

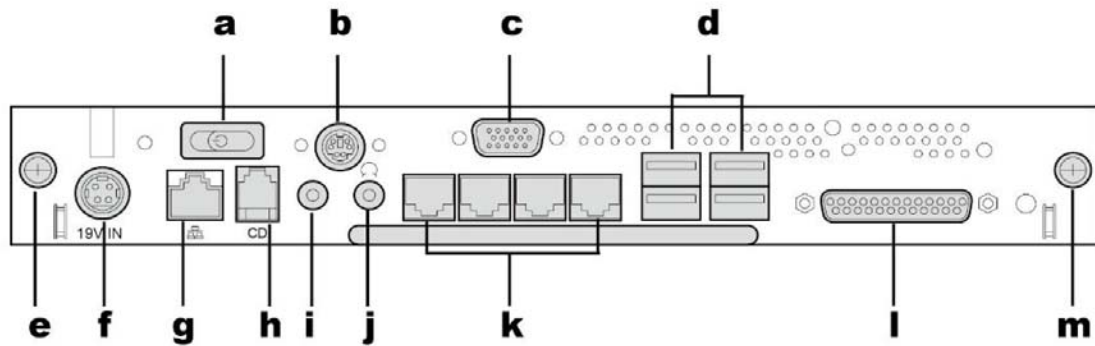
# Touch Dynamic Breeze AIO Installation and Configuration

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This document provides step-by-step instructions for setting up your Touch Dynamic system, which contains the following components: the Touch Dynamic Breeze Terminal, the Integrated MSR, and the Touch Dynamic Printer.

## Hardware Ports



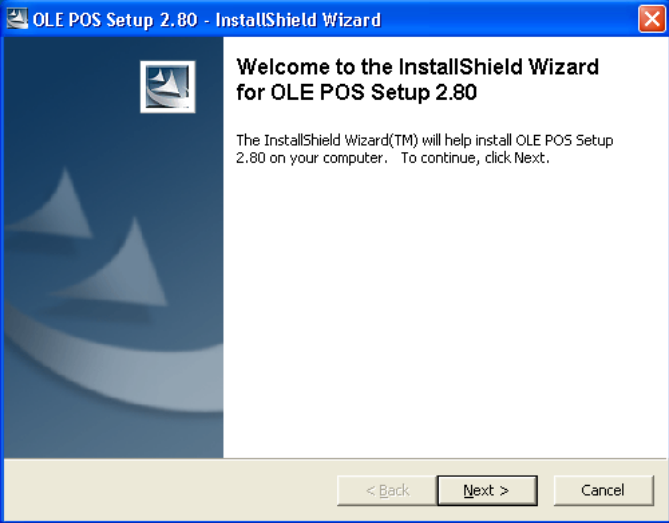
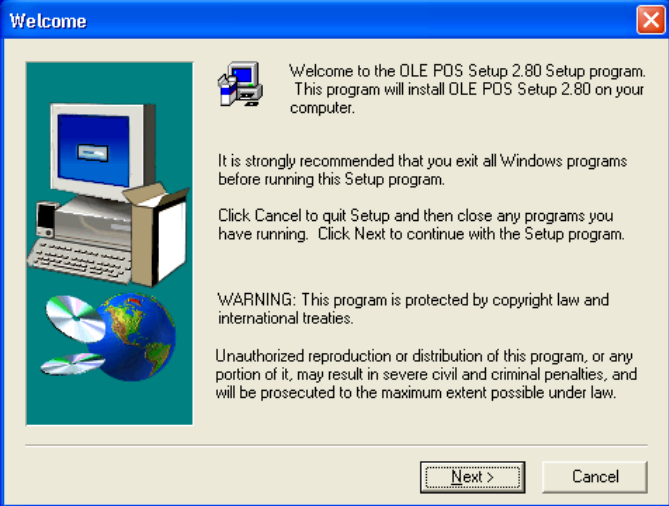
<b>a</b>	Power Switch	<b>h</b>	Cash Drawer Port
<b>b</b>	PS2 Connection	<b>i</b>	MIC – In
<b>c</b>	VGA Connection (for optional Virtual Pole Display, or second monitor)	<b>j</b>	Line – Out
<b>d</b>	USB Ports (for connecting USB Peripherals)	<b>k</b>	Serial Ports (COM 1 through 4)
<b>e</b>	Thumbscrew for fixing the motherboard	<b>l</b>	Parallel Port
<b>f</b>	DC-IN: 19V Power	<b>m</b>	Thumbscrew for fixing the motherboard
<b>g</b>	LAN (Internet will Connect Here)		

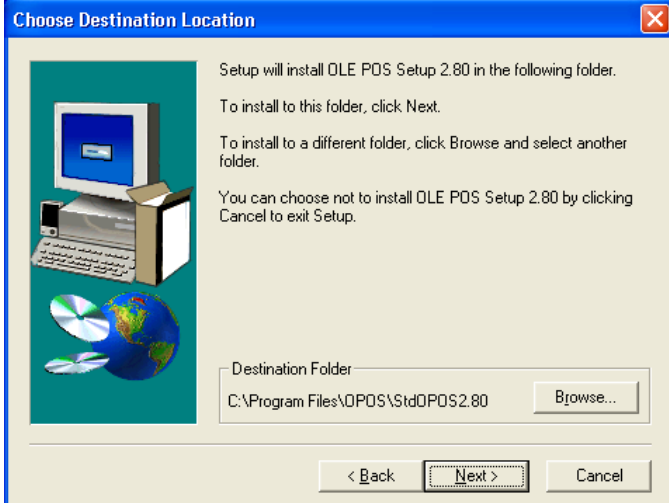
## Installing the TP 3000 Thermal Printer driver

The installer for the TP 3000 can be downloaded at:

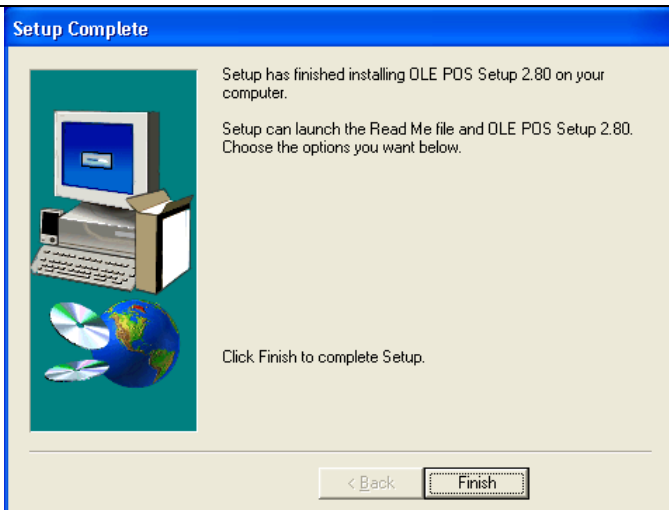
[http://download2.pcamerica.com/drivers/Manufacturer/Touch\\_Dynamic/TP\\_3000.zip](http://download2.pcamerica.com/drivers/Manufacturer/Touch_Dynamic/TP_3000.zip)

Double-click the installer and follow these steps:

	<p>Select <b>Next</b>.</p>
	<p>Select <b>Next</b>.</p>



Select **Next**.



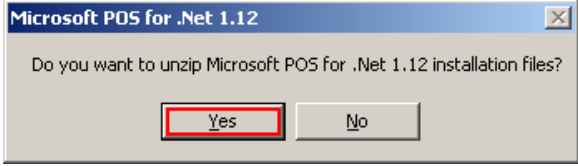
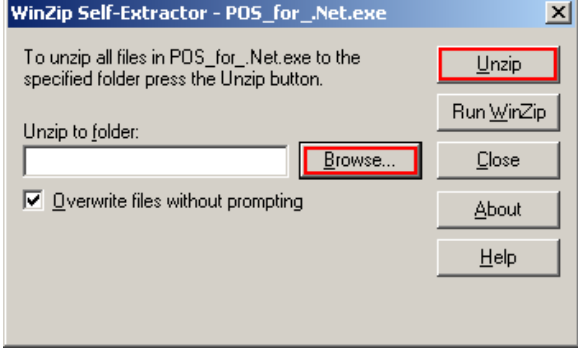

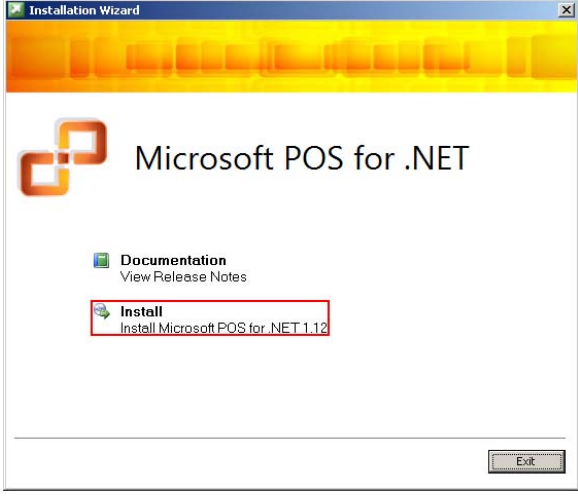
Select **Finish**.

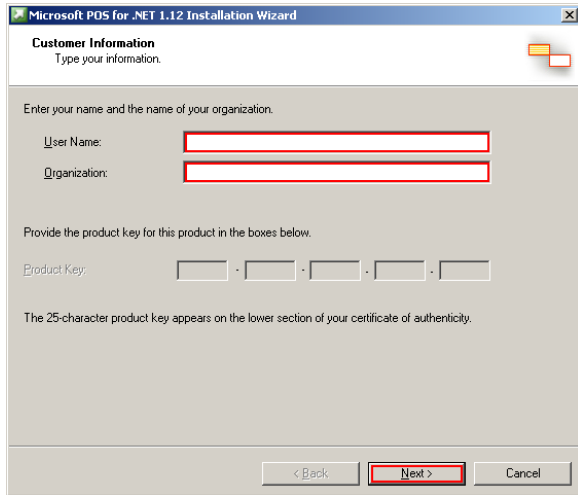
## Installing Microsoft POS for .NET

The installer for Microsoft POS for .NET can be downloaded at:

[http://download2.pcamerica.com/drivers/POS\\_for\\_.Net.exe](http://download2.pcamerica.com/drivers/POS_for_.Net.exe)

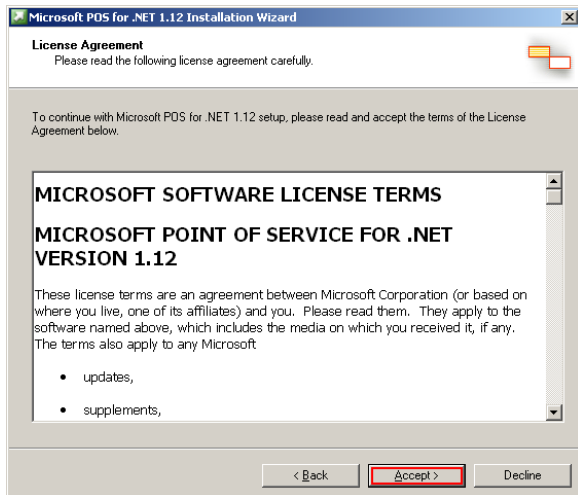
Double-click the installer and follow these steps:

 <p>A dialog box titled "Microsoft POS for .Net 1.12" with a close button in the top right corner. The text inside asks, "Do you want to unzip Microsoft POS for .Net 1.12 installation files?". There are two buttons: "Yes" and "No". The "Yes" button is highlighted with a red rectangle.</p>	<p>Select <b>Yes</b>.</p>
 <p>A dialog box titled "WinZip Self-Extractor - POS_for_.Net.exe" with a close button in the top right corner. The text says, "To unzip all files in POS_for_.Net.exe to the specified folder press the Unzip button." Below this is a text field for "Unzip to folder:" followed by a "Browse..." button. There are several other buttons: "Unzip", "Run WinZip", "Close", "About", and "Help". The "Unzip" and "Browse..." buttons are highlighted with red rectangles. A checkbox labeled "Overwrite files without prompting" is checked.</p>	<p>Select <b>Browse</b> and select a folder to unzip all files to.</p> <p>Select <b>Unzip</b>.</p>
 <p>An icon for "Setup.exe" showing a cardboard box with a green arrow pointing to the right. To the right of the icon, the text reads: "Setup.exe", "Microsoft Setup Wrapper", and "Microsoft Corporation".</p>	<p>Navigate to the folder containing the unzipped files.</p> <p>Double-click on <b>Setup.exe</b>.</p>
 <p>An "Installation Wizard" window for "Microsoft POS for .NET". It features a yellow and orange header with the Microsoft logo. Below the logo, the text "Microsoft POS for .NET" is displayed. There are two main options: "Documentation" (with a sub-option "View Release Notes") and "Install" (with a sub-option "Install Microsoft POS for .NET 1.12"). The "Install" option is highlighted with a red rectangle. An "Exit" button is located at the bottom right.</p>	<p>Select <b>Install</b>.</p>

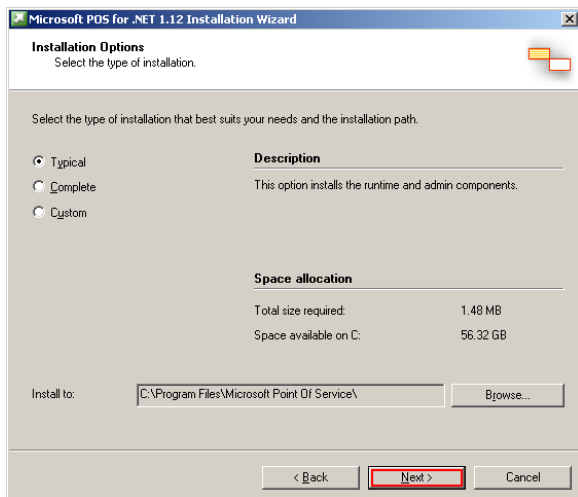


Provide a user name and organization.

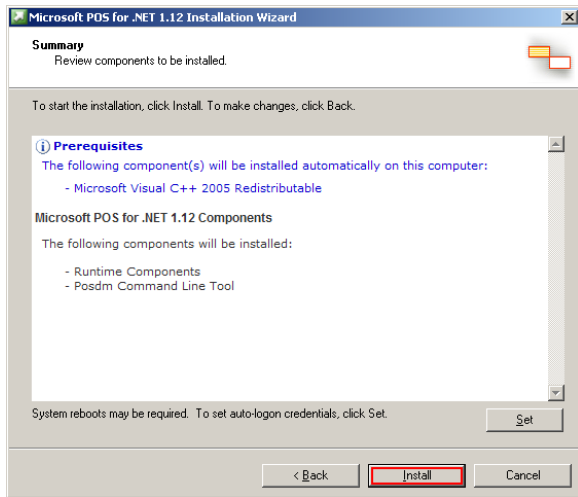
Select **Next**.



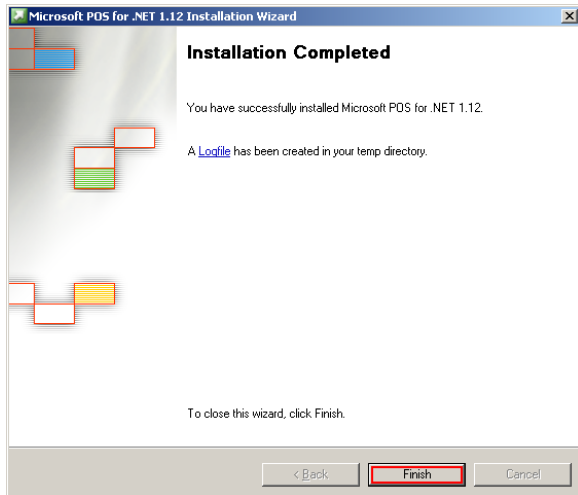
Select **Accept**.



Select **Next**.



Select **Install**.



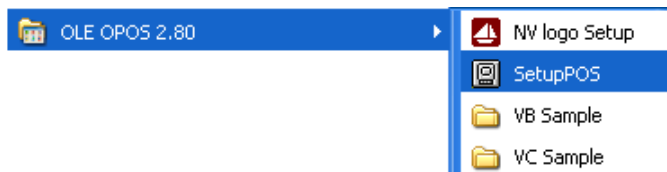
Select **Finish**.

## TP 3000 Thermal Printer Driver Configuration

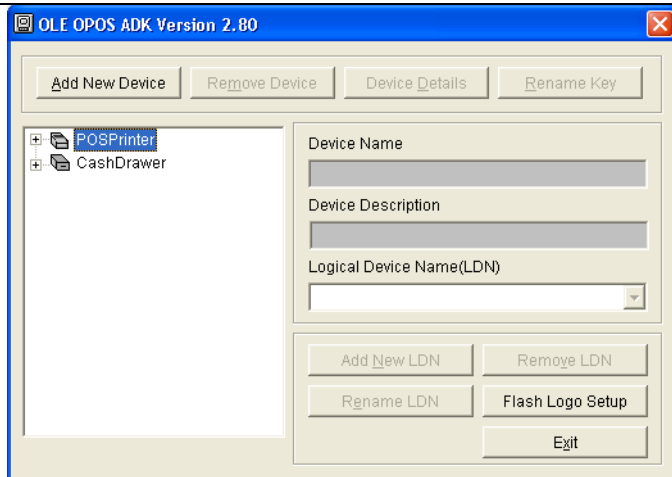
We will now need to configure the printer driver for the printer and the Cash Drawer.



Select **Start** then select **All Programs**.

