



## PRO2 - Programmer Operations Manual



### **Product Overview**

The PRO-2 Programmer is a simple device that can be used to update the firmware in an Apex, Trilogy, and Curve bill acceptor. The updating process takes little time to setup and even less time in the field to update your bill acceptor. The Pro-2 also allows an unlimited amount of updates. To use this device you will connect it to a PC and load it with the appropriate firmware file, then just remove the PRO-2 from your PC. You then can easily update a bill acceptor on location using only the PRO-2, no computer necessary.

## **Loading Programmer from PC**

Your system must be running Windows XP Service Pack or later. We support both 32-bit and 64-bit Windows operating systems. Please see our product website for more details.

<http://pyramidacceptors.com/products/pro-2/>

You will need the Pyramid Serial Driver to use our tools. Please select a driver appropriate for your system. If you are unsure, please contact our tech support team.

<b>Operating System</b>	<b>Link to Driver</b>
32-bit	<a href="http://pyramidacceptors.com/phoenix/PyramidSerialDriver-x86.msi">http://pyramidacceptors.com/phoenix/PyramidSerialDriver-x86.msi</a>
64-bit	<a href="http://pyramidacceptors.com/phoenix/PyramidSerialDriver-x64.msi">http://pyramidacceptors.com/phoenix/PyramidSerialDriver-x64.msi</a>

Please run the PRO-2 setup located at:

<http://pyramidacceptors.com/apps/pro2tools/index.htm>

## **Flash Programming your PRO-2**

Click on "**Connect.**"

This allows you to update the firmware in your PRO-2 to the desired firmware file that is saved to a folder on your PC. See "**Your Application**" chart below.

Next, click "**Browse**" select the file you wish to use for reprogramming your acceptor. Finally, click on "**Program**" to begin the Flash programming process.

Do not disconnect the device during this process. The device will display a "solid on" green LED when the programming step is complete.

Please match your application below to select the correct firmware file.

## **Updating Bill Acceptors:**

While power is applied to the Acceptor, please connect the PRO-2 to the 6-pin Flash Memory Port of the Acceptor. Please review the following flash codes for the status of the PRO-2 programmer. When the LED is solid green the PRO-2 has finished and may be disconnected.

## **Firmware Chart**

This chart is for USA firmware, but the Pro 2 may be used to reprogram acceptors for all countries and currencies.

## **Apex 5000 Series**

<b>Your Application</b>	<b>5200 (\$1 - \$5)</b>	<b>5400 (\$1 - \$20)</b>	<b>5600 (\$1 - \$100)</b>
<b>120VAC Vending</b>	Apex52USAXXXV11 .PDB	N/A	N/A
<b>24VDC MDB Vending</b>	Apex52MUSAXXX .PDB	Apex54MUSAXXX .PDB	Apex56MUSAXXX .PDB
<b>120VAC 12VDC Amusement Kiosk</b>	Apex52USAXXX .PDB	Apex54USAXXX .PDB	Apex56USAXXX .PDB
<b>Pot "O" Gold</b>	N/A	Apex54USAXXXS36 .PDB	Apex56USAXXXS36 .PDB
<b>Standard Change-Makers</b>	Apex52MUSAXXXS92 .PDB	Apex54MUSAXXXS92 .PDB	Apex56MUSAXXXS92 .PDB

## Apex 7000 Series

Your Application	7400 (\$1 - \$20)	7600 (\$1 - \$100)
24VDC MDB Vending	Apex74MUSAXXX .PTI	Apex76MUSAXXX .PTI
120VAC 12VDC Amusement Kiosk	Apex74USAXXX .PTI	Apex76USAXXX .PTI
Pot "O" Gold	Apex74USAXXXS36 .PTI	Apex76USAXXXS36 .PTI
Standard Change-Makers	Apex74MUSAXXXS92 .PTI	Apex76MUSAXXXS92 .PTI

## Trilogy and Curve Series

Your Application	Trilogy (\$1 - \$20)	Curve (\$1 - \$20)
120VAC 12 VDC Vending Amusement Kiosk	T5USAXXX .PDB	CVUSAXXX .PDB
24VDC MDB Vending	T5MUSAXXX .PDB	N/A

### Notes:

1. The above USA firmware files can be accessed on the PTI website at <http://pyramidacceptors.com/support/usa-firmware/>
2. Revision number is subject to change. "xxx"
3. Please contact PTI's Technical Support for "Special" and "Coupon" firmware.

**Phone:** 480-641-9733      **Email:**  
[support@pyramidacceptors.com](mailto:support@pyramidacceptors.com)

## **LED Flash Code Errors:**

Green Flashing	Connecting
Red/Green Flashing	Programming
Solid Green	Finished Programming
Red Flashing	Flash update error please try again
Solid Red Flash	Connected to PC
One Red Flash	Restart
Two Red Flashes	Wrong Firmware File
Three Red Flashes	No Firmware File

**Need Assistance?  
Call 480-641-9733  
7:00 to 2:30 Pacific Time  
We are here to Help!**