FTT-200 Foot Pedal Operating   Manual

LMC Systems

Voice Solutions for your PC

Table Of Contents

Introduction

There are currently four models of the LMC Systems foot pedal. The four models can easily be distinguished by the color of the indicator light in the rear. The convention is as follows:

FTT-100 – Green LED   Simulates a keyboard single key stroke
                                    - Factory programmed to the customer's preference.

FTT-150 - Yellow LED   Serial /USB device that sends a preset serial string based on the foot pedal position (up/down).

FTT-200 - Blue LED   USB device that the user can program to send a single keystroke or a string of keystrokes. The user can select to sequentially increment a string (Sequential) or send it in one press (Immediate).

FTT-300 - Orange LED   This model sends a game controller command and like the FTT-150 it does not interfere with the keyboard functions

———————————————————— § ————————————————————

FTT-100

The FTT-100 is a single key USB keyboard made to work with a host of computers or machine controllers that need a method of executing a function. For example, a common use is push to talk in communications or "start" / "stop" for a machine control process.

Factory pre-programmed keystrokes can include any combination of the modifiers Ctrl, Alt, and Shift. Ctrl-Alt-Shift-a, Ctrl-p, and Alt-F4 are just a few examples of what can be programmed.

Being factory programmed adds the convenience of tamper proof programming.

There are no utilities associated with this model.

———————————————————— § ————————————————————

FTT-150

The FTT-150 is a USB to serial device. A serial device does not interfere with keyboard functions if utilization of both is required at the same time.

This product is intended to work with a host of computers or machine controllers that need a method of executing a function. For example, a common uses are push to talk in communications, or "start" / "stop" for a machine control process.

The serial mode is factory set for 9600-8-N-1-N.

"Down" is sent when the pedal is pressed and "up" is sent when the pedal is released.

There are no utilities associated with this model.

FTT-200

The FTT-200 is multi-function USB keyboard made to work with a host of computers or machine controllers that need a method of executing a function. For example, two common uses are push to talk in communications or "start" / "stop" for a machine control process.

User programmed keystrokes can include any combination of the modifiers Ctrl, Alt, and Shift. Ctrl-Alt-Shift-a, Ctrl-p, and Alt-F4 are just a few examples of what can be programmed.

- Sequential: Every press of the pedal executes one keystroke in a preprogrammed string.
- Immediate: Every press of the pedal sends an entire preprogrammed string.
- Keyboard Key: Only one character is allowed. This behaves identically to a key on a keyboard in the [key down] / [key up] fashion.

There are no utilities associated with this model.

———————————————————————— § ————————————————————————

FTT-300

The FTT-300 is a USB to game port device. A game port device does not interfere with keyboard functions if utilization of both is required at the same time.

This product is intended to work with a host of computers or machine controllers that need a method of executing a function. Like the FTT-150, common uses include push to talk in communications, or "start" / "stop" for a machine control process.

There are no utilities associated with this model.

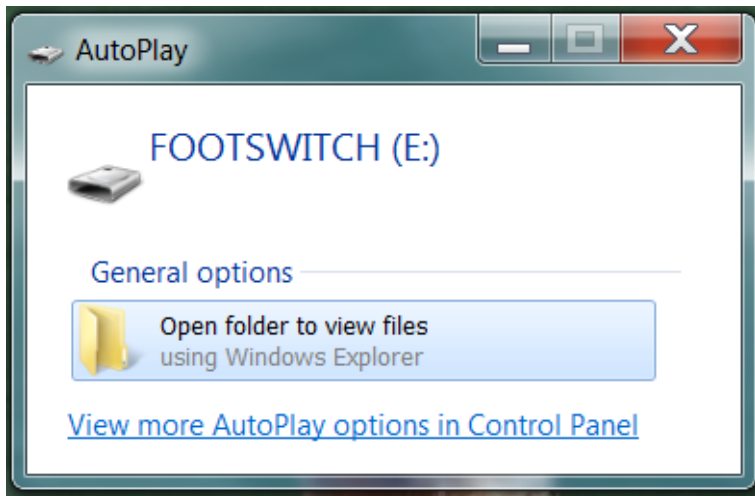# General FTT-200 Programming Instructions

Figure A

The FTT-200 is a much more sophisticated and versatile device than its predecessor, the FTT-100. It is a user programmable single key or multi-character string USB device. Through a utility built into the foot pedal, the user can program any key or sequence of keys desired up to 30 characters. When plugged in to a USB port, the foot pedal enumerates as a storage device named "FOOTSWITCH" (Figure A). There are known instances in Windows™10 where the new device window does not pop open. Continue to (Figure B).

