



DMC-3XL Gen3 DMC-4 Gen3



User Manual
v1.60

Revision History:

v1.60

removed tap polarity menu option
 replaced with N-O and N-C options for MultiJack
 added in UTIL mode similar to DMC.micro
 added UTIL option to MultiJack, allows sending any CC
 Looper mode now independent of D device mode, both are allowed at the same time
 Added support for Riverside, Sunset, Zoia, C4 / Spectrum, Tensor, Particle V2
 Changed preset access on C4
 added FAV2 for MultiJack, load a second favorite preset

v1.51c

Fixed an issue with Ch16 not saving / loading properly with FAVE
 increased button read times
 Updated device list

v1.51b

Increased analog input scan delay
 Updated device list

v1.50a - 11/16/18

Added support for several new devices
 Added supported device table

v1.50 - 9/10/18

Added SET LIST mode

v1.04f - 8/11/17

Added INT mode
 Added "DC" option to scrolling mode
 Added MIDI output as option for expression port
 Added MIDI thru = OFF to setup menu
 Added memory protect PROT option

v1.03b - 11/21/16

- * Added JACK / TOGGLE as device for channel switching
- * Fixed an issue with selecting USB HOST or MIDI if clock is enabled
- * Fixed an issues with saving names if FOUR is selected

v1.03a - 10/25/16

- * Fixed an issue with the DD-500 tap tempo
- * Added DD-500 configuration info

v1.03 - 10/19/16

- * Rewrote and re-ordered sections
- * Added USB Mode configuration - user may now select USB MIDI or HOST in setup menu.

v1.02e - 10/10/16

- * Added section for MultiJack configuration

v1.02d - 9/29/16

- * Added MIDI Note as device! fun stuff for Ableton people
- * Fixed an issue with tap / clock not working on the 4th button in some cases

v1.02c - 9/15/16

- * Changed bypass indication

v1.02a - 9/08/2016

- * Added MIDI SysEx dump functionality
- * Added GLOBAL BPM clock mode, renamed existing clock modes
- * Fixed an issue with MIDI receive over USB
- * Fixed an issue with the M5 / M9 / M13 tuner
- * Added support for Zoom MultiStomp MS-50G, MS-60B, MS-70CDR
- * Added MIDI CC receive for tap tempo
- * Added preset naming
- * Fixed an issue displaying presets huger than 99

v1.01b - 08/19/2016

- * Added support for the Source Audio Nemesis delay
- * Fixed an issue using expression input for bank down switch
- * Fixed an issue sending MIDI clock stop
- * Changed the expression config to make sure we send on the D device
- * Added checks to ensure MIDI was sending out the MultiJack for the D device if present
- * Fixed an issue with Preset Clock mode not working with 0.5 BPM increments

v1.01a - 07/22/2016

- * Fixed an issue with looper stop mode not working correctly
- * Added config menu for tap tempo channel
- * Allowed tap tempo menu to only tap to selected devices
- * Fixed an issue with sending MIDI clock on exiting setup
- * Added config menu for preset channel selection
- * Added ability to turn off LEDs for unused preset channels
- * Fixed an issue with the Echolution 2 bypass command

v1.01 - 07/14/2016

Removed prerequisite for Serial port in USBHostMIDI library
 Added potential for two additional Chase Bliss / Serial outputs
 Fixed an issue with sending FREEZE commands
 Added ability to load last used preset
 Added configuration for CC mode!
 Added ability to send MIDI notes in CC mode
 Added prevModel() function
 Changed tap LED to normally OFF
 Added Bank Down destination for 4th button and Expression Pedal
 Added Whammy V Classic and Chords mode

v1.00

Initial Release

1. Introduction

Thanks for purchasing a Disaster Area Designs DMC-3XL / DMC-4 Gen3 controller. We've worked hard for the last two years developing and refining our MIDI controller technology, and we've incorporated suggestions from players all over the world. The Gen3 controllers have more features, more functions, and more connectivity than any of our previous controllers. In this manual we'll cover the operating modes, setup, and use of the Gen3 controllers. Have fun!

The DMC-3XL and DMC-4 Gen3 are compact MIDI controllers designed to interface with a wide variety of musical equipment. Up to four MIDI devices may be controlled by the Scrolling and Preset modes, for program selection and recall. The Preset mode may also control a fifth MIDI device with the capability for MIDI learning, such as the Disaster Area DPC-8EZ or DPC-Jr.

If your MIDI device is equipped with a phrase looper / loop recorder mode, the DMC Gen3 may be able to control it. Looper modes for the Strymon Timeline, Line 6 M9 / M13, and Eventide H9 are supported in v1.00b. Boss DD-500 and Pigtronix Infinity looper support is planned for a future update.

The DMC Gen3 controllers can also serve as a pedalboard clock source. The Tap and Clock modes serve to select preset beats-per-minute (BPM) tempo and the DMC will send these clock signals out using a combination of MIDI and tap tempo output to a variety of compatible devices.

2. Big changes in v1.60

We've added some great new features in the v1.60 update. If you've just updated, please read through this section to familiarize yourself with the changes.

Looper Modes now independent of DevD mode.

In previous firmware versions, the DMC-3XL and 4 could have either a fourth MIDI device *or* the looper modes. Starting with v1.60 we have split the assignments for these modes, allowing you to access both DevD *and* the looper modes if you wish.

UTIL MODE now replaces CC MODE.

We've ported over the Utility mode from our popular DMC.micro, and added some additional controls. You can now configure the left and right buttons to send both a TAP action and a HOLD action.

Changes to the MultiJack configuration.

We've replaced the TPOL (tap polarity) menu item with N-O (normally open) and N-C (normally closed) options for the MultiJack. We've also added in a new item, FAV2 - this allows you to define a second FAVORite preset accessible with a momentary footswitch connected to the MultiJack.

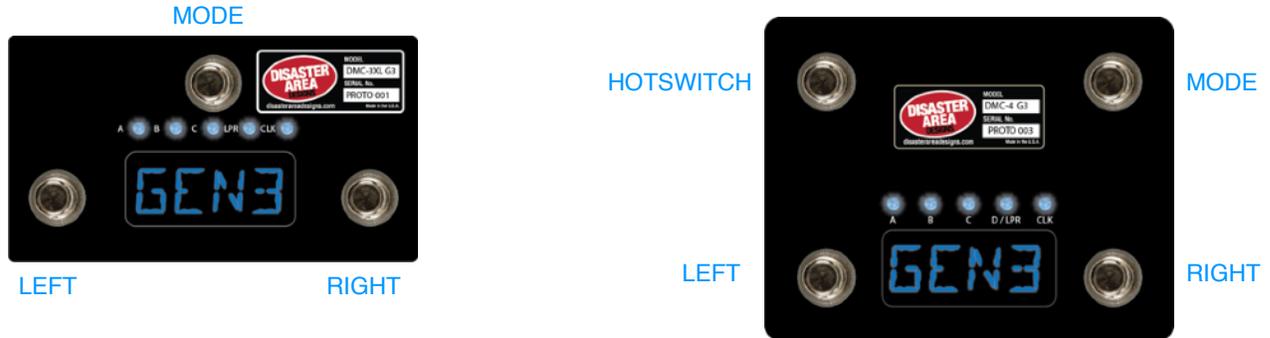
New device support.

Finally, we've added device support for the Empress Zoia, Strymon Riverside and Sunset, and the Source Audio C4 and Spectrum. C4 and Spectrum users should note that we are using MIDI CC messages to select presets on these devices, to work around the program change issues inherent in those pedals.

2. Controls and Connections

CONTROL PANEL

The DMC-3XL and DMC-4 Gen3 share the same basic controls - LEFT, RIGHT, MODE footswitches. The DMC-4 features an additional footswitch that is globally assignable - the HotSwitch.



The DMC Gen3 controllers feature a four-character alphanumeric display and five LEDs. The LEDs indicate the bypass status of the connected MIDI devices, the looper record / play state, and the tap or clock pulse.

