

Disaster Area Designs
DMC-2+ Quick Start Guide
Rev 1.0
May 2014
Firmware v1.02



Thank you for purchasing a DMC-2+ controller! The DMC-2+ is a super-compact MIDI controller designed to help you get the most out of your existing equipment. The DMC-2+ offers a comprehensive setup mode that enables you to control many different types of MIDI devices.

To connect your DMC-2+ to your MIDI device, you'll need a standard 5-pin MIDI cable. These are available from Disaster Area Designs and from many online and retail shops. You will also need a 9V power supply capable of supplying 64mA.

Connect the 9V power supply to the DMC-2+, and connect the MIDI cable from the DMC-2+ MIDI port to the MIDI input of the device that you would like to control. The DMC-2+ may also be powered by its USB port, although you may experience noise or other interference when using this connection in combination with the MIDI port.

The Expression Input requires a TRS expression input, Sleeve = GND, Ring = 5V, Tip = 0-5V signal. If used with a footswitch, please use an SPST Momentary footswitch, normally open. The Disaster Area DFS-1 or Micro Tap is an excellent choice.

The DMC-2+ USB port is a class-compliant MIDI device and may be used to control any USB host that can accept MIDI signals. The USB port is CoreMIDI compliant, and may be used with the Apple Camera Connection Kit with the iPad or iPhone models (iOS 4.2 or higher required.) The DMC-2+ may also be used with Ableton Live, Mainstage, Logic, and other audio applications / DAWs. If the DMC-2+ is connected to a host as a MIDI device, any commands sent to the Disaster MIDI interface from the computer or iPad will be transmitted to the MIDI output on the DMC-2. This means you can send messages, sync, clock, or other data from your computer to your MIDI devices using the DMC-2+ as a USB interface. Please visit our website for tips on updating your Strymon device firmware with the DMC-2+ as an interface.



Configuration:

The DMC-2 will run a power-on test, during which time the display on the unit will scroll "dI StrymON ArEA" and the LEDs on the controller will flash. The pedal will then display its firmware revision.

In order to configure the DMC-2+ for your MIDI devices, please press and hold the left button on the controller at boot. The display will scroll "SETUP" and the pedal will enter setup mode.

The controller has three available setup options:

"A" mode – the controller starts in this mode.

"B" mode – optional second mode, accessed by holding both controller buttons.

"E" expression jack setup – determines what the 1/4" jack on the back of the controller does.

Tap the left button to select A, B, or E setup. Hold the left button to save the current setup.

“A” Mode Options:

023, 099, 127, 199, 299 – Preset scrolling modes. The number is the maximum preset the controller can access. This mode works well for Line 6 (023,) Eventide (099,) Strymon Timeline / Mobius (199,) or Strymon BigSky (299.) The 127 setting works well for almost all MIDI devices.

Bn – Bank mode. This mode works for Strymon MIDI devices such as Timeline, BigSky, and Mobius.

R2R – “R2R Mode.” This mode is a replacement for the hardware R2R controller for use with the Disaster Area DPC-5 only.

“B” Mode Options:

If a preset or bank mode is enabled for the “B” mode, the controller will send messages on two different MIDI channels. This means you can scroll presets or banks on two MIDI devices, one at a time.

023, 099, 127, 199, 299 – Preset scrolling modes. The number is the maximum preset the controller can access.

Bn – Bank mode.

LPr – Looper mode. This mode controls the looper transport on the Strymon Timeline.

Ctl – Control mode. This mode sends two messages: One is a latching MIDI CC for infinite repeats or freeze on the Timeline / BigSky, and may be used for the performance switch on the H9 or other Eventide pedals. The other is a momentary CC message that may be used for tap tempo on the Strymon devices or for tap or tuner on the Eventide units.

OFF – disables the “B” mode.

“E” Expression Pedal Options:

EXP – sends MIDI CC 100 if an expression pedal is used. Works automatically with Strymon.

