

### WARNINGS:

- Attempting to repair unit is not recommended and may void warranty.
- Missing or altered serial numbers automatically void warranty. For your own protection, be sure serial number labels on unit and exterior box are intact.

### ONE YEAR LIMITED WARRANTY

**PROOF OF PURCHASE REQUIRED.** Manufacturer warrants unit to be free from defects in materials and workmanship for one (1) year from date of purchase to the original purchaser and is not transferable. This warranty does not include damage resulting from accident, misuse, abuse, alteration, or incorrect current or voltage. If unit becomes defective within warranty period, Tech 21 will elect to repair or replace it free of charge. After warranty expires, Tech 21 will repair defective unit for a fee.

**ALL REPAIRS** U.S. and Canada: Call Tech 21 for **Return Authorization Number**. Manufacturer will **not** accept packages without prior authorization, pre-paid freight (UPS preferred) and proper insurance.

**FCC Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Hand-built in the U.S.A.** using high-quality components sourced domestically and around the globe.

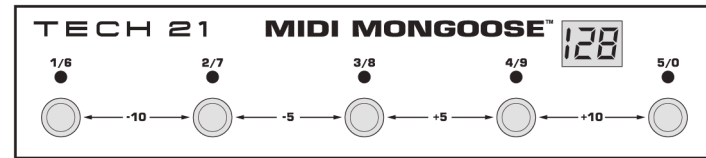
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# MIDI MONGOOSE™

## TECH 21 · NYC



### OWNER'S MANUAL

### PRODUCT OVERVIEW

Whether you're a MIDI-meister or amongst the MIDI-mindless, the MIDI Mongoose™ is a super simple way to control your gear on stage, in the studio, and on DJ decks for sound and lighting, too. Tech 21's intuitive engineering eliminates the intimidation of trying to decipher an encyclopedia-sized manual just so you can change a darn program.

The MIDI Mongoose is the next generation of its predecessor; the MIDI Moose. It has a significantly smaller footprint and additional capabilities. With just 5 footswitches, you can change your selection of preset programs by five or ten at a clip. The design is intended for you to have all the program changes you'll need within each song set up sequentially, so you need not have to switch from one grouping to another. There are 2 independent inputs for continuous controllers to facilitate use with your other MIDI equipment, as well as a 7-pin phantom power jack. You can also access a Special Functions Menu to assign MIDI channel numbers and to set continuous controller channel numbers and calibration.

The MIDI Mongoose (and its little cousin, the MIDI Mouse™) are *battery operable*, which eliminates stage clutter. Its sophisticated battery-saving feature and efficient power consumption provides a minimum of 200 hours usage. The MIDI Mongoose can also be powered by most standard adapters, including Tech 21's Model #DC4, as well as being phantom power operable via MIDI cable.

At Tech 21, it is our goal to offer useful, versatile, cost-effective products. It is our hope you find the MIDI Mongoose a welcome addition to your set-up.

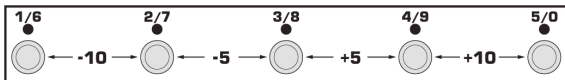
## CONNECTION & POWER

- **Utilizes standard 5-pin MIDI cable.** For phantom power operation, see below.
- **Utilizes standard 9V alkaline battery** (not included). To install, unscrew the 2 thumbscrews to remove the right side panel. Slide the bottom cover accordingly to access the battery clip and connect the battery. Slide the bottom cover back into position, replace the side panel and thumbscrews. **NOTE: Be careful not to pinch the connector wires when you slide the bottom cover back into position.**
- **USE DC VOLTAGE POWER SUPPLY ONLY!** Failure to do so may damage the unit and void warranty. DC Power Supply Specifications:
  - 9V DC regulated or unregulated, 100mA minimum;
  - 2.1mm female plug, center negative (-).
- **Optional factory power supply is available:**  
**Tech 21 Model #DC9.**
- **Phantom power operable via 7-pin MIDI cable.** Power must be between 8 and 15V DC, any polarity. The MIDI Mongoose will only accept (receive) phantom power via a 7-pin MIDI cable. Consult the owner's manual of your processor for its phantom power support capabilities and specifications.
- **Power consumption of LED display:** approx. 15mA.

## GUIDE TO OPERATION

### FOOTSWITCHES

Individual footswitches, 1/6, 2/7, 3/8, 4/9, 5/10, provide access to 5 program changes at a time. To increase or decrease program groupings 5 or 10 at a time, simultaneously depress the two corresponding footswitches marked accordingly on the MIDI Mongoose.



### SETTING MIDI CHANNELS AND CONTINUOUS CONTROLLERS

To enter the Special Functions Menu, simultaneously press Footswitches 1 and 5. Use Footswitch 1 or 2 to access the function you want. After you choose the function, follow the Footswitch chart to set your parameters.

DISPLAY	FUNCTION
ch	MIDI Channel 1-16
c1	CC1 Channels 00-127
c2	CC2 Channels 00-127
P1	CC1 Calibration
P2	CC2 Calibration
So	Software Revision Number Press footswitch 3 or 4 to view

Footswitch 1: Page Down
Footswitch 2: Page Up
Footswitch 3: Value Down
Footswitch 4: Value Up
Footswitch 5: Save/Exit

## CCI and CC2 CALIBRATION

Connect your continuous controller pedal to CCI jack with a TRS cable. Press Footswitches 1 and 5 to enter the Special Functions Menu. Press Footswitch 2 until the display reads P1. Then press Footswitch 4. Rock your continuous controller pedal all the way back and all the way forth --through the full sweep. The MIDI Mongoose display will flash as you cycle through numerical values indicating calibration and that the pedal and MIDI Mongoose are communicating. Press Footswitch 5 twice to save/exit.



Repeat this procedure for CC2 calibration, making sure to advance to P2 in the menu.

NOTE: If you do not see numerical values going up and down as you rock your continuous controller pedal back and forth, be sure you are in the correct menu. Then recheck all your cables and connections.

## MIDI CHANNELS

To communicate program change information, the MIDI Mongoose and the receiving MIDI unit(s) must be on the same channel. You need not change the MIDI Mongoose channel if your receiving unit is on OMNI. (OMNI mode receives MIDI program change info on any of the 16 selectable MIDI channels.)

The MIDI Mongoose is factory set at Channel 1.

If you have two or more MIDI controlled processors linked together, be sure they and the MIDI Mongoose are all on the same channel. If you do not want a particular processor in the chain to accept program change information from the MIDI Mongoose, be sure to change that unit's channel.

## OPERATION WITH 9V BATTERY

### “Standby Mode”

When utilizing a 9V battery, the numerical display will go dark after 10 seconds of inactivity. This “standby mode” conserves the life of the battery. You can still make a program change directly within the same grouping by depressing the footswitch of the next program number you want. If you forget where you were, you can “wake up” the MIDI Mongoose by depressing the footswitch that corresponds to the LED that is lit (which remains on even in standby mode). The numerical display will turn on and the program number you are in will reappear for 10 more seconds and then go dark again.

Individual LED indicators will shut down after approx. one hour of inactivity.

### Shut Down

To turn the MIDI Mongoose off, hold Footswitches 1 and 5 down for 3 seconds. As with any electronic device, we recommend removing the battery if you know you won't be using it for several weeks or longer.

NOTE: As the battery nears depletion, the LED display will dim.