REAR PANEL



MIDI Output: Standard 5-pin MIDI output, connects to your first MIDI pedal input.

MIDI Input: The MIDI output jack doubles as a MIDI input using a Disaster Area MIDI Y-cable (sold separately.) The MIDI input allows the DMC Gen3 to accept incoming MIDI messages and merge them in with its own data stream.

Expression Input: The black jack is a multi-function connector that can accept an expression pedal or a momentary footswitch. Consult the Expression section for more details.

DC 9V: Standard DC power supply input, 9V center negative. The DMC Gen3 requires approximately 80mA if used by itself. If an external USB HOST device is connected, the DMC will need to be supplied with enough current to power both itself and the USB device.

USB MIDI: The DMC firmware allows the USB port to function as a MIDI interface for your compatible PC, Mac, or iPad (using the Apple Camera Connection Kit.) The DMC will receive and send MIDI messages over USB for device control.

USB HOST: If the USB Host mode is enabled, the DMC USB port may be used to send and receive MIDI messages to supported USB devices. **Please note that USB HOST support requires the use of our gHOST Adapter cable.**

Status Indicator: This is just a little LED that blinks to let you know the pedal is working. It also blinks at a slower rate to indicate that the pedal is in boot loader mode during a firmware update.

MultiJack: The red or white connector is our astounding MultiJack! The MultiJack can do all kinds of cool stuff, like receive expression or tap tempo, send taps to your devices, or even send MIDI to additional devices.

3. Getting Started with MIDI

MIDI might seem kind of intimidating or frustrating at first, but it's really not too complicated. MIDI stands for **Musical Instrument Digital Interface**, and it was created way back in the 1980's as a method for synthesizers to talk to each other. Today, we can use it for linking synths, effects units, computers, drum machines, samplers, pedals, and more.

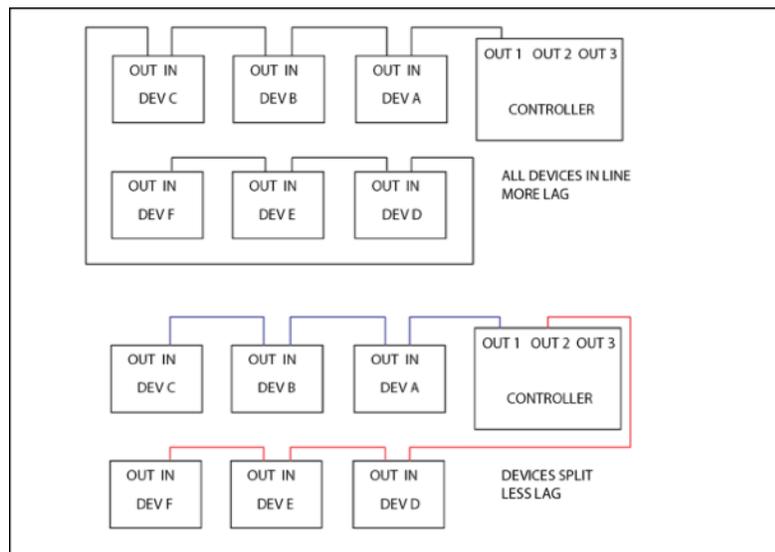
MIDI units come in two basic types - controllers and devices. The DMC-3XL / 4 Gen3 is a controller, so it sends out commands to the gear on your pedalboard. Your Timeline, BigSky, H9, etc. are devices, so they receive commands and change in response to them. With me so far? Good!

MIDI gear is linked by some kind of hardware connection, usually a five-pin cable with a big round plug on each end. Sometimes devices can accept MIDI over a USB connection or using a non-standard connector like a 1/4" plug. Generally you can link up multiple devices in a daisy-chain kind of like you'd do with regular pedals, by connecting the MIDI OUTPUT or THRU of the first device to the MIDI INPUT of the second device and so on. There are some devices that won't re-transmit MIDI, or that will mangle / interfere / drop messages, so sometimes you have to get creative with your routing.

Each MIDI device receives commands on one or more MIDI *channels*, and the standard MIDI specification allows for up to 16 channels to be transmitted on the same cable. Sometimes, devices can receive on *any* channel they see (that's called Omni) but usually they'll be set to listen to only a single channel.

The DMC series are designed to transmit commands to lots of devices - up to seven at the same time, and we send out commands to each device on its own MIDI channel. Again, the same cable can carry all of those commands so that makes it a bit more convenient for us when we're putting together a pedalboard or rack system.

One important thing to consider - the more MIDI devices you have chained end-to-end, the greater the chance that your MIDI communication will be slow or unreliable. We call this "MIDI lag," and it's a bummer. To get around this, you can use a controller with multiple MIDI outputs or a hardware MIDI Thru box to split your MIDI signal to two or more short chains.



Please note that the order that you plug your MIDI devices in does not have to be the same as the order you plug their audio cables!

4. Setting up the DMC Gen3

Now that we have an idea of what MIDI is for, and what it can do, let's get your rig set up!

The first thing you should do is connect your devices to the DMC Gen3 using MIDI cables. If you have a short MIDI chain (4 or fewer devices) then you should be able to daisy-chain your gear as shown in the first picture above (ALL DEVICES IN LINE.) If you are connecting a device that doesn't have a MIDI output then you may need to place it at the end of your MIDI chain. Some devices that have MIDI INPUT only include the Digitech Whammy, Source Audio Programmable EQ and Soundblox Pro, Alexander Super Radical and Oblivion, EHX 8-Step Program, Boss Slicer, etc. Other devices such as the Line 6 M5 / M9 / M13 have a MIDI OUTPUT jack but don't pass through incoming MIDI and so can't be used in the middle of a daisy-chain. You can either connect these at the end of your MIDI chain or use one of the DMC Gen3 MultiJack connectors as a second MIDI output for that device.

Once you have your cables connected, you should set up the DMC Gen3 using its setup menu. The setup menu is pretty comprehensive, and it has a lot of options. We'll focus on the basics in this section, but you can consult the Setup Menu section at the end of the manual for the full details.

To enter the setup menu, power the DMC Gen3 on and wait until you see "Gen3" on the display, then hold the left and right buttons. When the display scrolls "SETUP" release the buttons. Once you are in the setup menu, tap the left and right buttons to select from the available menus and tap the SAVE button to enter / exit the menus. Once you're inside a menu, you can tap the left and left button to change the menu options. When you're done, hold SAVE to save the setup and start using the controller.



Here's how to set up your devices: Enter setup as described above. The first menu you'll see is PRST, which allows you to select the number of available presets in Preset Mode. It's set to 12 by default, and we'll leave it alone.

Tap the B button until you see SCRL. This tells the controller how many MIDI devices you want to connect. By default it's set to SA00, which tells the DMC that you have only one device hooked up. If you happen to have just one MIDI device to connect, then you can skip the next part. Otherwise, tap the mode button to edit the SCRL menu. Once inside, tap the left or right buttons to turn on the additional devices - you'll see the zeroes change to B and C as the additional devices are activated.

Once you have the correct number of devices set, tap the mode button to exit the SCRL menu. Tap right until you see DevA. This is the Device Selection menu for the Device A. By default it's set to control a Strymon Timeline, but you should set this to match the device you've got connected. Tap mode to edit this menu, and you'll see the device name scroll on the display. Tap left or right to cycle through the available devices. Most are self-explanatory but there's a list of all the devices at the end of the manual. Once the DevA device matches what you have connected, tap SAVE to exit this menu. Repeat for all of the devices you have hooked up. You can leave any devices that you don't have connected alone, no need to change them.

There are a lot more setup options in the menu, but for now we will leave them set to defaults. Hold the mode button to store the configuration.

Each time you tap the Mode button, the DMC Gen3 will advance to the next available mode. You can turn the modes on and off in the Setup menu, but for now we'll run with what we've got: PRESET, one or more SCROLLING, LOOPER, and TAP / CLOCK modes active. Once we get your devices set up, we'll cover each mode in detail.

