the DMC.micro MultiJack to connect to an expression pedal.

Enter Setup on the DMC.micro and configure **MUKTIJACK = MIDI TIP** to connect with TRS cable or **EXP** if you're using a MIDI cable. Set your desired device mode to **MERIS**. Remember to hold the right footswitch to save. Set the DIP switches to ON-ON-ON.

Example: If you want to use a Polymoon as your B device, connected to the MultiJack, set ***DevB = MERIS, JACK = MIDI, JACK CHAN = CH B***

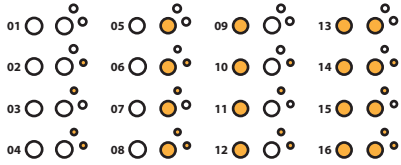


Power on the Meris pedal while holding the LED button over the left footswitch. All of the Meris LEDs will blink three times to indicate that it is now in setup mode.



Rotate the lower right knob fully CLOCKWISE to set the EXP jack to MIDI. The far right small LED will light to indicate MIDI mode.

Rotate the lower middle knob to set the desired MIDI channel - the LEDs on the pedal will light to show the MIDI channel as you turn the knob. *Example: To set the pedal to MIDI channel 2 (DevB,) turn the lower right knob until the lower small LED on the right side is lit.*



Power your Meris pedal off and back on to save the configuration.
Your Meris pedal is now configured!

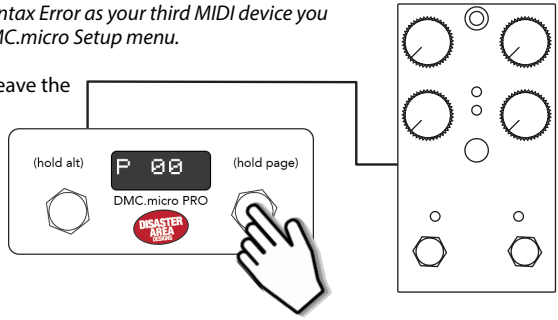
Alexander Neo Series Setup Guide

To configure your Alexander Neo pedal with DMC.micro, plug a TS / mono cable from the MultiJack on the DMC.micro to the MultiJack on the left side of your Neo pedal. Yes, we know they're both called MultiJack, we made them both :)

Enter Setup on the DMC.micro and configure JACK = MIDI TIP / MID.T, then set one or more of your device slots to ALEXANDER / ALEX. Save and exit Setup mode, then make sure that the DIP switches on your DMC.micro are set to ON-ON-ON.

Example: If you want to use a Syntax Error as your third MIDI device you would set DevC = ALEX in the DMC.micro Setup menu.

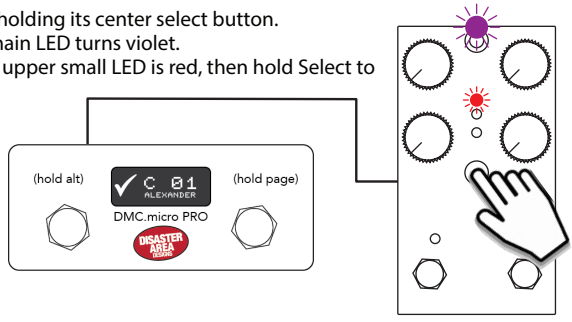
Power the DMC.micro on, but leave the Neo pedal off.



Hold and release the right footswitch on the DMC.micro until the device mode that you want to use is showing.

Example: Navigate to the C device mode - C plus a number will show.

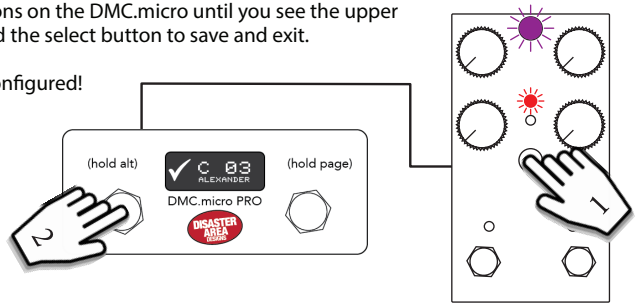
Power on the Neo pedal while holding its center select button.
Release the button when the main LED turns violet.
Tap the center button until the upper small LED is red, then hold Select to save.



