



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.

Operating System	Link to Driver
32-bit	http://pyramidacceptors.com/phoenix/PyramidSerialDriver-x86.msi
64-bit	http://pyramidacceptors.com/phoenix/PyramidSerialDriver-x64.msi

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

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

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!**