5. Setting up your MIDI Devices

Finally, you'll need to set up each of your devices in order to make sure that they operate correctly. Mainly you need to set them up to receive on the correct MIDI channels, but there are a few other parameters you may need to adjust to ensure full control.

STRYMON

Strymon devices need to be configured correctly in order to pass incoming data through to the next device in line. They also need to be set up in order to maintain bypass "trails" and to use the Timeline looper.

Strymon Timeline: Enter the Globals menu and configure as follows:

| | |
|-------------|---|
| MIDITH ON | MIDIPA OFF |
| MIDICT OFF | MIDICH (Must match device selection - 1 for DevA, 2 for DevB, etc.) |
| MIDICL ON | MC SWP OFF |
| LPEXIT PLAY | BYPASS BUFBYP |

Strymon Mobius and BigSky: Enter the Globals menu and configure as follows:

| | |
|---|---|
| MIDITH ON | MIDIPA OFF |
| MIDICT OFF | MIDICH (Must match device selection - 1 for DevA, 2 for DevB, etc.) |
| BYPASS BUFBYP (recommended for BigSky, optional for Mobius) | |
| MIDICL ON | Mobius, OFF BigSky |

EVENTIDE (H9, SPACE, TIMEFACTOR, MODFACTOR, PITCHFACTOR)

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 CHANNEL 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 |

LINE 6 (M5, M9, M13)

Line 6 devices must have their MIDI channel assignments set to match device selection - 1 for DevA, 2 for DevB, etc. Enter the pedal's PREFS menu, the MIDI settings are found on the second page. Additionally, ensure that the MNL SAVE / AUTOSAVE is set to MNL SAVE. This will prevent the DMC Gen3 from messing up the bypass states of your scenes.

CHASE BLISS AUDIO

Chase Bliss devices must be set to receive on the correct channel in order to operate with the DMC Gen3:

Set up the desired device Chase Bliss / CBA in the Setup Menu.

Save the settings and boot the DMC normally.

Hold the A button to enter Device Mode.

Tap the SAVE button until the device you've set up for CBA is displayed.

Make sure that the LED for the current device is lit. If it's off, hold the TAP / DOWN footswitch until it lights up.

Connect the Chase Bliss pedal or pedals to the MIDI chain using the Chase Bliss modified MIDIBox using a standard MIDI cable and TRS cable. Make sure that the MIDIBox is receiving power.

Power on the Chase Bliss pedal while holding its TAP and BYPASS footswitches down.

Tap the A or B footswitch on the DMC to send a program change message to the Chase Bliss pedal. The CBA pedal should now respond to program change, bypass, and tap messages correctly.

BOSS DD-500

Most of the default settings for the DD-500 are correct, but you will have to set up a few things to get the DD-500 to talk to the DMC Gen3. The DMC Gen3 sends the MIDI command to activate CTL1 when its Tap Tempo is activated, and CTL using the Performance Switch / Latching command.

To set the DD-500 to receive on a channel other than 1 (default) press Edit to enter the Edit menu.

Navigate to MIDI, then set Rx CHANNEL to the desired setting. If you want the DD-500 as the "B" device, then this should be set to 2, "C" device is 3, etc.

Ensure that PC IN and CC IN are both set to ON. The remaining settings should be correct.

To set up the DD-500 to receive tap tempo, press Edit to enter the Edit menu.

Navigate to CONTROL, then set CTL1 Func to TAP.

Set CTL1 PREF to SYSTEM to enable tap tempo in all presets.

DISASTER AREA (DPC-8EZ, SMARTCLOCK, SMARTLOOP)

If you are connecting to a Disaster Area DPC-8EZ, SMARTClock, or SMARTLoop, the DMC Gen3 can automatically set them to the correct MIDI channel. Follow the instructions in the DPC or SMARTPedal manual concerning **AutoConfig**.

If you are connecting to one of the above Disaster Area devices please note that the DMC Gen3 sends a large number of MIDI messages especially when the Preset and Global Clock modes are active. We recommend you connect the DPC and SMARTPedals last in the MIDI chain, or that you use a TRS to MIDI cable from the MultiJack. If using the MultiJack, we recommend you set the Jack Channel to J000, which will filter out MIDI clock messages and prevent them being sent to DPC or SMARTPedals.

If you are connecting to a Disaster Area SMARTClock, set the SMARTClock CHAN to 16 in its setup menu and disable the Preset and Global Clock modes on the DMC Gen3. If the Tap Tempo mode is enabled, you can tap tempos to the SMARTClock from the DMC Gen3.

6. Scrolling Mode

Scrolling Mode allows you to change presets and bypass your connected devices. It's also used for editing the programs Device Mode Controls:



LEFT: Decrease the preset for the current device by one.

Hold to fast-scroll down.

RIGHT: Increase the preset for the current device by one.

Hold to fast-scroll up.

MODE: Tap to select the next available device. Hold to save the current settings to a preset.

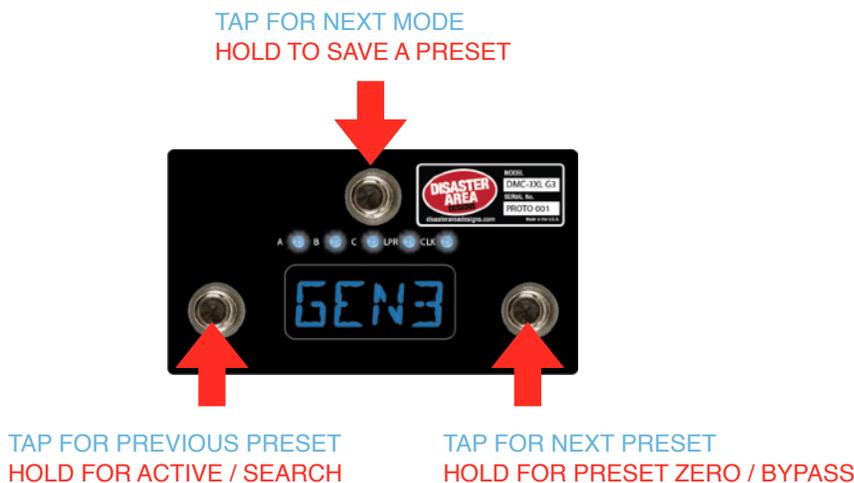
The display will show the selected device (first character, A-D) and the program number (varies by device.) If you scroll the DMC down below the lowest program number, the characters "dc" will show on the display. When the DMC is showing "dc" in a particular scrolling mode, that means that the current program is set to "don't change." This is useful for Preset Mode, because you can now create a preset on the DMC that will change some devices but not others. The DMC *will* send the bypass or engage commands even if the scrolling mode is set to "don't change."

Scrolling Mode Tips:

The Scrolling modes are designed for manually changing settings on your MIDI devices. Scroll around until you find a sound you like, then move to the next device and do the same. When you've got all of your devices set where you like, you can save all of those programs to a combined preset for instant access later. Please consult the Preset Mode section for details on saving presets.

7. Preset Mode

Preset Mode allows you to recall and save presets on the DMC Gen3. Accessing a preset in this mode can change the programs on any or all of your connected devices, as well as changing the tempo / BPM, and sending commands to a loop switcher such as the DPC-8EZ.



Preset Mode Controls:

- LEFT: Tap to select the previous preset.
Hold to enter Active / Search Mode
- RIGHT: Tap to select the next preset.
Hold to load preset zero / bypass all devices.
- MODE: Tap to advance to the next mode.
Hold to save the current Scrolling Mode settings to a preset

Active / Search Mode:

Normally the DMC Gen3 will activate each program as you advance through its presets. For example, if you wanted to move from preset 4 to preset 9, you would tap the right button 5 times. Each time you tap, the DMC Gen3 will load the next preset, causing your sound to change as you move through these presets. If you're not playing, or if you're between songs this probably isn't a big deal, but if you're in the middle of something it might be a bit distracting! Active / Search mode allows you to advance to any preset without engaging the "in-between" sounds. Here's how you do it:

- Hold the left button in Preset Mode. The DMC will enter Search mode and the display will start blinking.
- Tap either left or right until the desired preset is shown on the display.
- Hold the left button again. The DMC will enter Active mode and the display will stop blinking.
- The DMC will load your preset and you're ready to go!