Power the Neo pedal off and back on, again holding the center button until the upper LED turns violet.

Tap the left or right buttons on the DMC.micro until you see the upper small LED flash, then hold the select button to save and exit.

Your Neo pedal is now configured!

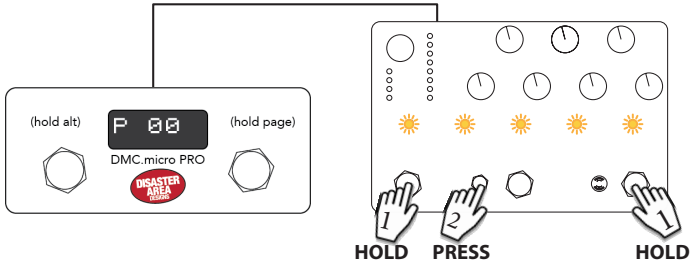


Empress Setup Guide

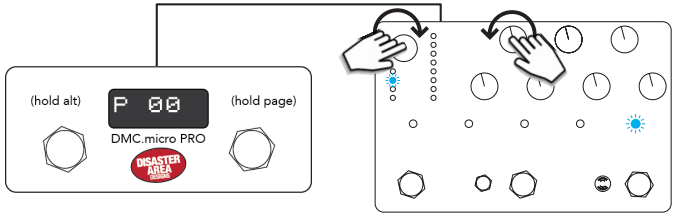
To configure your Empress Reverb or Echosystem pedal with DMC.micro, plug in a TRS / mono cable from the DMC.micro MultiJack to the Control Port on the back of the Empress pedal. Be sure that the MultiJack DIP switches are set to ON-ON-ON.

Enter Setup on the DMC.micro and configure **JACK = MIDI TIP.** Set your desired device mode to **EECO** (Echosystem) or **EMPR** (Reverb.) Remember to hold the right footswitch to save.

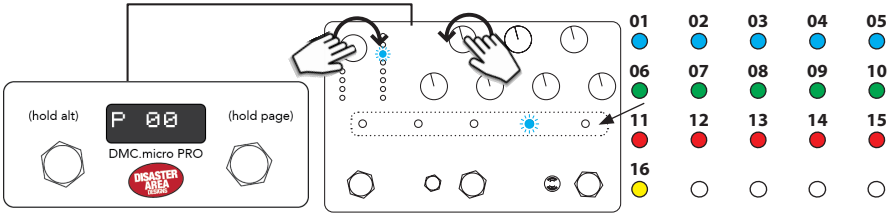
Example: If you want to use an Empress Reverb as your D device, you should set ***DevD = EMPR REVB, MULTIJACK = MIDI TIP, JACK CHAN = CH D.***



Enter the Advanced Configuration mode on the Empress pedal by holding the Select and Bypass footswitches, then pressing the Save button. The preset LEDs on the Empress pedal will blink yellow twice to indicate that you are in Advanced Configuration Mode.



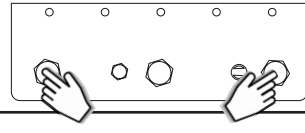
Rotate the mode selector knob until the second mode LED lights (plate or tape) then turn the upper left knob (decay or delay time) until the fifth preset LED lights blue.



Then rotate the mode selector knob to the seventh mode LED lights (ambient swell or ambient,) and then turn the upper left knob to select the MIDI channel. The preset LEDs will light to show the MIDI channel from 1 to 16. *Example: To set the Reverb to MIDI channel 4 (DevD), turn the decay knob until the fourth preset LED lights blue.*

Hold the Select and Bypass footswitches to save and exit Advanced Configuration mode.