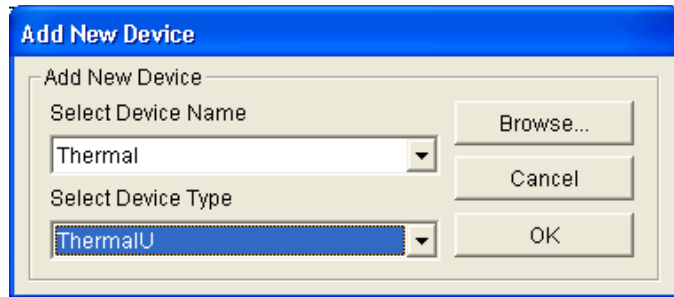


Select **OLE OPOS 2.80** then select **SetupPOS**.



Select **POSPrinter**.  
Select **Add New Device**.



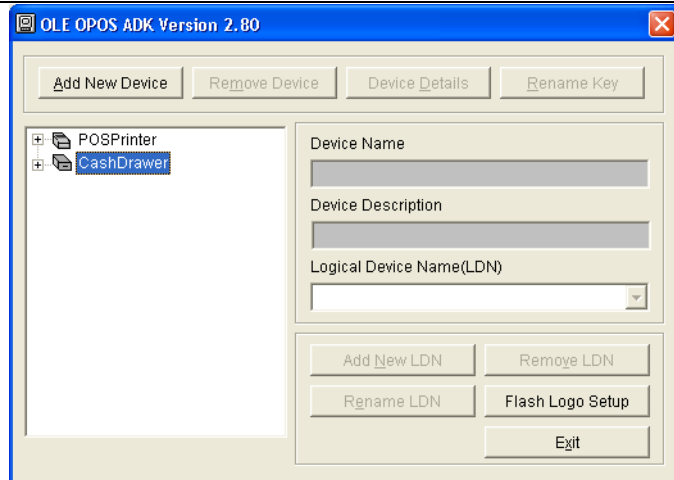


Use the dropdown under **Select Device Name** to select **Thermal**.

Use the dropdown under **Select Device Type** to select the printer Type:

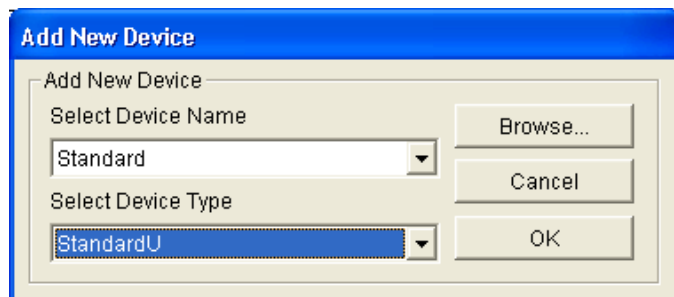
- ThermalU is USB
- ThermalS is Serial
- ThermalP is Parallel
- ThermalN is Network (Ethernet)

When finished select **OK**.



Select **CashDrawer**.

Select **Add New Device**.



Use the dropdown under **Select Device Name** to select **Standard**.

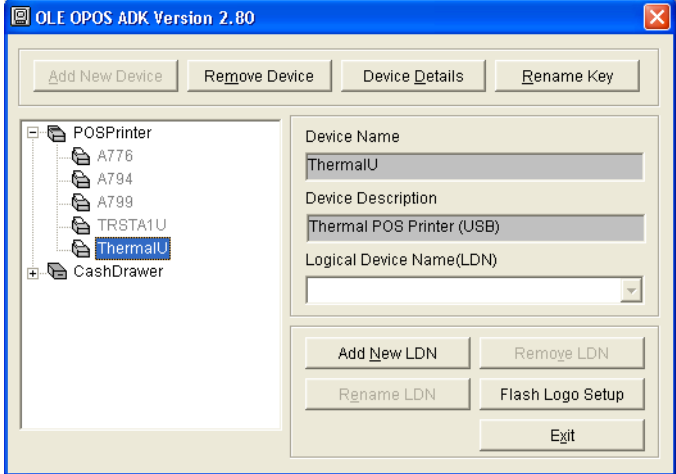
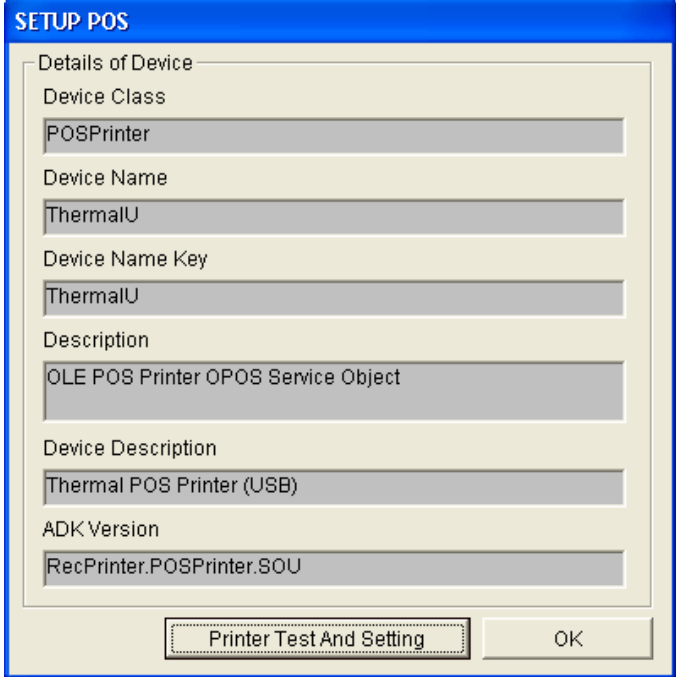
Use the dropdown under **Select Device Type** to select the cash drawer Type:

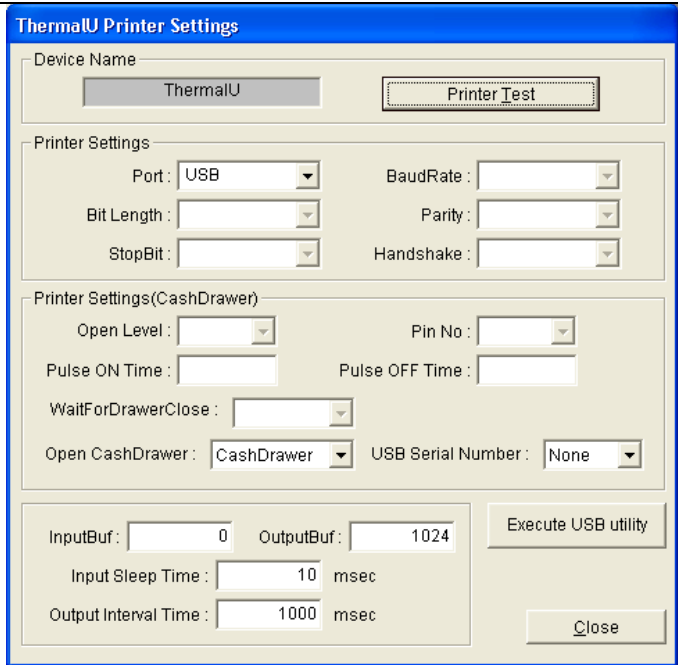
- StandardU is USB
- StandardS is Serial
- StandardP is Parallel
- StandardN is Network (Ethernet)

When finished select **OK**.

## TP 3000 Thermal Printer Driver – Printer and Cash Drawer Test

We will now need to test the operation of the printer and the Cash Drawer.

	<p>Open the hive next to <b>POSPrinter</b>.</p> <p>Select <b>ThermalU</b> (or whichever device type was installed) then select <b>Device Details</b>.</p>
	<p>Select <b>Printer Test And Setting</b>.</p>



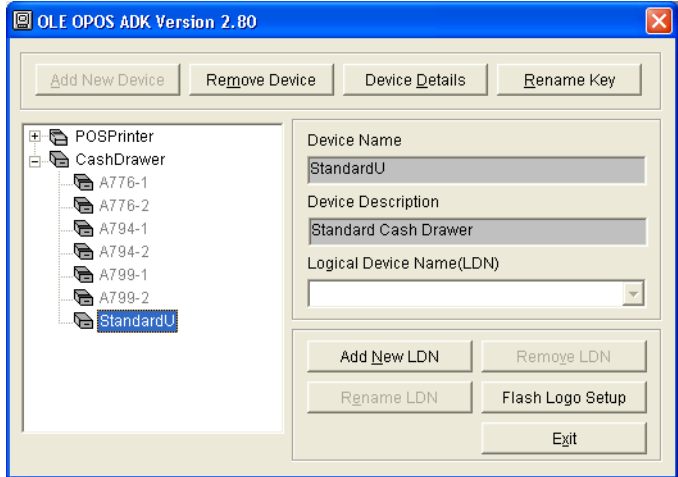
Select **Printer Test**.

The printer should then print and cut a small piece of paper with the following printed on it:

*Interactive HCheck!  
OLE OPOS ADK  
Service Object Version: 2.47  
Device Name: Thermal*

Select **Close**.

The Printer is now working Correctly.



Open the hive next to **CashDrawer**.

Select **StandardU** (or whichever device type was installed) then select **Device Details**.

## SETUP POS

### Details of Device

Device Class

CashDrawer

Device Name

StandardU

Device Name Key

StandardU

Description

OLE Cash Drawer OPOS Service Object

Device Description

Standard Cash Drawer

ADK Version

Standard.CashDrawer.SOU

Printer Test And Setting

OK

Select **Printer Test And Setting**.

## StandardU Printer Settings

Device Name

StandardU

Printer Test

Printer Settings

Port: USB

BaudRate:

Bit Length:

Parity:

StopBit:

Handshake:

Printer Settings(CashDrawer)

Open Level: Low

Pin No: 2

Pulse ON Time: 200

Pulse OFF Time: 400

WaitForDrawerClose: Yes

Open CashDrawer:

USB Serial Number: None

InputBuf: 0

OutputBuf: 1024

Execute USB utility

Input Sleep Time: 10 msec

Output Interval Time: 0 msec

Close

After Verifying all the settings are correct select **Printer Test**.

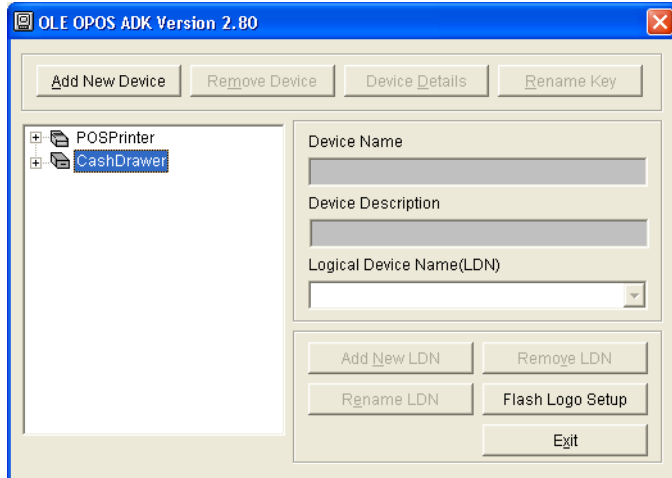
The Cash Drawer should then open.

When done select **Close**.

## TP 3000 Thermal Printer Driver – Configuring Multiple Cash Drawers

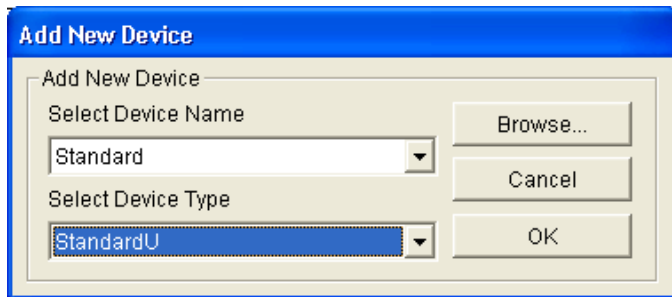
If you would like to have multiple cash drawers on this system (using the document below) some additional configuration of the driver is required.