Preset Bypass / Preset Zero:

We wanted to give you an easy way to bypass all of your devices at once, so that you could always access an unaffected tone. We used to call this "Preset Bypass," and it was present on our Gen2 controllers. But then hundreds of you emailed us saying "I never want a totally clean tone! Preset Bypass is useless to me, what I need is another preset I can always get to!" OK, you got it! We've changed Preset Bypass into Preset Zero, and it works like this:

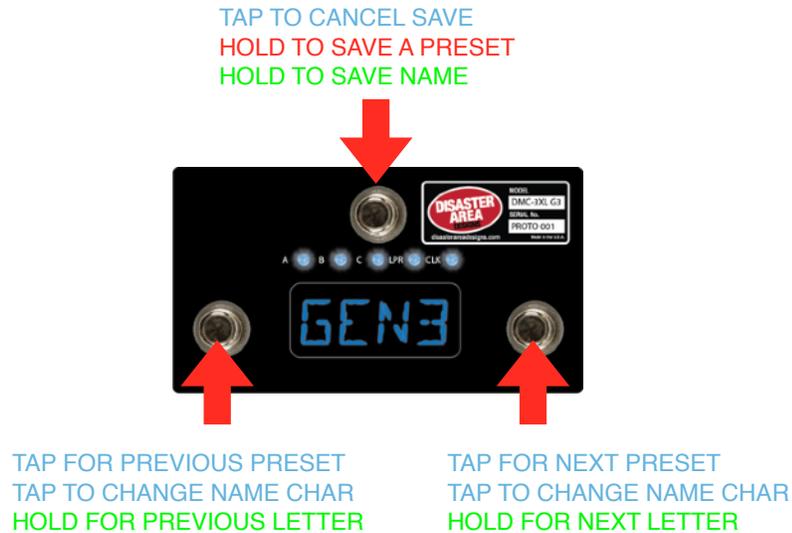
- Hold the right button in Preset Mode. The DMC will load up preset zero, which is set by default to bypass all of your devices.
- You will notice that the decimal points in the display turn off, as will the device LEDs above the display. This shows that we are currently using preset zero.
- Tap left or right while using preset zero to select another preset, but it won't load until you hold the right button again to exit preset zero. You can use preset zero as a dedicated bypass sound, or you can overwrite it with any combination of sounds from your devices. In this way, you can use it either as a bypass or as a favorite preset!

8. Saving a Preset

1. Use Scrolling Modes to select the programs and set the bypass state for each of your connected devices.
2. Navigate to Preset Mode and hold the mode button to begin the save process.
3. Tap the left or right buttons to select the number of the preset to save.
4. Hold the mode button to save the preset to the selected location.

(Optional) If Preset Names are selected in the DMC Gen3 Setup

6. Hold the left or right buttons to move to the previous / next letter in the preset name. 8 letters are available for each preset.
7. Tap the left or right buttons to change the currently selected character in the preset name.
8. Hold the mode button again to save the name and the preset.



Preset Mode Tips:

You may cancel a preset save at any time by *tapping* the mode button.

To overwrite Preset Zero, tap left or right until P00 is displayed on the screen. Then save normally.

9. Set List Mode

New in v1.50, the Set List Mode allows you to quickly re-arrange your presets in order to play your songs in the right order during live performance.

Set List Mode is pretty simple - tap the right button to go to the next song, tap the left button to go to the previous song. Hold the center button to edit the set list.



The Set List will wrap around at the end of your set, so that you'll never accidentally engage unwanted presets.

To edit a set list, hold the center button. The display will start flashing with the current Set List Position (for example, S 01 is the first song in the set.)

Tap the left or right button to select a different song in the set list.

Tap the center button to edit the current song. The display will change to show the preset name or number.

Tap the left or right button to select a different preset.

Tap the center button to return to the set list selection.

When you have input all the songs in your set list, navigate to the next highest song position in the set and set its preset to "END."

HOLD the center button to save the set list.

Now when it's time to play, just tap the buttons left and right to navigate through your set!

The DMC display will show the preset number or song number depending on how you have set the NAME parameter in Setup.

Important note - the DMC will stop the set list and wrap around when it encounters the first preset set to "END." We recommend that you check each song position in your set before saving, to ensure that your set list doesn't wrap around / reset in an unwanted position.

Set List Mode does not overwrite or change your presets in any way, it just allows you to recall them in different orders.

9. Looper Modes (L1, L2, L3)

The Looper Modes allows you to control the loop recorder / phrase looper on supported devices. At this time, the DMC Gen3 supports looper control of the Strymon Timeline, Eventide H9 and Timefactor, and Line 6 M9 / M13. Please note that in order to use the Eventide H9 or Timefactor looper you must first set up a preset on the Eventide pedal with the Looper algorithm selected. Once that preset is activated, the Looper Mode will be able to control the Eventide pedal.

The DMC-3XL / DMC-4 Gen3 have three available Looper Modes, and if you don't use the looper in any of your devices you can disable it in the Setup menu. Starting in v1.60 you can now assign both the looper modes AND the Device D mode.

Looper Mode L1 = This is the most basic looper control mode, and it drives the Looper Transport functions.

Left: **Record / Overdub / Play**. Tapping this button will start the loop recording. Tap again to set the loop length and begin overdubbing. Tap again to stop overdubbing and enter playback. You may tap this button at any time while the loop is recording to overdub additional parts.

Right: **Play / Stop**. This button has two options, as set in the Setup menu.

If **LSTP** is set to **STOP** in the Setup menu, pressing this button will stop the looper immediately if the loop is playing. If the loop is recording or overdubbing, pressing this button will cause the loop to play.

If **LSTP** is set to **PLAY** in the Setup menu, pressing this button will cause the loop to *retrigger* the loop if the loop is playing. If the loop is recording or overdubbing, this button will cause the loop to play. **Holding** this button will cause the loop to stop.

Mode: Tapping this button advances to the next available mode.

Hold to trigger the loop Undo / Redo function.

Looper Mode L2 = This is the Looper FX mode, controlling the special looper functions.

Left: **Reverse**. Tap this button to change the loop direction.

Right: **Half-Speed**. Tap this button to change the loop speed / octave.

Mode: Tap this button to advance to the next mode.

Hold to toggle the looper pre / post function - consult your looper manual for details on this function.

Looper Mode L3 = This is the Looper Volume mode, controlling the output level of the looper.

Left: Tap to decrease looper volume.

Hold to fast-fade looper volume down.

Right: Tap to increase looper volume.

Hold to fast-swell looper volume up.

Mode: Tap to advance to the next mode.

10. Tap and Clock Mode

The DMC Gen3 now supports a full-featured tap tempo and MIDI clock controller, integrated with the Preset Mode.

Enabling Tap and Clock Modes allows the DMC Gen3 to send MIDI clock signals to connected devices, as well as to optionally send taps using MIDI CC messages and / or analog taps from the MultiJack. **Please consult the MultiJack section for details on how to send tap tempo out to your non-MIDI devices.**

In the Setup Menu, there are five options for Tap and Clock Mode, each with different levels of functionality so that the user can decide the type of tempo control. The Clock Mode controls are as follows:

| Mode | Left Button | Right Button | Center Button (hold) |
|---------------------------|--------------------------|--------------------------|---|
| t OFF | Not available | Not available | Not available |
| t TAP (TAP TEMPO) | Tap Tempo | Tap Tempo | Not Available |
| t PST (PRESET MIDI CLOCK) | Decrease BPM by 0.5 or 1 | Increase BPM by 0.5 or 1 | Change Subdivision (quarter / dot 8th / 8th / triplet) |
| t GLB (GLOBAL MIDI CLOCK) | Start / Stop MIDI clock | Tap Tempo | Change Subdivision (quarter / dot 8th / 8th / triplet) |
| t BPM (GLOBAL MIDI CLOT) | Decrease BPM by 0.5 or 1 | Increase BPM by 0.5 or 1 | Change Subdivision (quarter / dot 8th / 8th / triplet) |

In the CLOCK modes, the DMC Gen3 will send out MIDI CLOCK messages. MIDI Clock is a special type of MIDI message that is designed to synchronize all of your MIDI gear. Most MIDI devices support some type of clock signal, check in your device manual for details. You may find this type of message referred to as "MIDI Beat Clock," but it's the same thing.

