

Understanding the jamKAT with the DITI or FTB with your sound source

Since we announced the jamKAT™ on our website, folks have been asking lots of questions about the relationship between these products and sound modules. Here is a description of these instruments, how they work and what they do.

The **DITI** is at the heart of everything, so begin with this. It was our desire to create a new modernized Trigger MIDI Interface that would unquestionably be the most powerful interface ever created. Like our legendary drumKAT, it would need to have the ability to play velocity shifts, alternate note patterns, chords, transpositions and more. The DITI's ability to capture dynamics are 4 times of what the drumKAT was capable of. It would also need to be able to recognize all of the trigger pads that are on the market. Not a small feat as there are so many different sensing technologies on the market today. What this means is that you are not stuck in a “closed system” from other manufacturers. They make gear designed for their brand. We make gear that works with everyone. This gives YOU the power and the control to make your own personal setup. Use whatever combination of triggers you like.

Because FSR sensors recognize pressure and not vibration, a whole new generation of “gestures” would need to be implemented such as dampening, pitch bending, alternate notes determined by pressure, etc.

The DITI therefore focused much of its “control” on the ability to manipulate FSR sensors for ultimate expression, unlike anything else you could buy.

So now you have the DITI. What triggers should I get? The **jamKAT™** was designed for people who want to play with their hands. Notice all of the hand drum controllers out on the market, using a bunch of squares or circles for playing, does not make much sense! The jamKAT is designed for your hands with maximum play-ability because of the layout. The sensor design has been tweaked for hand playing with finger sensitivity not available on anything else. It uses an advanced FSR designed just for the jamKAT.

The jamKAT does NOT have any software in it. It was created to be connected to the DITI or FTB Box. Using a single cable coming from the jamKAT, it then connects to the DITI. In software you tell the DITI that you have a jamKAT plugged in, (these are called padtypes), Now the jamKAT and DITI are married for the ultimate hand drum playing experience.

We recognize that many folks already own a drum module that has trigger inputs built into it. These modules unfortunately do not know how to “read” any FSR triggers. The **FTB** box was created.

The FTB, which stands for **FSR -Trigger-Interface** was designed to convert the output of the jamKAT's sensors to trigger information (voltage) that these drum modules could recognize. The

jamKAT plays amazingly well on these drum modules..even better than the trigger pads designed for these drum modules in the first place. This gives the musician the ability to decide if they need the DITI for the advanced pressure features and increased dynamic range and the ability to TRAIN the jamKAT to one's personal taste or simply desiring to use their existing drum module for both trigger and sound control.

Another interesting feature of the FTB is that besides the jamKAT HD15 connector onboard, it also has 12 input jacks designed to be used with Aquarians onHEADs, inHEADs, and Alternate Mode's ALTZONE. Soon there will be the drumKAT HD, which uses the FSR layout of this legendary instrument, but allows you to plug it into the DITI or FTB.

Why pay for hardware for each FSR pad layout, when the DITI and FTB are available?

The SOUND MODULE.

Now you can use any sound module available on the market. BUT.... the DITI has pre-programmed set ups for just about every drum module on the market. What does this mean? You don't have to program the note number and program changes. In fact the DITI has thousands of these setups built right into its software. All you need to do is call up the name of the sound module, and then the DITI will display the kits right on its own screen. You've never seen this before!

Happy Jamming