On that storage device is a single executable program (Figure B). That file is the utility to program the foot pedal.
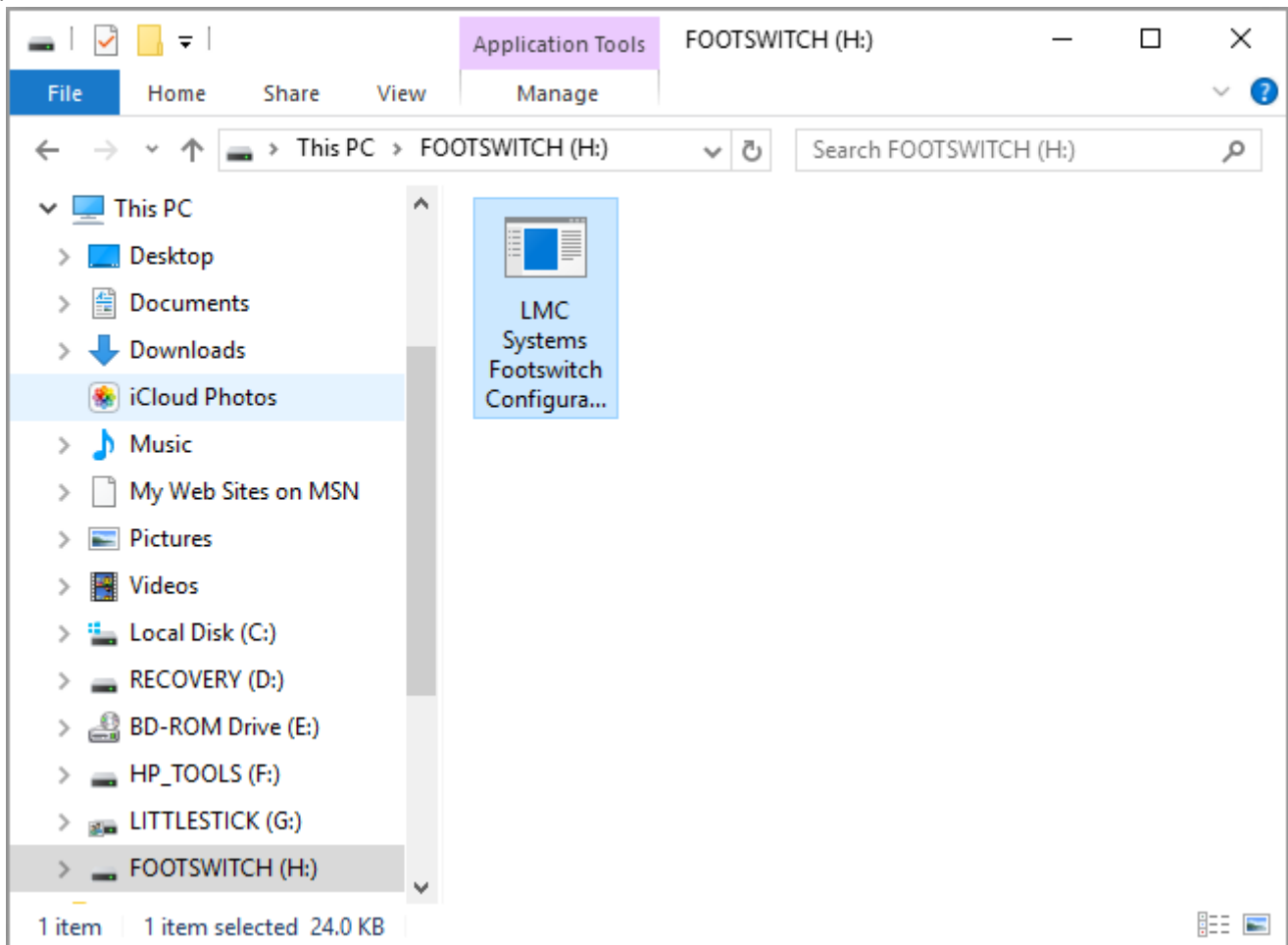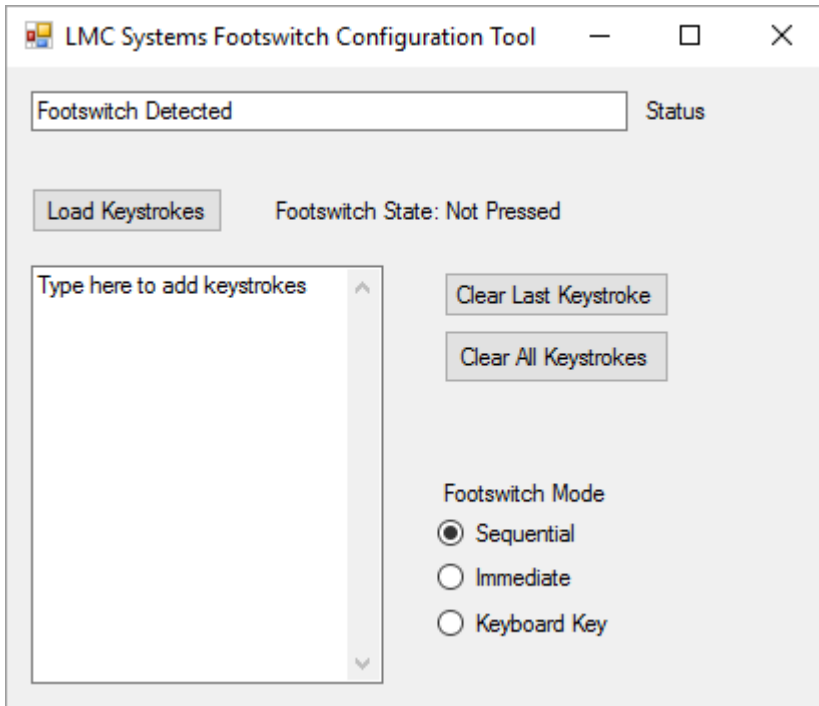