If you instead select TAP for the Clock Mode, the DMC Gen3 will send out MIDI CC messages as taps to your devices. Some devices don't play well with a clock signal, so you may want to use this option instead.

All of the Clock Modes are pretty similar, you get a couple of buttons that either tap or nudge the BPM up / down. The real difference is what we do with the tempo for each preset. Consult the chart below to see exactly what kinds of messages are sent, and how the BPM responds for each preset.

| Setup Menu Option | Description | How is the tempo set? | What kind of messages does the controller send? | Does the BPM change with each preset? |
|-------------------|--|--|---|---------------------------------------|
| t OFF | Clock mode is disabled | Tap tempo inputs (EXP, MULTI, 4th button) | MIDI CC messages Tap out from MULTI* | No |
| t TAP | Clock mode is set to TAP TEMPO | Tap the controller in TAP mode. Tap tempo inputs (EXP, MULTI, 4th button) | MIDI CC messages Tap out from MULTI* | No |
| t PST | Clock mode is set to PRESET MIDI CLOCK | Tap tempo inputs (EXP, MULTI, 4th button) Set BPM directly on the controller (scroll left and right to decrease / increase BPM) | MIDI Clock Tap out from MULTI* | Yes |
| t GLB | Clock mode is set to GLOBAL MIDI CLOCK | Tap the controller in TAP mode. Tap tempo inputs (EXP, MULTI, 4th button) | MIDI Clock Tap out from MULTI* | No |
| t BPM | Clock mode is set to GLOBAL MIDI CLOCK | Tap tempo inputs (EXP, MULTI, 4th button) Set BPM directly on the controller (scroll left and right to decrease / increase BPM) | MIDI Clock Tap out from MULTI* | No |

11. Utility Mode

What happens if our powerful Preset and Scrolling Modes don't offer the control you need? Easy - you program in the messages you need to send using the Utility Mode!

To enable Utility Mode, go into the DMC setup menu and configure UTIL = ON. You'll also find several other setup values starting with the letter U, which configure the messages that each footswitch sends.

Left footswitch press:

- U LT** - sets message type
- U LN** - sets message CC number or note number
- U LL** - sets message low value
- U LH** - sets message high value
- U LC** - sets message channels

Right footswitch press:

- U RT** - sets message type
- U RN** - sets message CC number or note number
- U RL** - sets message low value
- U RH** - sets message high value
- U RC** - sets message channels

Left footswitch hold:

- U AT** - sets message type
- U AN** - sets message CC number or note number
- U AL** - sets message low value
- U AH** - sets message high value
- U LC** - sets message channels

Right footswitch hold:

- U BT** - sets message type
- U BN** - sets message CC number or note number
- U BL** - sets message low value
- U BH** - sets message high value
- U BC** - sets message channels



Message Types:

- ONE** - pressing or holding the button sends the HIGH value once. Often used for tap tempo or single parameter select.
- TOGG** - pressing or holding the button alternates sending the HIGH and LOW values. Often used for bypassing or engaging.
- RTN** - sends the HIGH value then immediately sends the LOW value. Useful for simulating footswitch presses.
- BNK+** - Sends MIDI Bank UP for large-box Strymon pedals.
- BNK-** - Sends MIDI Bank DOWN for large-box Strymon pedals.
- NOTE** - Sends a single MIDI note with velocity equal to the HIGH value.
- TAP** - sends the MIDI tap messages as configured in the device mode settings.
- MOM** - sends the HIGH value when the button is pressed and LOW value when the button is released.
note that only the PRESS actions may be set to MOM, and they DISABLE the hold actions for that button.

12. Expression Input and Side Roller

The DMC Gen3 is equipped with a dedicated input jack that may be assigned to a variety of control functions. Depending on the configuration of the Expression Input, either an expression pedal using a 10k-100k potentiometer or a momentary normally-open footswitch may be connected. If an expression pedal is used, the connection should be made with a tip-ring-sleeve / TRS / stereo cable. Tip = 0-3.3V, Ring = 3.3V, Sleeve = GND.

The DMC Gen3 may also be equipped with a side roller potentiometer as a factory option. In previous versions of the DMC series, the side roller shared an input channel with the external expression input and the two could not be used simultaneously. The Gen3 improves upon this arrangement by assigning each input its own dedicated channel, and each may be assigned separately to any combination of destinations.

To review the Expression Input or Side Roller options please consult the EXP and ROLL options in the Setup Menu. Note that the E CH and R CH menu options determine which MIDI channels each input will use for sending messages.

Example: The user has connected a Strymon Timeline (B) and Mobius (A.) The user wishes to have the side roller control the looper volume level for the Timeline and for the expression input to control the expression parameters for both Timeline and Mobius.

The menu options should therefore be set to EXP = EXPR, E CH = AB0, ROLL = LPR, R CH = 0B0. This sets the expression input to expression and allows it to send to the A and B devices, and the roller to send looper level for the B device only.

Finally, the DMC 3XL / DMC-4 Gen3 can use the Expression port as an additional MIDI output starting in v1.04d. This functions in the same way as the MultiJack MIDI option, please see the MultiJack section for more details.

13. HotSwitch

The DMC-4 adds a configurable extra button that may be programmed to suit a variety of uses.

Use the 4BTN and 4 CH menu options in the DMC Setup to configure the HotSwitch.

Set 4BTN to choose the function of the HotSwitch.

- OFF - HotSwitch is disabled, this should be selected if using a DMC-3XL
- TAP - HotSwitch functions as tap tempo footswitch
- LATC - HotSwitch functions as latching freeze / hold footswitch
- FAV - HotSwitch loads and saves the Favorite preset
- TUN - HotSwitch activates the tuner on supported devices
- BNK - HotSwitch functions as a Bank Down button - this moves backwards through the modes on the DMC Gen3.

Set 4 CH to configure on which MIDI channels the DMC will send messages:

The setup menu will show the letters of the devices. For example, A000 means messages will only be sent on channel 1, for Device A. To send messages for Devices B and C, set 4 CH = 0BC0. For all devices, set this to ABCD.

14. MultiJack

The DMC Gen3 controllers incorporate a flexible input / output connector called the MultiJack. The MultiJack is found on the I/O panel of the Gen3, and will be indicated by a red or white jack nut depending on the finish of the controller. The MultiJack may function in one of several different configurations, depending on what you need.

Run the DMC Setup to configure the MultiJack - the relevant menu entries are JACK and J CH.

JACK - MultiJack input (red jack) configuration

- OFF - MultiJack disabled
- EXPR - Functions as Expression pedal input, sends expression messages as defined in each device driver.
- TAP - Functions as tap tempo footswitch input
- N-O - Functions as normally-open tap tempo output, connects to external devices to send tap tempo or clock signals.
- MIDI - Functions as second MIDI output jack
- TOGG - Functions as a toggle switch for controlling amplifier or other remote functions.
 - Requires one device to be set to “MultiJack”
- N-C - Functions as normally-closed tap tempo output, connects to Boss pedals to send tap tempo.
- UTIL - Functions as an expression pedal input but sends a user-definable MIDI CC message.
- FAV2 - Functions as a Favorite Switch input,

J CH - MultiJack channel selection

A B C D MultiJack enable / disable

If the location shows as zero, the controller will not transmit expression or MIDI on that channel

If all three locations show as zero and the MultiJack is set to EXPR, no expression will be sent

If all three locations show as zero and the MultiJack is set to MIDI, all channels will be active but MIDI clock will not be sent

U JN - MultiJack Utility Message Number

U JL - MultiJack Utility Message Low

U JH - MultiJack Utility Message High

These settings are only active if JACK is set to UTIL. When active, these values configure the MIDI CC value sent when an expression pedal is connected to the MultiJack. These allow you to send any MIDI CC value, with any range. For example if you wish to send MIDI CC 17, heel down 0 and toe down 127: U JN = 17, U JL = 0, U JH = 127. The messages will be sent on the MIDI channels as configured with the J CH parameter.