Your Empress pedal is now configured!



USB Host Mode Setup Guide

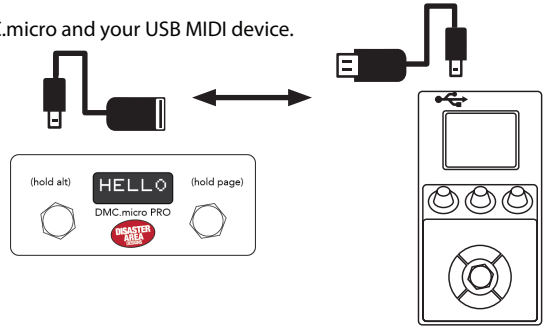
(Zoom, Red Panda, Source Audio)

DMC.micro supports controlling one USB MIDI device on MIDI channel 1. To connect a USB MIDI pedal to DMC.micro, you'll need a USB cable that matches the type on your pedal and a Disaster Area gHOST Adapter Cable.

Enter Setup on the DMC.micro and configure **USB** as **HOST.**
Then set up the A device as a supported device type.
At this time, DMC.micro supports Zoom MultiStomp pedals (MS-50G, MS-60B, MS-70 CDR) as **ZOOM**, Source Audio C4, Spectrum, Ultrawave as **C4,** Red Panda Tensor as **TENS**, or Red Panda Particle v2 as **PRT2**.

*Example: If you want to connect an MS-70CDR, set DevA = **ZOOM** and USB = **HOST.***
Save the configuration and exit.

Power off the DMC.micro and your USB MIDI device.



Plug the gHOST Adapter Cable into the USB port of the DMC.micro.

Plug the USB cable into the USB port of your MIDI device.

Connect the gHOST Adapter Cable to the USB cable.

Configure your USB MIDI device to use **MIDI channel 1.** The Zoom MS series are automatically configured. **Source Audio C4, Spectrum, Ultrawave** devices should also set **Skip USB Power Check** to ON in the Neuro App / Desktop editor.

Power on both devices. The Preset Mode and A device modes should both control your USB MIDI device.

USB HOST MODE TIPS:

DMC.micro can only control ONE USB MIDI device, USB hubs aren't supported.

Only **Device A can use USB MIDI!** If you need additional USB MIDI devices, check out the **micro.ghost** USB MIDI adapter.

USB MIDI devices may be more susceptible to noise pickup than 5-pin or 1/4" devices. We generally recommend either of those connection methods if at all possible.

Alexander Neo Series and Super Series pedals are NOT supported using USB. Please use the 1/4" jacks to control them instead.

If you have to use USB MIDI and are experiencing unwanted noise from your device, make sure that both the DMC.micro and your device are on separate power outputs or supplies.

Custom Device Setup

So what happens if your device(s) aren't supported? Does that mean you can't use them with the DMC.micro?

Not at all! You can use the **GEN MIDI** or **GEN MIDI 2** device driver, which provide basic functionality for devices that don't support full MIDI control. **GEN MIDI** allows you to select programs 0-127, send CC4 over expression pedal, and send CC64 for tap tempo. When you use the Device Mode Bypass command, the DMC.micro will send program 0, so you can set this patch up on your device with a neutral or bypassed setting. **GEN MIDI 2** does the same things but does not send program change 0 for bypass.

GEN MIDI and **GEN MIDI 2** work great for older rack gear, synths, or processors that are designed around MIDI program changes, without a lot of extra controls available. These device drivers will get you going with a minimum of fuss.

Okay, that's great but what if you have a device that *does* support controls for bypass, tap tempo, expression, etc? Maybe it's the hot new pedal and you don't want to wait for us to add support in a firmware update? No problem - create a Custom Device and get playing!

Enter Setup and configure one or more of your device slots as **CUSTOM 1** or **CUSTOM 2** (**CST1 / CST2.**) This will enable the Custom Device menu options in setup. We've listed the configuration items for **CUSTOM 1** but the items for **CUSTOM 2** are arranged the same way.

