

DPM[®] C8[™]

Manual Addendum

Software version 2.0

PEAVEY[®]

DPM® C8

Addendum for

Software v2.0

INTRODUCTION

This addendum updates the DPM C8 Users Manual to include the revisions made for version 2.0 of the DPM C8 software.

NEW FEATURES

- Real-Time crossfades are now possible. The wheels, sliders, pressure, and CV pedals now have per-range polarities. The choices on the Ranges Enables screen for these controllers are now OFF, POS, and NEG as opposed to OFF and ON. (POS = ON, NEG = Opposite of the per-preset polarity on CtlAsgn screen).

An equal power curve can be enabled on the GLOBAL Page #2 screen. This does a logarithmic-type conversion to quicken swells (and therefore slow the fades). This can help cure the lack of volume in the middle positions when crossfading.

- You can now use numeric entry when editing fields. Type the number you want and press ENTER to keep it or EXIT to cancel. (The field will blink to remind you that you must hit one of those). To enter negative numbers (like Transpose), you must first type at least one digit of the number to get into numeric entry mode, after which the -/DEC button will toggle the number between negative and positive.

ex. "4," "8," "-", "ENTER" -> -48
"4," "-", "8," "ENTER" -> -48

- The Bank Select message (specified on the Ranges "VolPrg" screen) now includes a programmable MSB (Most Significant Byte), instead of always sending a 0. This will alleviate problems with some gear that uses the MSB for Bank Select instead of the LSB (Least Significant Byte) specified by the MIDI Manufacturers Association. The Quick Program Change screen also provides the MSB.

Note: MSB = MIDI controller #0, LSB = MIDI controller #32

- There is now a global Pressure Curve for the C8's pressure controller. It will allow you to tweak the response of the C8's pressure controller to your individual taste (and finger strength).

Soft button #3 on the GLOBAL screen is labelled "PresCrv." Using this curve is almost exactly like using the velocity curves in the presets. ROM curves 0-16 are accessible. (The inverted curves aren't needed, since Pressure polarity can be reversed in the preset). You may want to avoid positive "Offset" values, since they can cause a jump from zero to the offset value after the preset is recalled.

Note: The Pressure Curve is used for the C8's pressure regardless of what the pressure controller is assigned to send. Other controllers (sliders, etc.) assigned to send Channel Pressure will NOT be processed by the curve.

Note: Incoming MIDI that is merged through the Ranges will NOT be processed through this curve since it is not part of the preset. Only the C8 keyboard's pressure will go through the curve.

- The MIDI Monitor utility can now use the MIDI filters on the MIDI Merge screen. On the STATUS screen, the 5th soft button toggles this feature on and off. Also, when monitoring incoming MIDI bytes, the soft button labelled STOP will stop the stream on the monitor but stay on the same screen so you can examine a screen's worth of data. In previous versions, this button was used to leave the screen (you can use EXIT to do that).

Note: Using the MIDI monitor utility will no longer corrupt the data in the MIDI Bulk Buffer.

- Volume controllers (sliders, wheels, etc.) will no longer override the levels programmed on the Ranges Vol/Prg screen. Instead, the controller will scale the programmed value, making that value act as an upper limit.

A new global parameter on the GLOBAL Page #2 screen chooses whether or not the controller position is transmitted on preset recall. If turned OFF, the volume levels will go out exactly as programmed. The controller will start working after being moved all the way up or all the way down.

- The footswitches can now be used to change the mute status of selected ranges (toggle or hold). Program the footswitch in the CtlAsgn screen to "Range Mute Status (Toggle)" or "Range Mute Status (Hold)," then enable the ranges you want affected in the Range Enables screen. If these ranges are saved as muted, the footswitch will enable them, allowing selective layering without your hands leaving the keyboard.
- There is a cursor on the top preset screen highlighting one of the eight ranges. You can mute or solo the highlighted range by pressing the mute or solo button. There's no need to double-hit with a numeric button (although that method still works). This allows muting and soloing with only one hand.

Note: The cursor position is saved with the preset so you can, say, have the preset come up with Range #5 highlighted to make it immediately ready for (un)muting or soloing.

- Two options on the GLOBAL page #2 screen allow easier use of the muting and soloing abilities of the C8. The first one allows Note Off messages to be transmitted after muting to eliminate stuck notes. This only allows Note Offs for currently active notes in that range, and only one of each. (Once the keys are released, no more note transmissions will occur on the range). The other global allows controllers to be transmitted on a range after it was muted. This allows further modulation control on active notes or notes in their release phase. More importantly, it allows Sustain Off to be transmitted, reducing the chance of stuck notes.
- Extra controller choices: keyboard pressure can control pitch-up and pitch-down. The mod wheels, sliders, and CV pedals can control pitch-up, pitch-down and channel pressure. These are all extra choices on the CtlAsgn screens.

- When choosing which of the four sliders you prefer to use as the data entry slider (GLOBAL screen), you may now choose to not have one at all by choosing "NONE." With numeric entry and the ability to speed up the INC/DEC scrolling (by pressing the opposite button while holding the first), you may see it as unnecessary. Also, it may be preferable to have all four sliders maintain their programmed function while in edit screens, rather than one of them suspending its function so that it can perform data entry.
- There is now a Global Transpose variable on the MIDI screen. This will allow you to transpose all MIDI notes that are transmitted by the Presets (C8 keyboard and MIDI input that is merged through the Ranges) up or down 12 semitones. This will work in addition to the Range Transpose variables—it will not affect the key splits.

Note: MIDI notes that are received by the C8 and echoed out (but not through the Ranges) will not be affected by the Global Transpose. If you need them transposed, you must also set the Transpose variables on the MIDI Merge screen.

The logo for Peavey Electronics Corporation, featuring the word "PEAVEY" in a bold, italicized, sans-serif font. The letter "A" is stylized with a triangle inside it. A registered trademark symbol (®) is located to the right of the word.

Features and specifications subject to change without notice.