In addition, there is a group of three DIP switches found inside the Gen3 controller. **If you want to use the MultiJack as a N-O, N-C, or TOGG they must be set to OFF-OFF-OFF. OTHERWISE they should be set to ON-ON-ON.**



15. MultiJack Examples

That's a lot of acronyms and data, so let's break it down based on the most common uses of the MultiJack:

If you have a pedal made by Chase Bliss Audio or certain Empress pedals (Reverb, Tremolo 2) then you can use the MultiJack to send them MIDI commands without using the MIDIBox peripheral.

SET JACK to MIDI

SET J CH to the channel you would like to assign to the device (A, B, C) or to 0000.

Ex. if you want to use a Tonal Recall as your “C” device, you can set J CH to 00C0.

If you set J CH to 0000, the MultiJack will send MIDI data on all channels BUT will not send MIDI clock. Sometimes this is helpful if you want to change presets on a device but you don't want it to sync to the clock.

SET ALL THREE DIP SWITCHES to ON-ON-ON (MJ1) or ON-ON-ON-OFF (MJ2 / MJ3).

If you have a pedal with a remote tap tempo input such as a Boss DD-7, JHS Panther Cub, Matthews Conductor, etc. and you'd like to send taps or clock signal to it, you can use the MultiJack as a remote-controlled tap tempo switch.

SET JACK TO N-O (most pedals) or N-C (Boss pedals)

SET J CH TO ABCD

SET ALL THREE DIP SWITCHES to OFF-OFF-OFF.

Strymon pedals with TAP functionality on their EXP jacks (Deco, DIG, Flint) require the use of a cable with a pull-up resistor - check the Disaster Area site for more info.

The Brigadier and El Capistan do not support tap tempo without third-party modifications. Strymon pedals that have an aftermarket / added tap jack may generally use a standard mono / TS cable.

If you would like to use the MultiJack to connect a tap tempo footswitch or expression pedal, the configuration is the same as the standard Expression input jack. Be sure to set the DIP switches to ON-ON-ON.

16. USB MIDI and USB Host

The DMC-3XL / DMC-4 Gen3 are equipped with a 5-pin USB Mini-B connector on the back panel. While we do use it for firmware update, that's not a very exciting option. Let's take a look at the *cool* things you can do with the DMC USB port!

USB HOST (default)

The DMC Gen3 comes programmed to use the USB port as a HOST interface from the factory. What does that mean? Simply put, if you connect a USB MIDI device to the USB port using our gHOST Adaptor Cable, the DMC will try to talk to it. If it's compatible, then we can send and receive data from the device and you can control it just like any other device.

Some of the most useful devices that we can control are the Zoom MultiStomp series - specifically the MS-50G, MS-60B, and MS-70CDR. Unfortunately the MS-100BT does not have a USB port and so we can't control it.

To connect and control the MultiStomps, you first have to set up DevA as ZOOM MultiStomp in the Setup Menu. While you're in there, make sure that USB is set to HOST, and save to exit. Once you have configured the device and the USB mode, you can connect the MultiStomp USB port to a standard USB A to Mini-B cable, and attach that to the gHOST Adaptor. Plug the gHOST Adaptor into the DMC Gen3 and that's it! You can now control the Zoom pedal just like any other pedal. Their MIDI support is limited, but you can change presets and engage the tuner.

USB MIDI

If you want to control your PC / Mac / iPad with your DMC, or if you want to send out MIDI from one of those devices to the rest of your pedalboard, you can instead go to Setup and set USB to MIDI. Once you save and exit, the USB port on the DMC Gen3 will function as a USB MIDI device instead of a USB Host. Connect your computer or tablet to the DMC USB port using the appropriate cable and the DMC Gen3 will show up as a USB MIDI device. Any data your computer sends to the DMC Gen3 will be retransmitted out through its 5-pin MIDI port to your pedalboard, and any commands you execute on the DMC will transmit back to the computer / tablet.

17. MIDI Interface Mode

The DMC Gen3 is capable of operating in a special MIDI Interface mode, which is useful for connecting your MIDI devices to your computer or tablet. Connect a USB cable to the DMC MIDI port and to your computer or tablet device, then hold the mode button when the pedal display starts to scroll. The display will then show "INT" and the DMC Gen3 will be in interface mode.

In order to send MIDI from your pedals back to your computer or device, you must use the Disaster Area DMC MIDI Y-Cable, available at disasterareadesigns.com. Connect the "OUT" side of the Y-Cable to your MIDI device input, and the "IN" side to your MIDI device output.

If you prefer to leave the MIDI cable connected during normal use, then we recommend you set THRU = OFF in the DMC setup to avoid MIDI echo.

18. MIDI System Exclusive Data Transfer (new in v1.02a)

The DMC-3XL / DMC-4 Gen3 is equipped with a simple MIDI System Exclusive (SysEx) data transfer function, designed to allow the user to back up and restore the state of the Gen3 controller.

We recommend the use of SendSX (PC) or SysEx Librarian (Mac) for recording and restoring SysEx transfers.

WARNING! Sending data from the Gen3 to a computer is 100% safe. Sending data from a computer to the Gen3 WILL overwrite its presets and configuration, and may result in data loss or setup corruption. Proceed with caution!

Instructions for backing up data to a computer: (SysEx Dump)

1. Power the Gen3 on and enter Setup by holding the lower left and lower right buttons shortly after boot.
2. Navigate to the DUMP menu in setup, and enter it by pressing the mode button.
3. Use the left or right buttons to select the type of data transfer you would like to perform. DO NOT start the transfer at this time.
 - ALL - transfer all presets including BYPASS and FAVE, transfer full configuration
 - CFG - transfer full configuration
 - PRST - transfer presets including BYPASS and FAVE, from preset 1 through the highest preset used in setup.
4. Once you have selected the type of transfer, connect the Gen3 to your computer running the appropriate SysEx software. If you have enabled USB MIDI in the Setup Menu, you may connect the Gen3 directly to the computer using a USB cable. If you have HOST enabled, you should connect using a standard 5-pin MIDI cable and MIDI interface.
5. Start the SysEx software on your computer and select the correct MIDI interface in its preferences or setup menu. If you have connected the Gen3 to your computer in USB MIDI mode, it should show up here as "DISASTER G3 MIDI."
6. Prepare the SysEx software to receive a SysEx transfer, consult with the user guide for your software for more details.
7. Press the mode button on the Gen3 to start the transfer. The display will update to alert you to the transfer status.
8. This should result in a data transfer being sent to your computer, which will record the data in a file.
9. When the transfer is complete, you can use the right and left buttons to select other transfer types. Pressing the mode button with a transfer type selected will perform additional transfers. To exit the DUMP menu, press the left or right buttons until the display is blank, then press the mode button to exit.

