

## Quick Start Guide

### Model 317

#### USB Cash Drawer Trigger Module

The Model 317 External Trigger Module is designed to provide USB interfacing to "base" or "solenoid" based cash drawers. This allows cash drawers, previously attached to POS printers and cash registers, to be connected to a USB port.

The M317 USB Trigger Module uses a Virtual Serial Port Driver, making it appear to software like a standard RS232 Serial Port. This way existing POS Software can communicate with the USB Cash Drawer Trigger as though connected to a Serial Port. A unique serial number is assigned to each USB Trigger Module and the Driver Software will assign the next available Serial Port to each device it recognises (multiple Triggers can be used on one PC).

The interface module is designed to accept modular cash drawer connectors and is USB Bus powered. All standard POS printer drawer open commands are used to trigger the device and the ESC/POS status command is also available to read the drawers open or closed condition.

When installing the Model 317 Trigger Module for the first time a Windows driver is required. Windows will install two devices, a USB high speed serial converter ( M317 Cash Drawer Trigger ) and USB serial port ( virtual "com" port ). The driver can be downloaded from:

<http://www.ftdichip.com/Drivers/VCP.htm>

Unzip the driver to an appropriate directory. eg C:/M317

Plug the M317 into the USB port. Windows finds the new device and builds the driver database, then the "Add new hardware wizard" starts.

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Windows will now look for a driver, select "search for the best driver", this is located in the directory you unzipped to. Eg C:/M317

Select "Specify a location", and use "Browse" to locate the driver files. eg C:/M317 Select "Next", then "Finish". Do this again as Windows finds the second device.

The M317 uses a Virtual Serial Port Driver – which makes the USB port look and act as a Serial Port using the Settings – 9600 Baud, 8 Bits, no Parity, 1 Stop bit, Hardware Flow Control.

This way existing POS Software can communicate with the USB Cash Drawer Trigger while being virtually connected to a Serial Port.

The following commands, when sent to the allocated virtual port, can be used to trigger the M317.

Command	Hex	Description
<b>Open Commands</b>		
^G	07	Citizen 'Open Cash Drawer 1'
ESCp0	1B,70,0	Epson 'Open Cash Drawer 1'
<b>Commands to obtain information from M317</b>		
GSaFF	1D,61,FF	Epson 'Enable Automatic Status

For support, please call:

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