Figure B

Execute "LMC Systems Footswitch Configuration Tool.exe" and a configuration window will appear (Figure C).

Figure C

In the highlighted window type only the sequence that you want the FTT-200 foot pedal to reproduce. You may type up to 30 characters, including modifiers such as Ctl, Alt, and Shift. Note that brackets and other characters are added in the window. They will not appear in the output that has been typed in the window. This is an artifact of the foot pedal utility.

When done loading the desired characters, click on "Load Keystrokes" button to program the footswitch (Figure D). The footswitch is now programmed and ready to go. The Configuration Tool window may be closed.
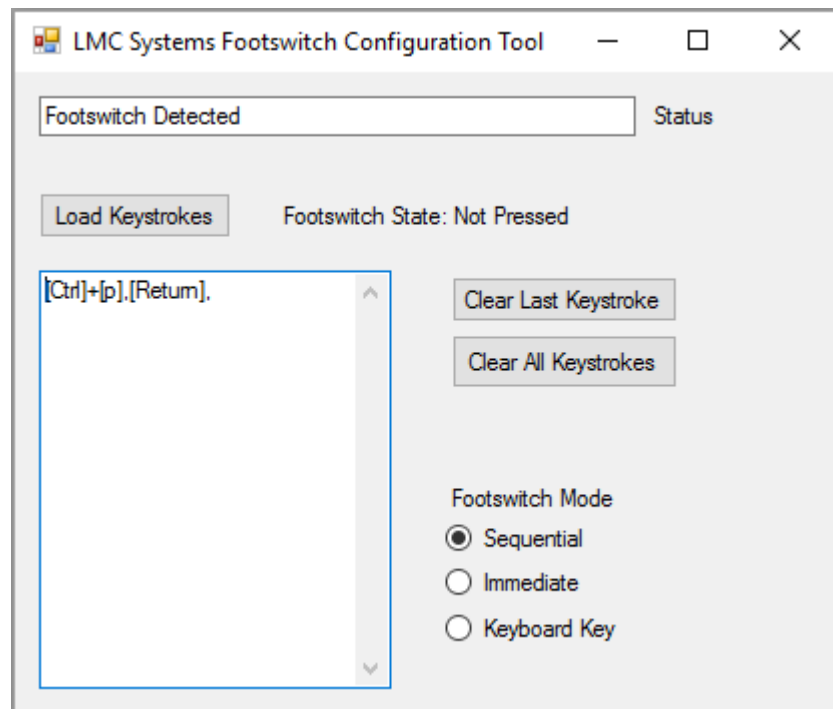