- [http://faq.pcamerica.com/file-lockers/pdf-locker/Dual\\_Cash\\_Drawer.pdf](http://faq.pcamerica.com/file-lockers/pdf-locker/Dual_Cash_Drawer.pdf)



Select **CashDrawer**.

Select **Add New Device**.

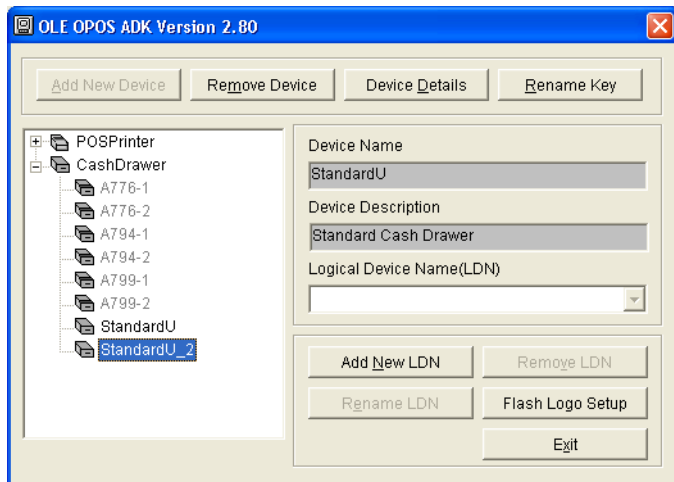


Use the dropdown under **Select Device Name** to select **Standard**.

Use the dropdown under **Select Device Type** to select the cash drawer Type:

- StandardU is USB
- StandardS is Serial
- StandardP is Parallel
- StandardN is Network (Ethernet)

When finished select **OK**.



Select the newly added cash drawer.

Select **Device Details**.



Select **Printer Test And Setting**.

### StandardU Printer Settings

Device Name  
StandardU      Printer Test

Printer Settings  
Port: USB      BaudRate:      Bit Length:      Parity:      StopBit:      Handshake:

Printer Settings(CashDrawer)  
Open Level: Low      Pin No: 2  
Pulse ON Time: 200      Pulse OFF Time: 400  
WaitForDrawerClose: Yes  
Open CashDrawer:      USB Serial Number: None

InputBuf: 0      OutputBuf: 1024      Execute USB utility  
Input Sleep Time: 10 msec  
Output Interval Time: 0 msec      Close

After Verifying all the settings are correct select **Printer Test**.

The second Cash Drawer should then open.

When done select **Close**.

## **MSR Configuration**

In order to work with pcAmerica's software, all MSR's (magnetic swipe readers) need to read from track 2 only. When swiped into notepad a credit card should look like this (including the carriage return);

**;**1234567891234567=12345678912345678912?****

If when swiped in notepad the swipe looks like this;

**%B1234567891234567^TEST CARD^12345678912345678912?**

**;**1234567891234567=12345678912345678912?****

It is reading from tracks 1 and 2, and the MSR needs to be configured to work with our software.



## ID-Tech MSR Configuration

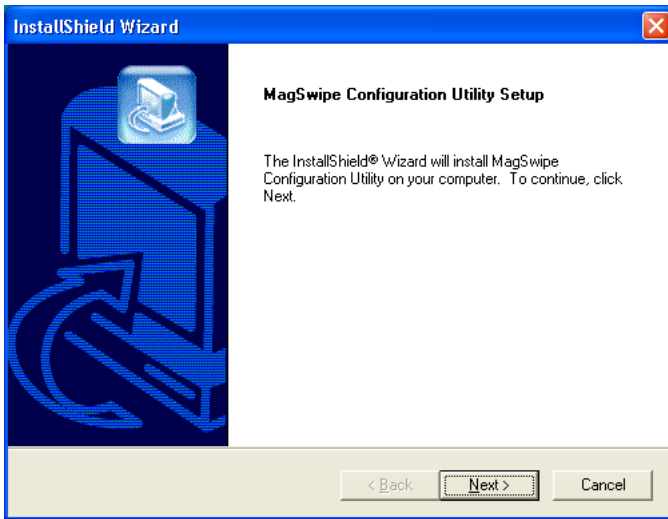


1. To configure the MSR to read the correct information simply install the configuration software (setup.exe).

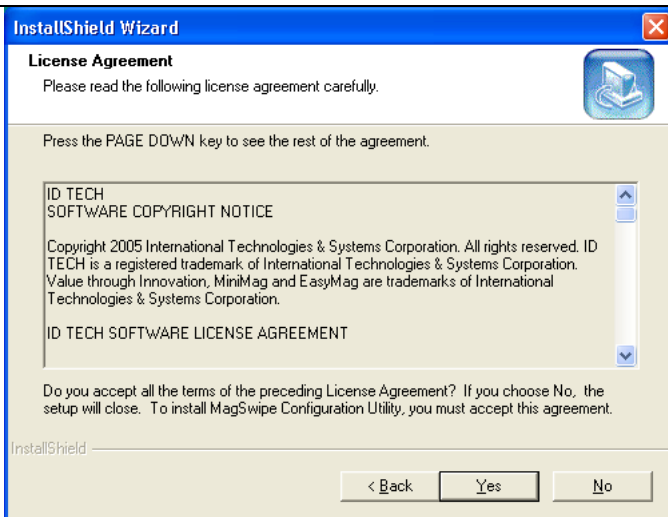
The ID-Tech Configuration Utility can be downloaded from:

- [http://download2.pcamerica.com/drivers/Manufacturer/Touch\\_Dynamic/TD\\_MSR.zip](http://download2.pcamerica.com/drivers/Manufacturer/Touch_Dynamic/TD_MSR.zip)