CUST 1 MIN / C1LO Set this value equal to the *lowest number* preset your device needs. Usually zero.

CUST 1 MAX / C1HI Set this value to the *highest number* preset your device accepts. This varies a lot, for example Meris and Alexander devices max out at 16 but Chase Bliss go to 122.

CUST 1 BYP / C1BP Configure this for the MIDI CC number your device uses for bypass. For example, many devices will use CC22 or CC102 for this number. The DMC will manage the values needed to turn on or off for you.

CUST 1 TAP / C1TT Set this to the MIDI CC number your device uses for tap tempo, if available. CC93 and CC64 are common values.

CUST 1 EXP / C1EP MIDI CC value your device uses for the expression pedal input, if available. You can also set this to any MIDI CC value you like, if you want the expression pedal on the DMC. micro to control a certain parameter on your device.

CUST 1 DSP / C1DS This sets how the Device Mode screen will show the preset numbers for your device. This is purely cosmetic, it just helps to make the DMC display match your device!

0-127 / 0 Presets are displayed starting at 0 and ending at 127
1-128 / 1 Presets are displayed starting at 1 and ending at 128
BANK2 / BN-2 Presets are displayed in banks of 2, ex. 00A, 00B, 01B
BANK3 / BN-3 Presets are displayed in banks of 3, ex. 00A, 00B, 00C, 01A
BANK3.1 / BN3.1 Presets are displayed in banks of 3 starting at 01A.

If your device doesn't support one or more of these commands, set that option to ZERO to prevent the DMC from sending that command.

NOTE: The **CUSTOM 2 / CST2** device is configured identically to **CUSTOM 1 / CST1**, you can set up two different devices. You can also use either device in as many slots as you like - want four copies of **CUSTOM 1**? How about two each of **CUSTOM 1** and **CUSTOM 2**? No problem, go nuts!

Preset Mode

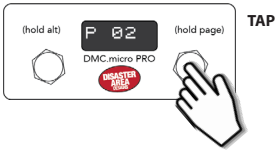
Preset mode is the heart of the DMC.micro. You'll probably spend most of your time here, so we should get to know it!

If your DMC.micro doesn't show "P" plus a number on the display, then long-hold the right button to return to preset mode.

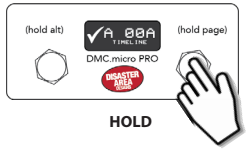
Now that you're in preset mode, try tapping the left and right buttons. You should see the display change to show that you've selected new presets and your connected devices are probably changing their sounds, too! So far, so good, so what's the point?

The point is that preset mode allows you to access any sound on any device, in any combination, all with a single tap of your foot!

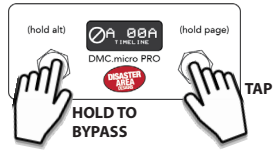
To edit and save a preset, just follow these simple steps:



Tap the left or right buttons to select the preset you would like to edit.

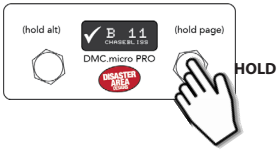


Hold the right button to advance to the first device mode (Dev A).

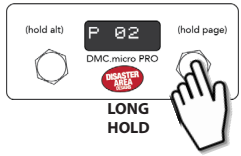


Tap the left or right buttons to select the sound you want to use on the selected device.

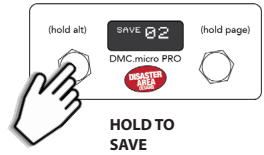
If you want to bypass this device, hold the left button.



Hold the right button to advance to the next device mode and select a new sound.



Repeat until you return to preset mode, or long-hold the right button to go back immediately.



Hold the left button to save the preset!

