

# TRIO Firmware Update (March 2016)

**MCU: Production 1.4**

**DSP: Production 3.0**

The new Trio firmware update provides the following new functions:

## **Pre-Selecting a Style**

The TRIO can be programmed to default to a pre-selected style each time you teach the TRIO a song part.

### **To pre-select a style:**

1. Before teaching the TRIO your song part (LEARN LED flashing red slowly), turn the STYLE knob to pre-select the style that you want. The selected style will flash in sync with the LEARN LED, indicating that this style will override the automatic style selection. Pre-selected styles will remain in effect for all empty parts, unless changed.
2. To return to automatic style selection at any time before teaching a new part, turn the STYLE knob until none of the STYLE LEDs are lit.

## **Tempo Interpretation Using the ALT TIME Button**

It is sometimes difficult for the TRIO to automatically choose between a slow or fast tempo based on the rhythm used for teaching. You can tell the TRIO that you would prefer either a fast or a slow interpretation of your song part by using the ALT TIME button to provide a tempo hint.

### **To enable/disable tempo interpretation:**

1. Before teaching the TRIO your song part (LEARN LED flashing red slowly), press the ALT TIME button (the button will begin flashing red). After teaching your part, the TRIO will try to choose the slowest tempo interpretation of your rhythm.
2. Before teaching, pressing the ALT TIME button again (the button will begin flashing green) will cause the TRIO to anticipate a faster song part. After teaching your part, the TRIO will try to choose the fastest tempo interpretation of your rhythm.
3. To return to normal operation, press the ALT TIME button again (the button will no longer flash). Now the TRIO will automatically determine whether a song part plays back at half or double time when enabling the ALT TIME button, based on the rhythm you played while teaching the song part.

## New Trio Footswitch Modes

When using an optional FS3X Footswitch for control, there are 3 modes of operation to select from. The table below shows the 3 modes and the functions controlled by each of the FS3X footswitches in each mode.

FS3X Mode	Press & Hold While Connecting	Footswitch 1	Footswitch 2	Footswitch3
Live	FS3X Footswitch 1	Toggle ALT TIME mode Can be used in learn mode to provide a tempo hint (red=slow and green=fast). **	Go to next STYLE (hold to go to previous STYLE)  Can be used in learn mode to override the automatic style selection. **	Go to next PART (hold when stopped to turn on drum stick count-in)
Table Top (Default)	FS3X Footswitch 2	Same as TRIO BAND footswitch	Go to next STYLE (hold to go to previous STYLE)	Go to next PART (hold when stopped to turn on drum stick count-in)
Live Mixer	FS3X Footswitch 3	Hold to Mute Bass	Hold to Mute Drums	Hold to mute Bass and Drums

\*\* When using the external footswitch to override automatic style selection or to set a tempo hint, you need to press and hold slightly longer the first time you change from automatic mode. This is to prevent mistakenly setting a style or tempo hint.

### To change the FS3X mode:

1. Ensure the TRIO is powered up and running.
2. Unplug the FS3X from the TRIO (if it is currently plugged in).
3. Press and hold the FS3X FOOTSWITCH corresponding to the desired mode (see table above).
4. While holding the FOOTSWITCH, plug the FS3X into the CONTROL IN jack. Keep holding the FOOTSWITCH down for at least 1 second after plugging in the FS3X before releasing it.
5. The TRIO will now use the new footswitch mode.

The current footswitch mode is remembered between power cycles.

## Setting the TRIO to use Simple Bass

Simple bass mode results in the TRIO bass player playing a single root bass note once per bar, or whenever the chord changes. Unlike the TRIO+, the TRIO has no dedicated Simple Bass button. However, as this was a highly requested feature, we have provided a way to set the TRIO to play in Simple Bass mode for all parts:

### To set the Simple Bass option:

1. Press and hold the GUITAR FX button. All lights on the user interface will turn off.
2. While holding down the GUITAR FX button, turn the BASS level knob all the way to zero - the ALT-TIME LED will light RED indicating you are now in simple bass mode.
3. To get out of Simple Bass mode, repeat step 2 but turn the BASS level knob to maximum - the red ALT-TIME LED will turn off indicating you are in normal bass mode.
4. In order to remind you that the TRIO is in simple bass mode, your currently selected style will always be RED instead of GREEN.

## Other Changes in this Firmware Update

1. In both normal bass operation and simple bass mode, the bass will now tend to play in a lower register more often.
2. Fixed a bug that caused the external footswitch to stop working when left plugged in for several days.
3. Fixed a bug that in very rare cases could cause the audio to drop out when rapidly changing genres.
4. Less noise / discontinuities when stopping/starting the band, and when changing genres with effects on.