TAP – sends MIDI CC 93 if a momentary footswitch is connected. Works with Strymon, sends taps to both the “A” and “B” channels. Don’t use this if you are using a BigSky as your “B” device.

TA – sends tap tempo to the “A” device only. Use this if you are connecting to a Timeline + BigSky.

TB – sends tap tempo to the “B” device only.

LTC – latching “freeze” command, sends CC97 to both “A” and “B” devices.

LA – latching freeze command to “A” device only.

LB – latching freeze command to “B” device only.

LPR – sends CC98 to “A” device only, for use with the Strymon Timeline looper volume level. *Note – if your loops are too loud or distorted, update your Timeline firmware! Strymon changed the looper volume range in v1.33 and our devices are designed to work with the latest firmware only.*

Setting up your MIDI Devices:

For the Strymon pedals, press and hold the Parameters encoder to enter the Globals menu. Set the Globals as indicated:

Timeline:	Mobius:	BigSky
BYPASS BUFBYB		BYPASS BUFBYB
LPEXIT PLAY		
MIDICH 1	MIDICH 1 (2 if “B”)	MIDICH 1 (2 if “B”)
MIDICT OFF	MIDICT OFF	MIDICT OFF
MIDITH ON	MIDITH ON	MIDITH ON
MIDIPA OFF	MIDIPA OFF	MIDIPA OFF

Line 6 M5 / M9:

Set the MIDI channel to 1 if using as the “A” device, or 2 if using as the “B” device. Expression and tap do not work with the Line 6 pedals at this time.

Eventide Factor / Space / H9:

Set the MIDI channel to 1 if using as the “A” device, or 2 if using as the “B” device. Map the following commands in the MIDI menu or using the iOS / Mac / PC app:

EXPRESSION / HOTKNOB CC100 PERFORMANCE SWITCH CC97 TAP TEMPO or TUNER CC93

For other MIDI devices, please consult the Disaster Area Designs website at www.disasterareadesigns.com

Operation:

Preset Modes (023, 099, 127, 199, 299)

Left button tap to decrease preset, hold to scroll presets.
Right button tap to increase preset, hold to scroll presets.

Bank Mode (bn)

Left button tap to decrease bank number, hold to send "A" button to device.
Right button tap to increase bank number, hold to send "B" button to device.

Looper Mode (Lpr)

Left button tap to record / overdub.
Right button tap to play / stop, hold to send undo / redo. *Note the right button operates on the button **release**, for a more accurately timed loop recording use the left button to start the loop and then enter overdub mode.*

R2R Mode (r2r)

Left button tap to increment preset by 5 / step through each bank on DPC-5.
Right button tap to send tap tempo.

Control Mode (Ctl)

Left button tap to latch / unlatch freeze or performance switch.
Right button tap to send tap tempo.

MIDI MESSAGES:

The DMC-2 sends the following messages:

Preset Modes (023, 099, 127, 199, 299): Program changes on MIDI channel 1 (A) or 2 (B.)

Bank Mode (bn): Left Button CC80 + CC82, Right button CC81 + 82

Looper Mode (Lpr): Left Button Note On 0, Right Button Note On 2 (Play,) 4 (Stop,) 7 (Undo,) 9 (Redo.)

R2R Mode (r2R): Left Button Program changes 1-56, Right Button CC93

Control Mode (Ctl): Left Button CC97, Right Button CC93

Expression Pedal:

EXP: MIDI CC 100, 0-127, channels 1 and 2. Expression Pedal.

ETAP: MIDI CC93, 127, channels 1 and 2.

E TA: MIDI CC93, 127, channel 1.

E TB: MIDI CC93, 127, channel 2.

ELTC: MIDI CC97, 0-127 alternating, channels 1 and 2.

E LA: MIDI CC97, 0-127 alternating, channel 1.

E LB: MIDI CC97, 0-127 alternating, channel 2.

ELPr: MIDI CC98, 0-127, channel 1. Looper Volume Level.