

# ***TimeFactor FAQ***

## ***General***

### **What is the warranty for Eventide Stompboxes?**

The same as it is for our other products, one year parts and labor.

### **Are the Eventide Stompboxes compatible with other pedals?**

Yes. If you're using our Stompbox with a distortion pedal, we recommend that you connect our Stompbox after the distortion pedal. In general, it's best to place delay effects after distortion effects. That writ, use whatever sequence works best for your sound.

### **What is the sample rate?**

Because there is no digital I/O the sample rate is optimized for maximum audio performance for each effect and is program dependent.

## ***Power Supply***

### **What is its rating?**

9VDC, 1200mA, tip positive

### **Can you run the Stompboxes at a lower mA rating?**

Possibly. However we strongly recommend using the Eventide supply which has been tested and certified. Users may try lower Amperage rated supplies at their own risk. Resultant damage is not covered under warranty.

## ***Expression Pedal***

### **Can an Expression Pedal be used to control an effect?**

Absolutely. An Expression Pedal is a powerful creative controller when used with our Stompbox effects. An Expression Pedal can be programmed to control any combination of the ten effect parameters. If you're playing live, it's like having 12 hands, 2 for the guitar and 10 for the Stompbox's control knobs.

### **Which Expression Pedals are supported?**

Our Stompboxes will work with any Expression Pedal that is a simple resistive load (potentiometer) with a max value of 20kOhms. We've successfully used the Roland EV-5 (set the trim pot to 0), the Line6, and the Boss FV-500L (connect with a stereo cable).

### **Why can't I get my Expression Pedal to work right?**

If your Expression Pedal has a trim pot control, try adjusting it to either end of its range. If your Expression Pedal causes parameter values to go from min to max and back down to min again as you move from toe to heel, try connecting it using a stereo phone cable rather than a mono cable. If all else fails, get one of the ones that we've tested.

## ***MIDI***

### **Are the Stompboxes capable of synching with MIDI clock?**

Yes. Turn on MIDI Clock in the MIDI sub menu of System Mode.

### **Can bypass be MIDI / Aux switch controlled?**

Yes.

### **What else can MIDI be used for?**

You can program MIDI to load presets, change parameter values, set tempo, bypass and more. MIDI programming is done in System Mode. The unit can transmit MIDI program change via the footswitches, and MIDI continuous controller via the ten knobs.

### **How does the Stompbox choose MIDI over USB or DIN5?**

The Stompbox automatically detects whether a USB connector is attached. If one is, USB is selected for MIDI source and destination and any activity on the DIN connectors is ignored. If a USB cable is not attached, the DIN connectors are used to send and receive MIDI messages. So, if you want to send or receive MIDI using the DIN connectors, unplug the USB cable.

### **Can you control TimeFactor from ModFactor or Vice Versa?**

Yes. If you connect the two pedals together via MIDI, you can use the footswitches from one pedal to change patches on the other, and you can use the knobs on one pedal to change values on the other.

## ***Aux Switches***

### **Can bypass be Aux switch controlled?**

Yes.

### **What else can Aux Switches be used for?**

You can connect up to three Aux Switches and use them to control Preset loading, Bank changing, Tap Tempo, Infinite Repeat and Looper Stop, Play and Record.

### **Is there a recommended triple Aux Switch?**

We've successfully used the DigiTech FS300.

### **Can I use a single, mono Aux switch?**

Yes. A single, mono Aux switch will only work with the "T+R" (tip and ring) setting.

### **Can I control a TimeFactor and ModFactor from the same Aux Switch?**

Yes. By using a stereo 1/4 inch y-cable, you can connect one aux switch to two Eventide Stompboxes.

## ***USB***

### **What is USB used for?**

A few things. First, the USB interface is MIDI class compliant for use with your computer sequencer or DAW. The USB interface can also be used to dump your presets and load new presets. Finally, the USB interface is used to load software upgrades as they become available.

## ***Presets***

### **Can presets be saved to a computer?**

Yes. Presets can be stored to and retrieved from a computer either via the USB or the MIDI ports. You can use any program that receives and transmits MIDI System Exclusive Data (sysex.) We recommend the following freeware programs to backup presets:

For Mac: SysEX Librarian (see <http://www.snoize.com/SysExLibrarian/> )

For PC: MIDI-OX (see <http://www.midiox.com/> )

### **When I save a new preset must I overwrite one of the twenty stored presets?**

Yes, but you can restore the factory presets at any time

### **How can I restore Factory Presets and System Settings?**

To restore Factory Presets and all System Settings, power up while simultaneously pressing the Middle Footswitch and the Encoder until [INITIALIZING] scrolls across the Billboard display. CAUTION: This function will overwrite any Presets that you've saved. If you want to be able to restore one or more of your Presets you must first save them to a computer.

### **Can I restore Factory System Settings without losing my Presets?**

Yes. Power up while simultaneously pressing the Right Footswitch and the Encoder until [CLEAR SETUP] scrolls across the Billboard display.

### **Why did I get a "Bad Load" Message when restoring sysex from a computer?**

You need to increase the Output Buffer Size of your MIDI Utility to 8K. It can usually be in the preferences of the program.

## ***Audio In/Out***

### **Do the Stompboxes have "True Analog Bypass"?**

When in Relay Bypass, the input signal is hardwired to the output signal through relays so that the signal is unprocessed and does not go through the converters. There is an alternate setting for DSP Bypass whereby the signal goes through the A/D and D/A.

### **Do the Stompboxes have an analog dry path?**

After extensive testing with an analog dry path vs. converting the signal and doing the wet/dry mix after the converter, we chose the latter due to the fact that it ultimately sounds better. By changing the wet/dry mix after the conversion we avoid comb filtering resulting from phase cancellation which occurs when mixing together a dry analog signal with a signal which has gone through A/D and D/A. This comb filtering effect can seriously degrade your tone depending on the frequency. We use very high quality A/D converters which are very transparent and do not affect your tone (we have been making effects processors used by guitar players for over 30 years and have a proven track record in this area).

However, if you so desire, you can use a switcher or an analog pan pedal and run a completely dry analog signal path outside the Stompbox and run the TimeFactor at 100% wet. In fact, we have added a "Kill Dry" setting in the system menu if you are running your set up that way.

## ***TimeFactor***

### **What is dual mono in the TimeFactor?**

TimeFactor has two independent delays: Delay A and Delay B. Dual Mono feature means that you can have both Delay A and Delay B running on one output or if you have two outputs, you can assign A & B to each output independently or assign both to a single output .

### **Can I run one effect in A and another in B?**

A and B are separate delay lines so you can for example run a dotted 1/8th note in A and a slapback echo in B, however you cannot run one effect in A and a different effect in B (e.g. looper in A and a reverse delay in B).

### **Can loops be saved to as a preset or downloaded to a computer?**

No.