

## Some fun tricks with the TCA1 TriggerCap

- **More information on the TCA1 setup can be found in the section, “ setting up Key Triggers”**

### Recording Chords :

- 1) Hold a chord on the fingerboard. Press the “REC” hotkey and see the “REC” LED flash. While holding the chord, tap one of the Trigger Pads and the chord will appear there.

If you only hear one note, go into the SENSORS/ EVENTS screen for that TPad and set the **PlayFunction** from *BASIC* to *ALL*. Now you’ll hear the full chord. You can tap the chord with one finger and play a bassline or melody on the fingerboard with the other hand. Set up all six TPad with chords this way.

You can also turn one of these chords into a sequence in the SENSORS/EVENTS by setting the **PlayFunction** to “*SEQUENTIAL*” to make the chord a sequence. Also, in the SENSORS/EVENTS screen you can change the note-duration from milliseconds to MIDI-clocks so you can adjust the sequence-timing with the onboard metronome. Press the softkey where it says gate-time and see the *asterix(\*)* appear after the number to indicate MIDI-CLOCKS. Then, go to the SENSORS/TIMING screen to set the Hit-Mode to *TIMED* so the TPad will play out its notes using the onboard metronome rather than timing the notes from your touch. Set the BPM where you like it in the UTILITIES/CLOCKS screen.

These little (up to 8-note) sequences may be also single-stepped by setting the PlayFunction to *ALT-UP*, *ALT-DN*, or *ALT-RANDOM*.

### Bend individual strings from the TCA-1

- 1) Set up a Ztar Song (preset) such as “6STRING” that has each fingerboard string on a different MIDI channel.
- 2) In the SENSORS screen, tap a TPad to select it. Set the MODE to *EVENTS*.
- 3) In the EVENTS screen set the **PlayFunction** to “*ContCtl*”
- 4) At the bottom of the EVENTS screen set the (only one) Event to *PitchBend-Up* and set the MIDI channel to the channel of the corresponding fingerboard string. If you set up all the TPad to match the fingerboard strings this way you’ll be able to hold a chord and bend individual strings by pressing the proper TPad.

accessories cont. -

## **Breath Controller Setup**

To adjust the sensitivity of the Breath Controller use the little air stop-valve mounted in the airline where it enters the Breath Port on the instrument. This is a bypass valve for the breath-sensor and when it's completely closed the all of your breath-pressure is routed to the sensor. Adjust this until you find the sweet spot that works best with your technique and the particular synth/patch setup.

## **PEDALS**

### **Volume/Expression Pedal**

We're looking for a 50 KOhm 3-terminal pot wired to a 1/4" stereo phono plug with the center tap being the ring terminal. 25 KOhm pots don't quite swing all the way. 100 KOhm pots are fine but no one seems to use them. The Yamaha FC-7 is ideal. Music Industries I think has a not-so-rugged pedal which is electrically about right. Kurzweil re-sells these. Also, I've seen them in Guitar Center at various times. The Roland EV5 has a different pot with different wiring but still works a little. I'd assume the Boss pedal is about the same but I haven't tested it. Also, I think a Korg expression pedal works.

### **Sustain Pedal**

Normally Open momentary footswitch wired to a 1/4" mono plug.

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- **Battery Pack connections, charging**

*If you have a MIDI connector on your battery Pack:*

Connect the Battery pack to the "Controller Jack on the PB1 Power Adapter. Plug the charger in to the DC power input on the PB1. The functions of the LED indicators are described on the back of the charger.

If you have a DC plug on the end of your Battery pack, simply plug the battery into the charger and turn it on.