# Manual Addendum REV2:

All modules that have REV2 written on the back (shipping since summer 2019) come with a new firmware that introduces new functionality. There are two important changes:

REV2 units have bipolar outputs! Each individual output can be shifted between 0V to 10V operation or -5V to 5V operation. To shift an output, press the corresponding encoder to enter mute mode. Now turn the encoder to the right for unipolar, or to the left for bipolar operation. The shift is displayed by a flashing LED. Unmute the output and the output has now shifted its polarity mode. You need to save settings (press and hold the bank button) to make this setting persist after reboot. Bipolarity is not supported for first batch modules, sorry!

There is also a new Fader Setup Menu which is supported for all modules! If your module does NOT say 'REV2' on the back, please update your firmware to access this feature and to ensure perfect operation of your expander. The old cut-in calibration routine is now obsolete. All changes to the crossfader behavior are now accessed through the Fader Setup Menu. You enter this menu by pressing and holding 'Bank' while power cycling. Pressing 'Bank' again will save all settings and take you back to the main functionality.

In the Fader Setup Menu, you can adjust the left and right cut-in point simply by positioning the crossfader and pressing 'Left-Assign' for the left side or 'Right-Assign' for the right side. The changes become active instantaneously and you can see what is happening and experiment with the settings by observing the LED activity.

A completely new feature that is accessible from the Fader Setup Menu is the crossfader curves! Look at the bottom row of the encoders. By default the two encoders in the middle are lit blue. This means the crossfader works completely linear. By turning any encoder in the bottom row this linear curve can continuously be varied to a log curve leaning to the left or to the right. Again, these changes become active instantaneously and you can see what is happening and experiment with the settings by observing the LED activity.

Also, the Fader Setup Menu can change the polarity of the crossfader by pressing the top left and top right preset buttons. This is a setting that you won't actually need to touch, it only exists to incorporate the different crossfader types. But should you accidentally change polarity, now you know how to fix it!