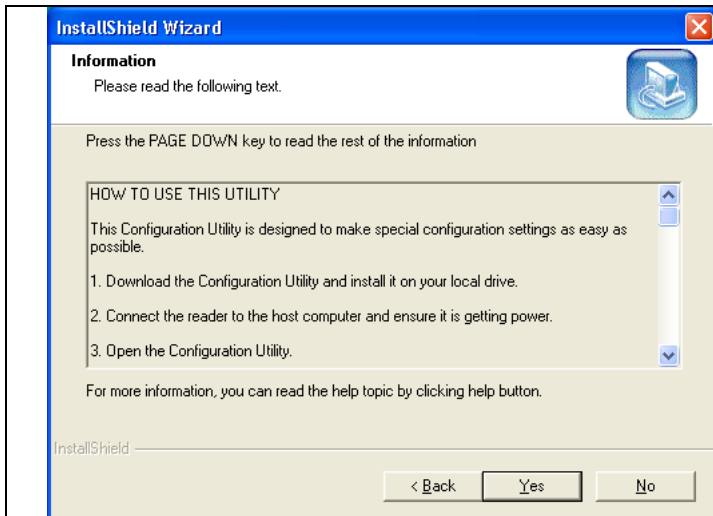
**NOTE:** The configuration software must be extracted before use.



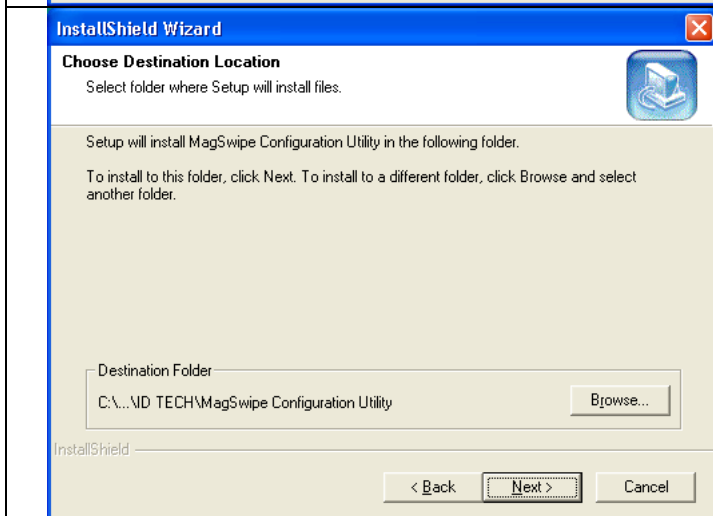
2. Select **Next**.



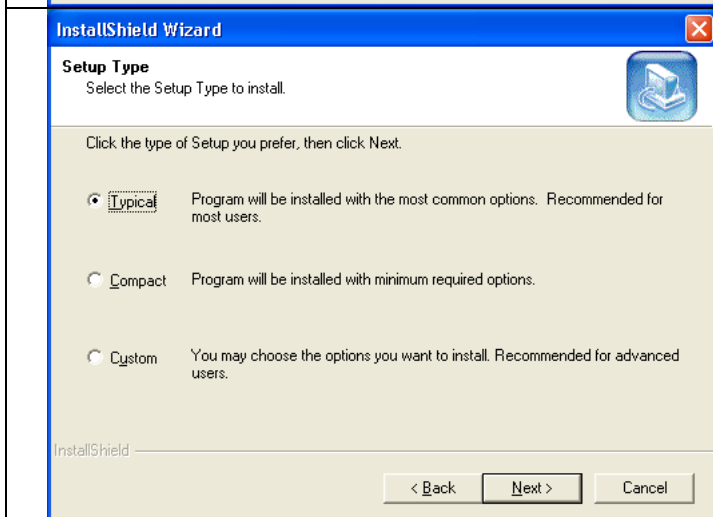
3. Select **Yes**.



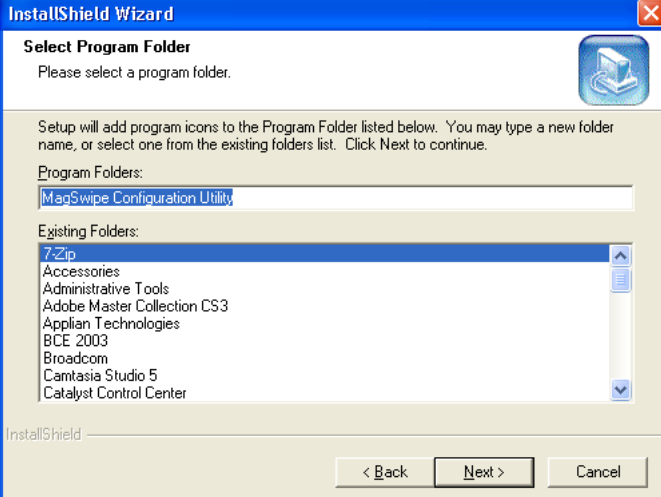
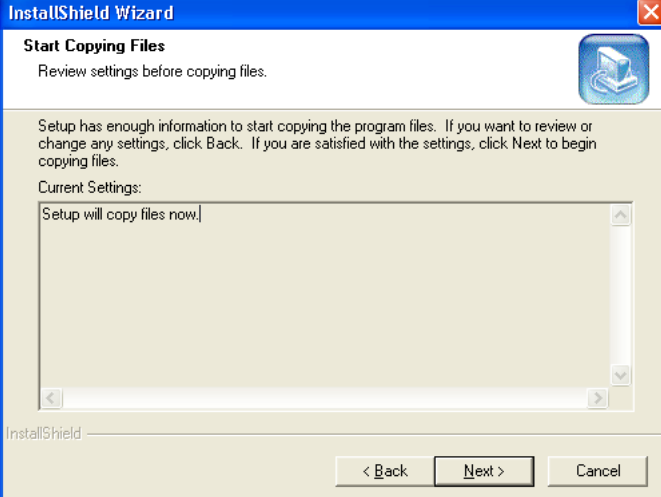
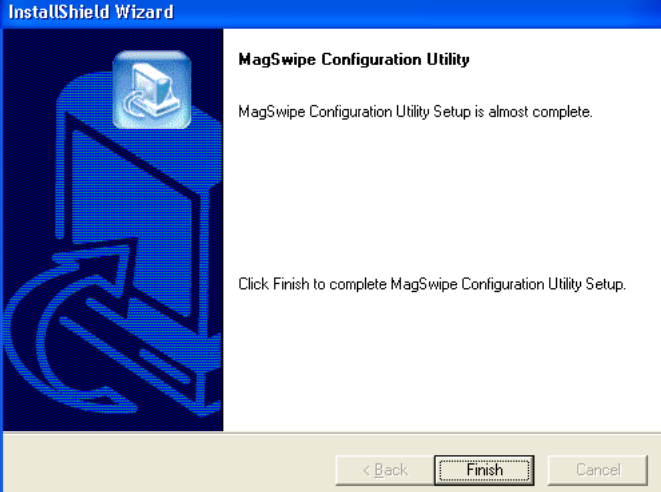
4. Select **Yes**.