Figure D

To change the programming simply repeat the beginning procedure.

Footswitch Modes:

Sequential:

For each press of the pedal, the next character is sent. For example: if "cat" were programmed into the foot pedal, the first press would send a "c". The second press would send an "a". The third press would send a "t". This sequential mode is useful for a task such as printing a page. The programming would be "Ctrl-p" then "Return". The first press of the foot pedal would bring up a print window. (Figure E) The second press would execute the "OK" in the print window since the default highlighted box is "OK". A page would then print. The string is complete and would revert back to the beginning of the sequence "Ctrl-p"
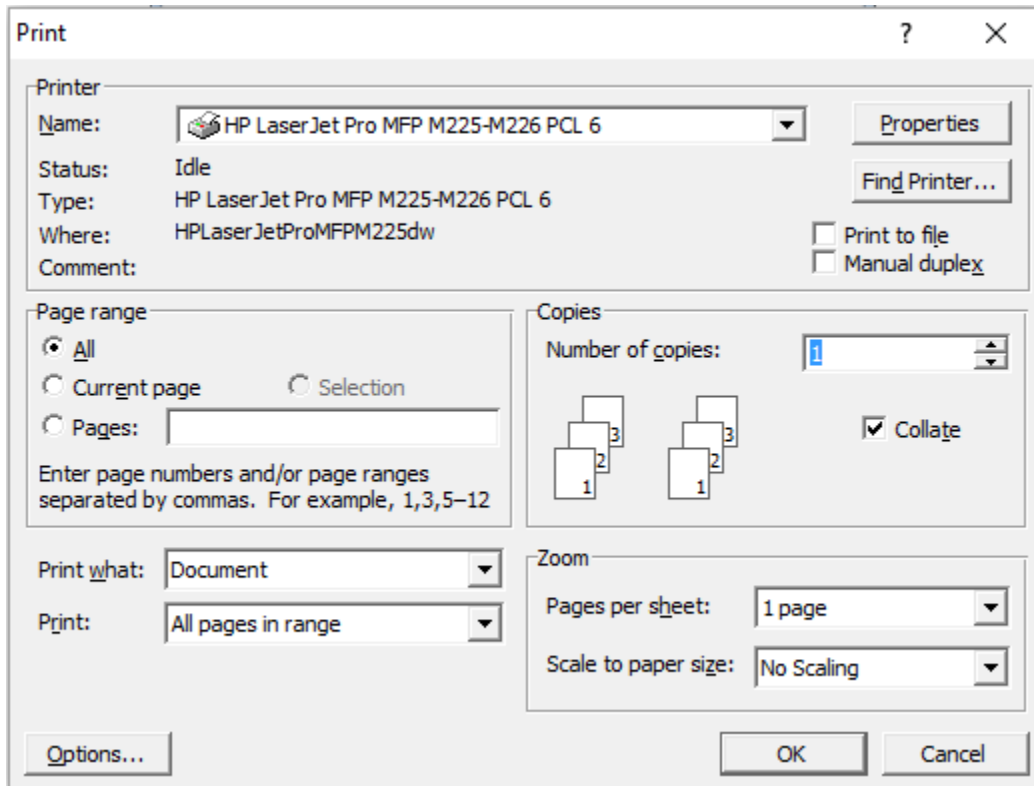

Figure E

Immediate:

Using the "cat" example, load the keystrokes "c-a-t" (Figure F). Select the "Immediate" radio button in the lower right section. With every press of the foot pedal, the entire string of "cat" would be sent (Figure G). This example show two presses of the foot pedal.