Preset Mode (continued)

The DMC.micro PRO also allows you to name each preset, for easy identification later. Each preset name is 8 characters and may include upper and lower-case text, numbers, punctuation, and symbols.

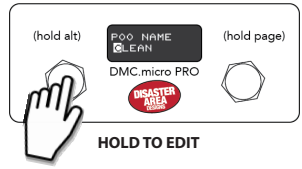
To enable preset names, enter the Setup menu and configure NAME DISP = NAME & NUM or NAME LRG, then save and exit Setup.

NAME & NUM divides the display into two medium-sized lines, one with preset name (8 characters) and one with preset number + clock settings, if applicable.

NAME LRG shows the preset name in large text (7 characters) and the preset number + clock settings in small text underneath.

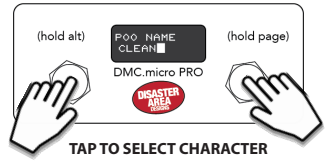
EDITING A PRESET NAME:

Enter Preset Mode and select the preset whose name you would like to change.
Hold the left button to save the preset, and keep it held until NAME EDIT appears on the screen.



HOLD TO EDIT

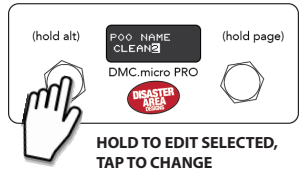
Tap the left or right buttons to select a character to edit, shown by the highlighted cursor on the display.



TAP TO SELECT CHARACTER

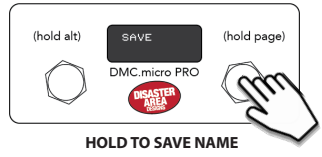
Hold the left button to edit the selected character, the cursor will flash. Tap left or right to change the character.

Hold the left button to stop exiting the current character, then repeat these steps until all characters are correct.



HOLD TO EDIT SELECTED, TAP TO CHANGE

Hold the right button to save the preset name and exit the Name Edit mode.



HOLD TO SAVE NAME

Device Mode

Device mode lets you scroll through all of your connected devices, change their patches / sounds, and bypass or engage them.

It's a quick way to make changes on your pedals, and we also use it to edit the settings for preset mode.

Hold down the right footswitch from preset mode to enter the first device mode (DevA).
If you're already in a device mode, hold the right footswitch to move to the next device mode (DevB, DevC, etc.)

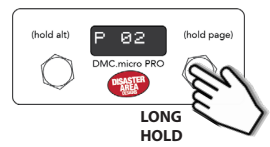
Once you are in device mode, the DMC.micro changes from controlling all of your devices at the same time to controlling only the selected device.

Tap the left or right buttons to select the sound you want to use on the selected device.

If you want to bypass this device, hold the left button.

Hold the right button to advance to the next device mode (Dev B.)

Repeat to edit all of your devices.



Repeat to scroll through all of your remaining devices, or long-hold the right button to go back to Preset mode immediately.

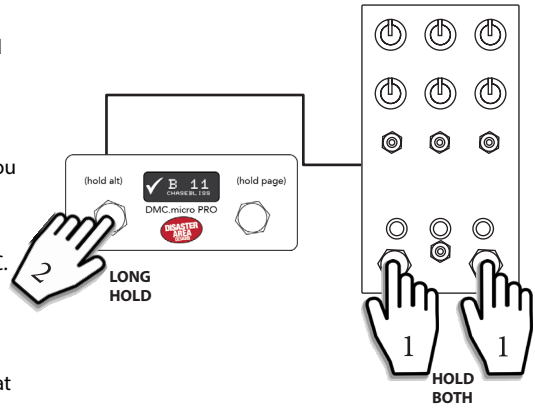
You can also use Device mode to help you save presets on your Chase Bliss Audio or Red Panda pedals.

Select the location of the sound you'd like to save in the DMC.micro Device mode.

Turn the knobs and move the DIP switches on your pedals, and when you get the sound you want, hold both of the footswitches on the pedal.