Instructions for restoring configuration and presets from a computer: (SysEx Load)

1. Power on and connect the Gen3 to your computer running the appropriate SysEx software. If you have enabled USBMIDI, you may connect the Gen3 directly to the computer using a USB cable. If you have enabled USBHOST, you should connect using the Disaster Area Designs MIDI-Y Cable and to your MIDI interface.
2. Start the SysEx software on your computer and select the correct MIDI interface in its preferences or setup menu. If you have connected in USBMIDI mode, the Gen3 should show up here as "DISASTER G3 MIDI."
3. If you are using the 5-pin MIDI port to update, set up your SysEx software to allow 500 milliseconds (0.5 seconds) between SysEx messages. This will ensure that the DMC can process and respond to the messages correctly. If you are using the USB port / USBMIDI to update, this is not necessary but will not hurt.
4. Prepare the SysEx software to send a SysEx transfer, consult with the user guide for your software for more details.
5. Ensure that no other MIDI devices are connected to the Gen3, to avoid possible data corruption.
6. Initiate the data transfer from your computer. The Gen3 will show "Xabc" on its display, where "abc" is replaced by the number of the preset it is receiving. The display names and LEDs may also change while this process occurs. If the DMC receives a SysEx message with Config data, the display will indicate this as well, and will prompt you to restart the controller once it is finished. Note: Failure to restart the controller after receiving a SysEx Config message may result in the controller operating incorrectly.

19. Setup Mode

Setup Mode allows you to configure every aspect of your DMC Gen3 Controller. Please refer to Section 4 for details on entering and navigating Setup Mode.

SETUP PARAMETERS:

PRST - Preset Mode

0-127 presets
If PRST is set to zero, Preset Mode is disabled

P CH - Preset Mode channel selection

A B C D Preset Modes enable / disable
If the location shows as zero, no commands will be sent to that channel in Preset Mode.

SETL - Set List Mode

ON - Set List mode enabled
OFF - Set List mode disabled

SCRL - Scrolling Mode

A B C D Scrolling Modes enable / disable
If the location shows as zero, the Scrolling Mode for that channel is disabled
If all four locations show as zero, all Scrolling Modes are disabled

DevA DevB DevC DevD - Device Control selection

Please consult the Device Driver list at the end of this manual for a detailed description of the supported devices.

LOOP - Looper Modes selection

OFF - Looper Modes disabled
L 1 - Looper transport controls, record / overdub / play / stop / undo
L 2 - Looper FX controls, reverse / half speed
L 3 - Looper Volume controls, looper pre / post

LSTP - Looper Mode stop configuration

STOP - looper stops as soon as play / stop button is pressed
PLAY - looper retriggers when play button is pressed, stops when button is held

EXP - Expression Pedal input (black jack) configuration

OFF - disable expression pedal input jack
EXPR - expression pedal
LPLV - looper volume level
SPLT - split expression, sends looper volume level in looper modes and expression in all others
TAP - tap tempo footswitch input
LATC - latching freeze / hold footswitch input
FAVE - favorite preset load / save footswitch input
BANK - advance to the previous mode
MIDI - expression port functions as MIDI output using TRS to MIDI cable

E CH - Expression Pedal input channel selection

A B C D Expression Pedal enable / disable
If the location shows as zero, the controller will not transmit expression or looper level on that channel
If all locations show as zero, no expression will be sent

JACK -MultiJack input (red jack) configuration

OFF - MultiJack disabled
EXPR - Expression pedal input
TAP - Tap tempo footswitch input
N-O - Normally-open tap tempo output, connects to external devices to send tap tempo or clock signals
MIDI - MIDI output using **MJ-5P** TRS to MIDI cable
TOGG - Toggle switch output for controlling amplifier or other remote functions
N-C - Normally-closed tap tempo output, connects to Boss pedals to send tap tempo signals
UTIL - Expression pedal input but sends user-defined MIDI CC messages
FAV2 - favorite preset load / save footswitch input, loads a separate FAVE preset from EXP or 4BTN.

J CH - MultiJack channel selection

A B C D MultiJack enable / disable
If the location shows as zero, the controller will not transmit expression or MIDI on that channel
If all three locations show as zero and the MultiJack is set to EXPR, no expression will be sent
If all locations show as zero and the MultiJack is set to MIDI, all channels will be active but MIDI clock will not be sent

ROLL - Optional side roller configuration

OFF - disable expression roller, this should be selected if no roller is installed
EXPR - expression pedal
LPLV - looper volume level
SPLT - split expression, sends looper volume level in looper modes and expression in all others

R CH - Optional side roller channel selection

A B C D Side Roller enable / disable
If the location shows as zero, the controller will not transmit expression or looper level on that channel
If all locations show as zero, no expression will be sent

4BTN - Button 4 configuration (DMC-4 only)

OFF - Button 4 is disabled, use this for 3XL
TAP - Functions as tap tempo footswitch
LATC - Functions as latching freeze / hold footswitch
FAVE - Loads and saves the Favorite preset
TUNE - Activates the tuner on supported devices
BANK - Advances to the previous mode

4 CH - Button 4 channel selection

A B C D Button 4 enable / disable
If the location shows as zero, the controller will not transmit commands on that channel
If all locations show as zero, the controller will send no commands when Button 4 is pressed

EDSP - Expression Pedal Display

d ON - Changes to the expression pedal, side roller, and MultiJack will be shown on the display briefly.

Expression Pedal will be prefixed with "E," Roller with "R," and MultiJack with "J."

d OFF - no expression values will be displayed

CLK - Tap and Clock mode configuration

Refer to Section 9 for more details

t OFF - Tap and Clock modes are disabled.

t TAP - TAP TEMPO mode.

t PST - PRESET CLOCK mode.

t GLB - GLOBAL CLOCK mode, TAP adjust.

t BPM - GLOBAL CLOCK MODE, BPM adjust.

T CH - Tap Tempo channel selection

A B C D Expression Pedal enable / disable

If the location shows as zero, the controller will not transmit tap tempo commands to that channel from the Tap and Clock mode.

T DP - Tap and Clock Decimal Point configuration

0.5 - Clock may be set in 0.5 BPM increments

1.0 - Clock may be set in 1.0 BPM increments

DBRT - Display Brightness setting

0 - 9 - Sets display and LED brightness

InCH - MIDI input receive channel

1-16 - Sets channel that the DMC will use to respond to incoming MIDI commands

OFF - MIDI input / thru is disabled

UTIL - Utility Mode enable

Refer to Section 11 for more details

OFF - Utility Mode disabled

ON - Utility Mode enabled

U LT - Utility left button press message type**U RT - Utility right button press message type**

ONE - sends HIGH message value once

TOGG - alternates between sending HIGH and LOW

values

RTN - sends HIGH message and then LOW message for a single press

BNK+ - sends Strymon BANK UP message

BNK- - sends Strymon BANK DOWN message

NOTE - sends a MIDI note of velocity HIGH

TAP - special - sends tap tempo commands for

enabled devices

MOM - sends HIGH message when button is pressed, LOW when button is released. **DISABLES HOLD MESSAGE** for this button if selected.

U AT - Utility left button hold message type**U BT - Utility right button hold message type**

ONE - sends HIGH message value once

TOGG - alternates between sending HIGH and LOW

values

RTN - sends HIGH message and then LOW message for a single press

BNK+ - sends Strymon BANK UP message

BNK- - sends Strymon BANK DOWN message

NOTE - sends a MIDI note of velocity HIGH

U LN - Utility left button press message number**U RN - Utility right button press message number****U AN - Utility left button hold message number****U BN - Utility right button hold message number**

Sets the MIDI CC controller or MIDI note value sent for the Utility Mode action.

U LL - Utility left button press message low value**U RL - Utility right button press message low value****U AL - Utility left button hold message low value****U BL - Utility right button hold message low value**

Sets the low or initial value for the Utility Mode action.

U LH - Utility left button press message high value**U RH - Utility right button press message high value****U AH - Utility left button hold message high value****U BH - Utility right button hold message high value**

Sets the high or final value for the Utility Mode action.

U LC - Utility left button press message channel**U RC - Utility right button press message channel****U AC - Utility left button hold message channel****U BC - Utility right button hold message channel**

Sets the MIDI channels that each Utility Mode action will use to send MIDI messages. Any or all of the A B C D channels may be assigned.

U JN - MultiJack Utility CC number**U JL - MultiJack Utility CC low value****U JH - MultiJack Utility CC high value****NAME - Preset Name Display**

OFF - no names will display, only preset numbers

FOUR - the first four characters of the name will display

SCRL - the preset name will scroll when loaded, then the preset number will display

SCRL4 - the preset name will scroll when loaded, then the first four characters of the preset name will display.