Certain situations like "Ctrl-p "Return" will not work in this mode. In the time it takes for the printer window to open, the [enter] command has already executed before the "OK" in the print window can appear. For document printing to work this must be done in the "Sequential" mode.
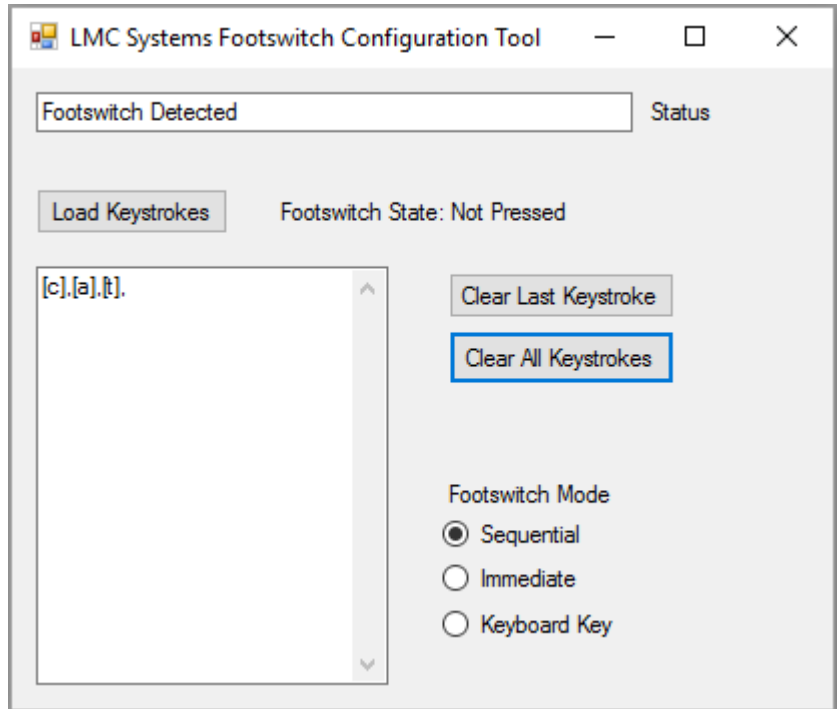
LMC Systems Footswitch Configuration Tool — □ ×

Footswitch Detected   Status

Load Keystrokes   Footswitch State: Not Pressed

[c].[a].[t].