Long-hold the left footswitch on DMC.micro to send over the MIDI message to save.

The center LED (Chase Bliss) or green LED (Red Panda) will flash to show that it has saved the new sound.

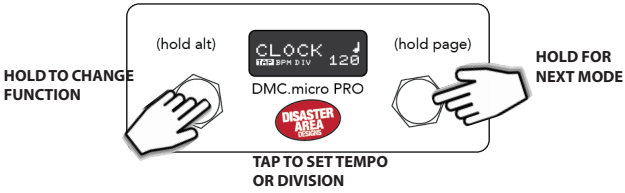


Clock Mode

Clock mode allows you to control the DMC.micro's internal MIDI clock source.

To enable Clock mode, change the **CLOCK MODE / CLK** parameter in the setup menu. **OFF** = Clock mode is disabled. **PRESET/ PRST** = Each preset has its own saved tempo, **GLOBAL / GLB** = the clock will maintain one tempo regardless of the current preset.

Hold and release the right button to step through your available modes until CLOCK / T is shown.



The current clock function is shown by the display or the left LED (LED4 version.)

TAP: Tap the left or right footswitch to set the tempo, hold left to move to the next clock function. The LED4 version will blink the left LED blue in this mode.

BPM: Tap the left or right footswitch to set the tempo by BPM, hold left to move to the next clock function. The LED4 version will blink the left LED red in this mode.

DIV: Tap the left or right button to select the tap division *for the analog tap output only.* The tap division does not affect the master MIDI clock in any way. The LED4 version will blink the left LED violet in this mode.

To stop the MIDI clock, set the BPM to its minimum setting in BPM mode, then tap the left button once more to stop the clock. Tap right or input a new tempo in TAP mode to start the clock again.

The DMC.micro sends MIDI clock, which is a stream of MIDI messages that pedals and other MIDI devices use for timing purposes. If your device doesn't follow the tempo set by the DMC, consult its manual to make sure that MIDI clock is enabled or active. Many devices disable MIDI clock by default, so please check your device manual before emailing support!

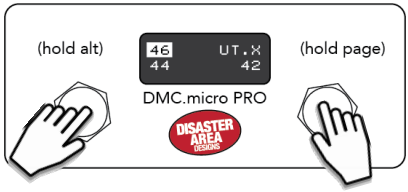
If you have set **CLOCK = PRESET (CLK = PRST)** then the DMC.micro will save the current tempo and division setting to your presets for later recall. Simply set the tempo, then save the preset using the Preset mode save function. The DMC will recall your tempo, division, and clock stop / start state when the preset is next loaded.

To send tap tempo to a non-MIDI device, first configure the MultiJack for normally-open or normally-closed relay operation, and make sure that your DMC.micro DIP switches are set to OFF-OFF-OFF. Consult the MultiJack section on page 22 for more details. BOSS pedals use normally-closed, most other pedals use normally-open but check with the manufacturer if you're not sure.

Once the MultiJack has been configured, connect a suitable cable from your DMC MultiJack to the tap tempo input of your pedal and enter CLOCK mode. Tap a new tempo on the DMC and you should see your device change tempo. If your device doesn't respond, you can try changing the **TAP LENGTH / TLEN** parameter in Setup to a higher value. Many Walrus, Keeley, and Dunlop pedals require longer tap length.

Utility Modes

The DMC.micro features two Utility modes, each of which allows you to send up to three different user-definable MIDI messages to your devices.



TAP TO SEND LEFT MESSAGE

HOLD TO SEND ALT MESSAGE

TAP TO SEND RIGHT MESSAGE

HOLD FOR NEXT PAGE

To use Utility Mode X, enter the DMC setup and configure **UTIL MOD X (UTL.1)** to **ON**.
To use Utility Mode Y, configure **UTIL MOD Y (UTL.2)** to **UTIL Y / UTL.2.**

Although only a single button is shown in the example below, each action in Utility Mode is configured in the same way.