USB - USB Mode Configuration

MIDI - USB port will function as a MIDI interface when connected to a PC, Mac or iPad

HOST - USB port will function as a USB HOST, allowing the user to control a USB MIDI device (requires Disaster Area gHOST Adaptor Cable).

PROT - Memory Protection

OFF - memory protect disabled, presets may be saved

ON - memory protect enabled, presets will not save

DUMP - SysEx Data Dump

PLEASE REFER TO SECTION 17.

FACT - Factory Reset

SETL - set list presets are reset

CFG - all setup menu values are reset.

PRST - presets are reset.

NAME - preset names are reset.

ALL - all values are reset.

DMC / DPC GEN3 SUPPORTED DEVICES

How to use this table:

We've listed the device drivers that are installed in your Gen3 controller below. Each driver has preset values for all of the various items the controller can access, so that you don't need to be a MIDI expert to use the controller!

We've listed the MIDI controller numbers that we send, in case you want to map them to something else or are trying to match up an unsupported device.

If you're not sure about a device you're using, we recommend you try **General MIDI** or **General MIDI No Bypass**. These drivers will allow you to send MIDI programs 0-127, which should support 99% of the devices on the market. If your device doesn't have 128 presets, then the upper range of the controller will be ignored by your device.

We add new devices all the time, so if you've got something that has special features not yet supported please contact us!

| Manufacturer | Device | Menu Name | Expression | Tuner | Looper | Notes |
|------------------|---|------------------------------|------------|-------|--------|---|
| NONE | General MIDI | Gen MIDI GMID | CC7 | CC69 | NO | Sends PC 0 instead of bypass CC |
| Strymon | Timeline | Timeline TIME | CC100 | NO | YES | LTC sends command for infinite delay |
| Strymon | Mobius | Mobius MOBI | CC100 | NO | NO | |
| Strymon | BigSky / Volante | BigSky BSKY | CC100 | NO | NO | LTC sends command for freeze / infinite, Volante looper mode not yet supported |
| Eventide | H9, Timefactor, Modfactor, Pitchfactor, Space | Eventide EVEN | CC48 | CC69 | YES | Map MIDI CC 42 = Activate the pedal, CC 44 = Tap Tempo, CC 46 = Performance Switch, CC 48 = Expression. |
| Chase Bliss | ALL | ChasBliss CBA | CC100 | NO | NO | |
| Boss | DD-500 | DD-500 d500 | CC16 | NO | NO | Map CTL1 = CC84, TAP = CTL1 or use MIDI clock |
| Boss | MD-500 | MD-500 m500 | CC16 | NO | NO | Map CTL1 = CC80, TAP = CTL1 or use MIDI clock |
| Boss | RV-500 | RV-500 r500 | CC16 | NO | NO | Map CTL1 = CC80, TAP = CTL1 or use MIDI clock |
| Empress | Reverb | Empress Revrb EMPR | CC10 | NO | NO | Must enter Advanced Config mode on pedal to configure for MIDI |
| Empress | EchoSystem | Empress EchoS EECO | CC10 | NO | NO | Must enter Advanced Config mode on pedal to configure for MIDI |
| Empress | Tremolo2 | Empress Trem2 EMPT | CC10 | NO | NO | Must enter Advanced Config mode on pedal to configure for MIDI |
| Source Audio | Neuro Hub / SoundBlox Hub | Source Audio HUB | NO | NO | NO | Configure using Hub Manager to set Hub MIDI channel |
| Source Audio | Nemesis / Ventriss | Nemesis Dely NEMS | CC100 | NO | NO | |
| Line 6 | M5 | Lin6 M5 L M5 | CC1 | CC69 | NO | Set AutoSave to OFF to avoid corrupting presets |
| | M9 | Lin6 M9 L M9 | CC1 | CC69 | YES | Set AutoSave to OFF to avoid corrupting presets |
| | M13 | Lin6 M13 LM13 | CC1 | CC69 | YES | Set AutoSave to OFF to avoid corrupting presets |
| Electro-Harmonix | HOG2 | EHX HOG2 HOG2 | CC4 | NO | NO | |
| Pigtronix | Echolution 2 (all versions) | Echolutn ECL2 | CC4 | NO | NO | |

| Manufacturer | Device | Menu Name | Expression | Tuner | Looper | Notes |
|---------------|------------------------------|-----------------------------|------------|-------|--------|---|
| Alexander | Neo Series / Super Series | Alexandr ALEX | CC100 | NO | NO | |
| Panda Audio | Future Impact | F. Impact F IM | CC7 | NO | NO | |
| Free the Tone | Flight Time | Flight Time FLT M | CC81 | NO | NO | |
| DigiTech | Whammy V Classic Mode | Wham Classic WHM1 | CC11 | NO | NO | |
| DigiTech | Whammy V Chords Mode | Wham Chords WHM2 | CC11 | NO | NO | |
| Zoom | MS-50G MS-60B MS-70CDR | MultiStomp ZOOM | No | CC74 | NO | Set USB=HOST in Setup. Must use DEV A as ZOOM. Use gHOST Adaptor Cable. |
| Atomic | AmpliFIRE | AmpliFIRE ATOM | CC22 | NO | NO | Sends CC81 for LTC |
| NONE | MultiJack Relay Output | MultiJack JACK | NO | NO | NO | Special - does not send MIDI, controls the relay output on the MultiJack(s). Set DIP switches to ON-ON-ON or ON-ON-ON-OFF (DMC-6/8) |
| Hologram | Dream Sequence | Hologram DREM | NO | NO | NO | |
| Meris | ALL | Meris MERS | CC4 | NO | NO | Use Meris setup mode to assign EXP port to MIDI |
| Elektron | Analog Drive | Analog Drive ADRV | CC4 | NO | NO | |
| Boss | SY-300 | BOSS SY-300 SY-3 | CC7 | CC24 | NO | |
| GFI System | Specular Tempus | GFI SPECULAR GFI | NO | NO | NO | |
| NONE | MIDI Notes | MIDI Notes NOTE | CC7 | CC69 | NO | Special - sends MIDI note of the selected value when preset is loaded. |
| NONE | General MIDI (no bypass) | GenMIDINoByp GM-2 | CC7 | CC69 | NO | Like General MIDI, but does not send PC or CC when in bypass. Used for "always on" devices. |
| Line 6 | HX Effects | HX Effects HXFX | CC1 | CC68 | YES | Must enable looper block to use looper controls. |
| Line 6 | HX Stomp | HX Stomp H ST | CC1 | CC68 | YES | Must enable looper block to use looper controls. |
| Bondi | Art Van Delay | Art VanDelay ARTV | NO | NO | NO | Defaults to channel 10 or channel 3 - reconfigure to use |
| Dr. Scientist | The Atmosphere | Atmosphere ATMO | NO | NO | NO | Accesses factory presets 1-16 and user presets 1-16. |
| Red Panda | Tensor | Panda Tensor TENS | CC4 | NO | NO | Set USB=HOST in Setup. Must use DEV A. Use gHOST Adaptor Cable. |
| Red Panda | Particle v2 | Panda PartV2 PRT2 | CC4 | NO | NO | Set USB=HOST in Setup. Must use DEV A. Use gHOST Adaptor Cable. |
| Source Audio | C4 Synth Spectrum Filter | Source C4 C4 | CC100 | NO | NO | Set USB=HOST in Setup. Must use DEV A. Use gHOST Adaptor Cable. |
| Empress | ZOIA | Empress ZOIA ZOIA | CC10 | NO | NO | Use CC60 for bypass, CC35 for tap tempo. |
| Strymon | Riverside | Riverside RIVR | CC100 | NO | NO | |
| Strymon | Sunset | Sunset SUNS | CC100 | NO | NO | MIDI bypass not supported. Save bypass state in your user presets. |