Clear Last Keystroke

Clear All Keystrokes

Footswitch Mode
◉ Sequential
○ Immediate
○ Keyboard Key

Figure F

Untitled - Notepad — □ ×
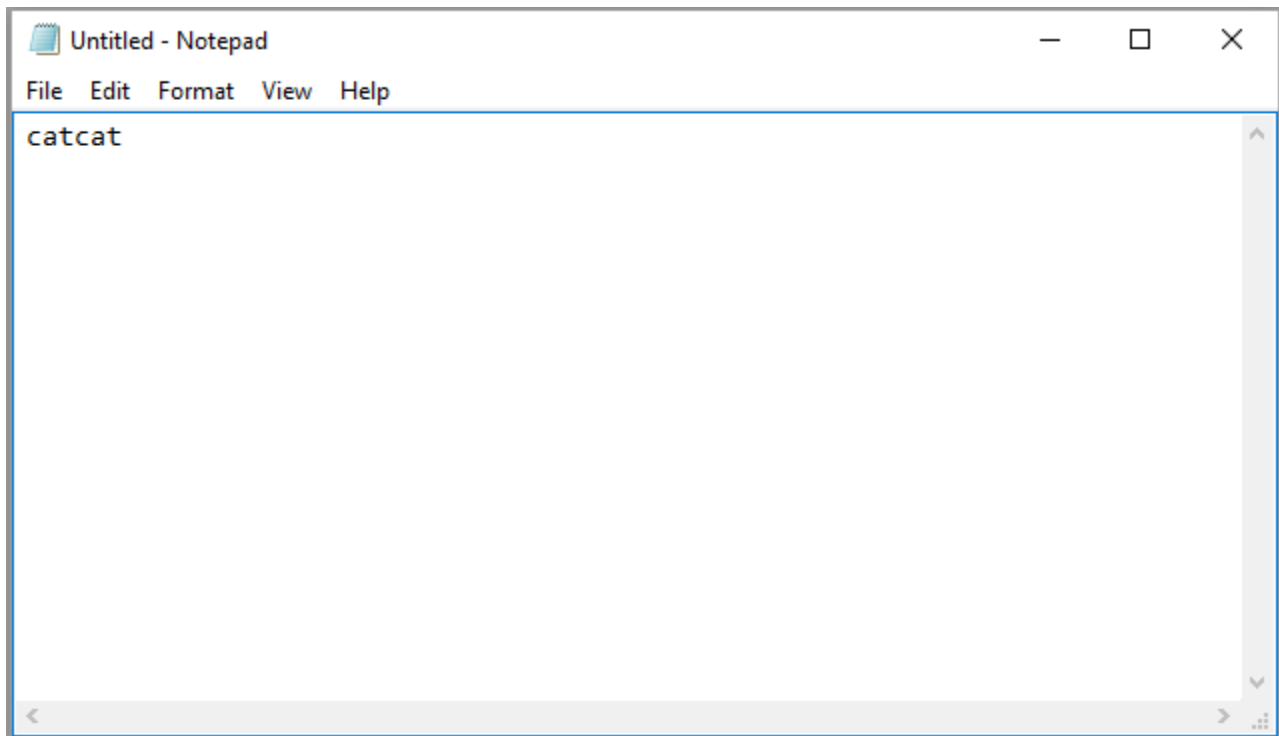
File   Edit   Format   View   Help

catcat

Figure G

Keyboard:

For each press of the pedal, a single character is sent (Figure H). In this mode the footswitch can be used for repeating a single action, in this case a "g" key.
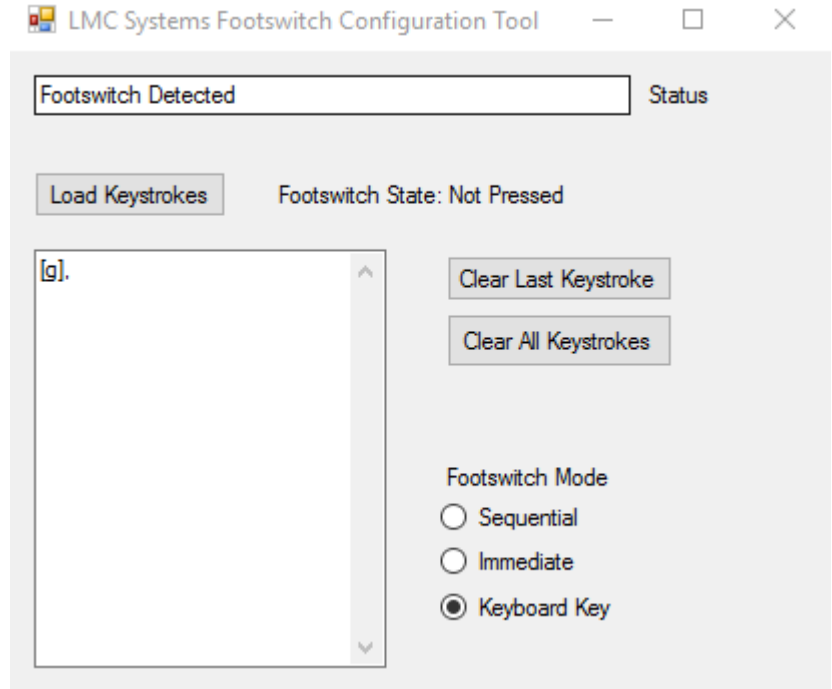
LMC Systems Footswitch Configuration Tool — □ ✕

Footswitch Detected   Status

Load Keystrokes   Footswitch State: Not Pressed

[g].   Clear Last Keystroke

Clear All Keystrokes

Footswitch Mode
○ Sequential
○ Immediate
◉ Keyboard Key

Figure H

Keyboard mode exactly replicates the [key down] / [key up] actions of a keyboard including the repeat action (Figure J).