UT X. L TYP / U Lt Utility Mode, Left Button Message Type. This sets the type of message that the left button will send.

ONE: MIDI CC message will be sent with the same value each time the button is pressed.

TOGG: MIDI CC message will be sent with two alternating values when the button is pressed. Also works with MultiJack RLY output mode to toggle output relay

NOTE: MIDI Note on and note off message will be sent when the button is pressed.

b UP: Bank up message will be sent for Strymon devices.

b DN: Bank down message will be sent for Strymon devices.

TAP: Tap tempo CC message will be sent. If the MIDI clock modes are enabled, this will control the clock tempo.

UT.X L NUM / U Ln Utility Mode, Left Button Message Number. This sets the MIDI CC controller number or MIDI note number that the left button will send. Ranges from 0-127.

UT.X L LOW / U LL Utility Mode, Left Button Low Value. This sets the MIDI CC lower number for use with the Toggle message type.

UT.X L HI / U LH Utility Mode, Left Button High Value. This sets the MIDI CC upper value for use with the Toggle message type, or the value sent for the ONE shot message type. Also sets the velocity of the MIDI note sent for the NOTE message type.

UT.X L CH / U LC Utility Mode, Left Button Channel. This sets the MIDI channel or channels that the left button will use to send messages. The channel is indicated with the letters A, B, C. If you wish to send a message to the A, B, or C device its letter must be shown. If a zero is shown in a particular location, that channel will not receive the messages from this button. For example, U LC = AB0 means that the left button in Utility Mode will send MIDI messages to Devices A and B but not to Device C. **Note:** if MultiJack RLY mode is active, a "RLY" option will be shown here. Select RLY to use the current button to control the output relay.

As mentioned earlier, the configurations for the ALT / A and RIGHT / R button messages are identical to the above, as well as the UTIL MODE Y settings.

If one or more of your UTIL actions are set to TOGG, the display will highlight them when they are at the HI value and display them normally when at LO. The LED4 version will light up the associated LED (blue for L and R, red for A.)

Utility Modes (continued)

One of the more popular uses for Utility Mode is to control device functions on the Line 6 HX Stomp. We'll provide an example of a useful configuration below.

Left button: Tap for tap tempo, hold for tuner activate.
Right button: Tap to switch between Snapshot and Preset footswitch modes.

Configure your HX Stomp with MIDI Base Channel 1, then enter Setup and configure the following:

Devices / DEV = Dev A

Device A / DEVA = HX Stomp

Util Mod X = ON

UT.X L TYP = ONE
UT.X L NUM = 64
UT.X L LOW = 0
UT.X L HI = 127
UT.X L CH = CH A

Fires tap tempo command (CC 64.)

UT.X R TYP = TOGG
UT.X R NUM = 71
UT.X R LOW = 2
UT.X R HI = 3
UT.X R CH = CH A

Toggles between Preset (CC72, 2) and Snapshot (CC71, 3) modes.

UT.X A TYP = TOGG
UT.X A NUM = 68
UT.X A LOW = 0
UT.X A HI = 127
UT.X A CH = CH A

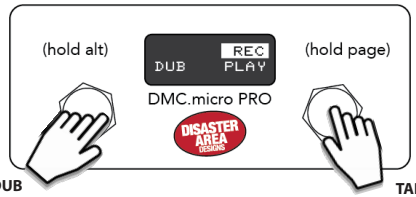
Toggles between tuner off (CC68, 0) and on (CC68, 127.)

Then save and exit setup. Connect your HX Stomp to the DMC using a MIDI cable then navigate to Util X mode. Tap those buttons and see what happens!

UTIL LOAD: The DMC.micro also has the option to save and recall any Utility Mode commands that are configured as **TOGG**. To enable this functionality, set **UTIL LOAD / UT.LD** to either **X, Y** or **BOTH**. The mode(s) configured will save and recall the states for each preset from **PRESET** mode.

Looper Mode

The DMC.micro can also use the UTIL Y mode to control the phrase looper on supported devices.



TAP LEFT TO RECORD / OVERDUB
HOLD LEFT FOR UNDO / REDO

TAP RIGHT TO PLAY / STOP

Enter Setup and configure **UTL MOD Y** to match the device slot of your looper-enabled pedal. For example, if you want to control the looper on your Timeline as Device B, you would configure **UTL MOD Y = LOOPER B**, then save and exit.

The looper mode displays the function of each button on the DMC.micro PRO, or the current state of the looper on the LED4 version.

Supported devices include the Strymon Timeline, Line 6 HX Stomp, HX Effects, M9, and M13, and the Eventide H9 or Timefactor.

MULTIJACK CONFIGURATION

The 1/4" jack on the back of the DMC.micro is our amazing MultiJack. It does a ton of stuff, depending on your needs it can be a MIDI output, an expression pedal input, even a programmable footswitch input!

To configure the MultiJack, enter Setup and navigate to **MULTIJACK / JACK.**

EXP: Jack connects to expression pedal (TRS type required)
FT.SW: Jack connects to single foot switch for tap tempo
N-O: Jack functions as normally-open tap tempo output*
MIDI TIP / MID.T: Jack sends MIDI from tip
MIDI RNG / MID.R: Jack sends MIDI from ring
MIDI T&R / MD.TR: Jack sends MIDI from both tip and ring
MIDI I/O / MD.IO: Jack sends MIDI from tip, receives MIDI from ring
UTIL: Connect dual footswitch to jack OR expression pedal, control functions programmable using UTIL J TIP and RING functions
N-C: Jack functions as normally-closed tap tempo output*
RLY: Jack functions as latching relay output for amp / channel switching*

Then configure **JACK CHAN / J CH** to match the device channels you want the MultiJack to affect. *Options marked with * require DIP switches set to OFF-OFF-OFF. All other settings should use ON-ON-ON.*

Examples:

Expression pedal for all devices: MULTIJACK = EXP, JACK CHAN = CH A B C D

MIDI output to device A: MULTIJACK = MIDI TIP, JACK CHAN = CH A

Send tap tempo to a non-MIDI device: MULTIJACK = N-O (most devices) or N-C (Boss pedals,) DIP switches OFF.

Toggle Amp Channel with presets: MULTIJACK = RLY, UTIL X = ON, U X LT = TOGG, U X LC = RLY, DIP switches OFF.

The MultiJack can also be configured like the Utility Modes, by setting MULTIJACK = UTIL. This will unlock several new setup menu items that correspond to the functions that the jack can perform. We've shown the controls for the tip, the ring has identical values. **If you configure J TIP TYP = EXP,** the jack will only work as an expression input and the ring will be disabled.

Connect a dual momentary footswitch to the jack with a TRS cable, or a standard TRS expression pedal to use the UTIL configuration.

J TIP TYP / J TT: Configures the MultiJack tip in UTIL mode.
ONE: one-shot, message send the HI value each time the button is pressed.
TOG: toggle, message toggles between high and low when the button is pressed.
RTN: sends the HI value followed by the LO value when the button is pressed.
NOTE: sends a MIDI note when the button is pressed.
B UP: sends the bank up command for Strymon devices
B DN: sends the bank down command for Strymon devices
TAP: sends tap tempo commands or controls the Clock mode rate
EXP: turns the MultiJack into a programmable expression pedal input

J TIP NUM / J TN: sets the MIDI CC number the jack sends
J TIP LOW / J TL: sets the low value the jack will send
J TIP HI / J TH: sets the high value the jack button will send
J TIP CH / J TC: sets the device slots the button / pedal will send on

Example:
Expression pedal sends CC17 to Device A: MULTIJACK = UTIL, J TIP TYP = EXP, J TIP NUM = 17, J TIP LOW = 0, J TIP HI = 127, J TIP CH = CH A.