Untitled - Notepad — □ ✕

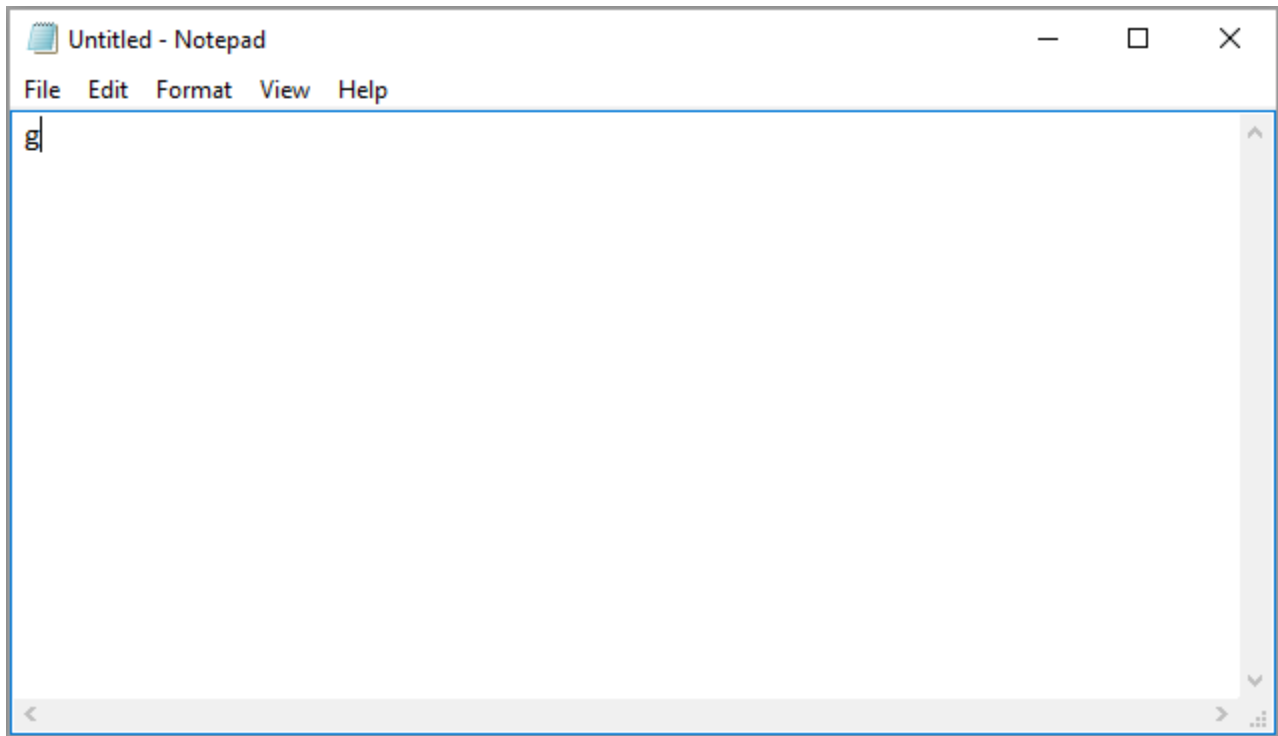File   Edit   Format   View   Help

g

Figure J

Clearing Programming:

In all modes to clear any programming, choose either the "Clear Last Keystroke" or "Clear All Keystrokes" buttons. (Figures K and L)
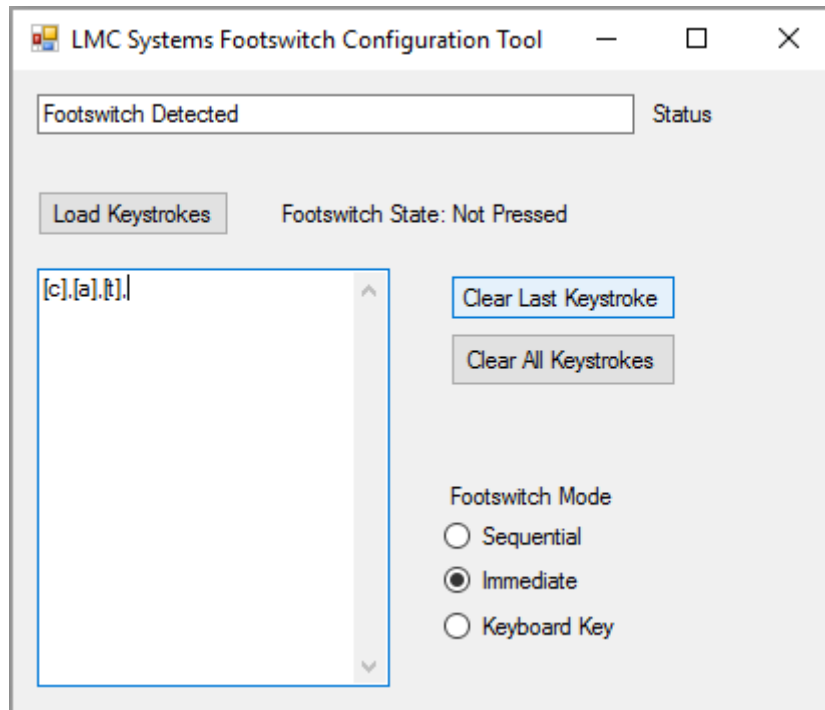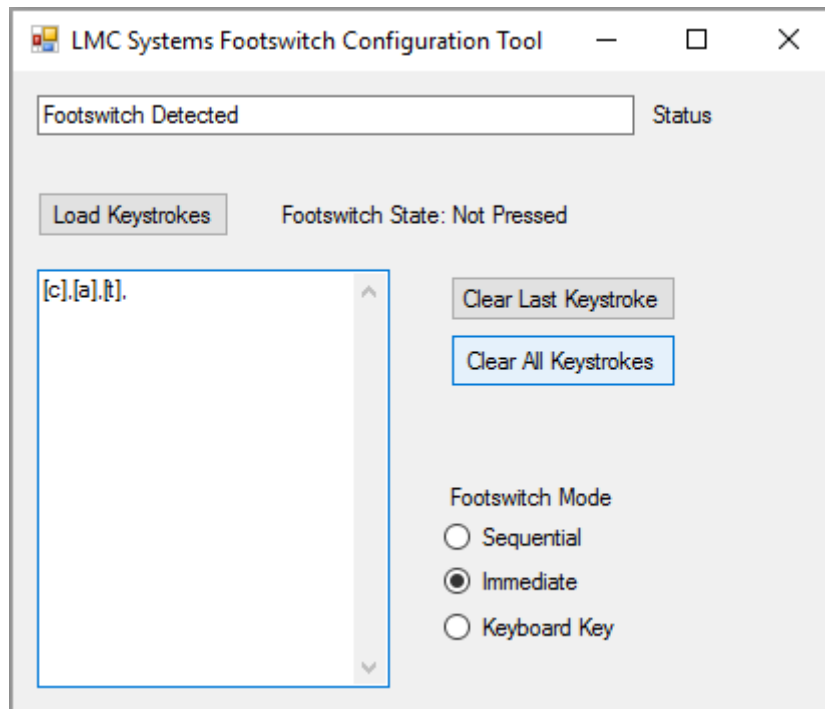

Figure K

Figure L

Technical Support Contact:

support@lmc-systems.com

Specifications:

FTT-100:

Device powered from host.
USB 2.0
Power consumption: 21mA
BTUs: 0.5 BTU/h

FTT-150:

Device powered from host.
USB 2.0
Power consumption: 21mA
BTUs: 0.5 BTU/h

FTT-200:

Device powered from host.
USB 2.0
Power consumption: 23mA
BTUs: 0.5 BTU/h

FTT-300:

Device powered from host.
USB 2.0
Power consumption: 21mA
BTUs: 0.5 BTU/h

This page intentionally left blank