5. Select **Next**.



6. Select **Next**.

	<p>7. Select <b>Next</b>.</p>
	<p>8. Select <b>Next</b>.</p>
	<p>9. Select <b>Finish</b>.</p>

### MagSwipe Configuration Utility

- SELECT READER INTERFACE
- HOW TO USE THIS UTILITY
- CHECK CURRENT READER SETTINGS
- CHANGE BASIC READER SETTINGS
- CHANGE ADVANCED READER SETTINGS
- HELP
- EXIT



MagSwipe readers come with default settings made at the factory. These settings are suitable for most applications and do not need to be changed. However, if you need to change something basic (like beep volume) or something more advanced (like a data editing routine), this utility will help you do it easily and quickly. Start by clicking on one of the tabs on the left side of this page.

10. Open the **MagSwipe Configuration Utility**, by going to **Start** and **All Programs** then **MagSwipe Configuration Utility**.

### MagSwipe Configuration Utility

- SELECT READER INTERFACE
- HOW TO USE THIS UTILITY
- CHECK CURRENT READER SETTINGS
- CHANGE BASIC READER SETTINGS
- CHANGE ADVANCED READER SETTINGS
- HELP
- EXIT

Change Basic Settings:

General Settings | Pre/Postamble | RS232 Parameters | **Track Settings** | Keyboard Settings

Track Select

Any Track     Track1 Only     Track2 Only  
 Track1 And Track2     Track3 Only     Track1 And Track3  
 Track2 And Track3     All Three Tracks     Track1 Or Track2  
 Track2 Or Track3

Send Start/End Sentinel     Send LRC in Card Data  
 For Track 2 Only Send Account Number  
 Send Error Indication

Track Separator:  Non-Printable Char:   
Terminator:  Non-Printable Char:

Default Page    Help

Send to MSR    Save to File    Load from File    Default All    Close

11. Select **Change Basic Reader Settings** and select the **Track Settings** tab.

12. Under **Track Select**, select one of the following options:

- **Track2 Only** – This will only read the account information off of the card.
- **Track1 And Track2** – This will read the account information as well as the customer’s name (used for Bar Tabs).

13. Select **Send to MSR**.

You should receive notification that the changes were sent correctly.

## MSR Configuration in CRE/RPE

**Manager**

**Options**

1. Select the **Manager** or **Options** button.
2. Enter the administrator password (default: admin) where applicable.
3. Select **Setup** then, **Setup Screen**.

Setup Screen

Account Control Company Info Couponing Hardware Internet Features Inventory Invoice Settings

Payment Processing Quick Invoicing & Alerts Quick-Add Receipt Reports

Restaurant Features Station Specifics System Access Touch Screen

Page 1 Page 2 Page 3

Choose your handheld type

Palm OS

Windows Mobile / Pocket PC

OPOS MSR (Card swipe)

MSR Port

NONE

Wireless Payment

NONE

IP Port

0

Deli Scale Type

None

Avery Berkel

MSR Device Serial Number

123456789

Deli Scale Program Path

Gas Pump Interface

Enable Gas Pump Interface

Configure Gas Pump Interface

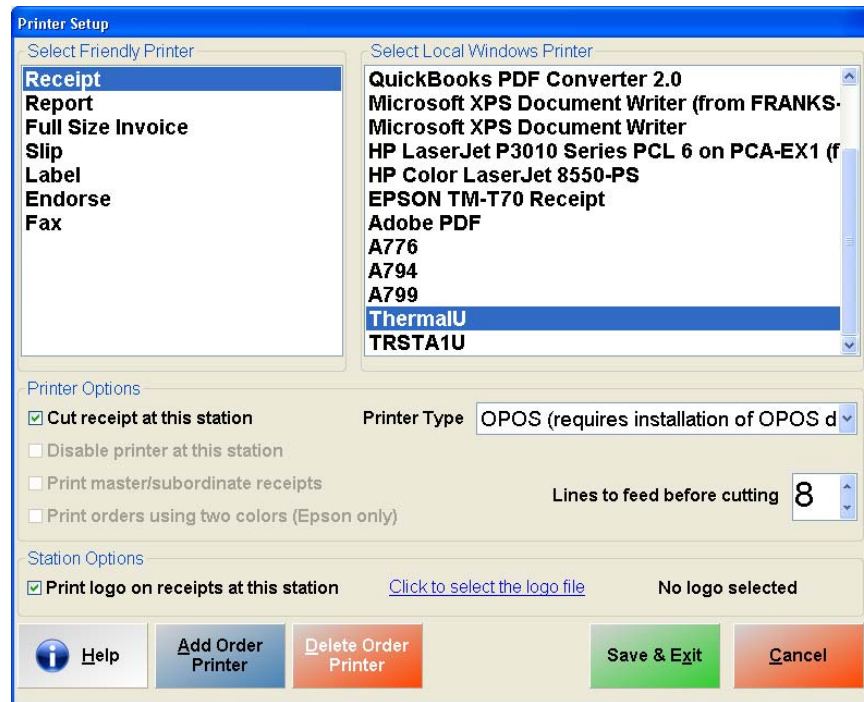
Scale Update Exit

4. Select the **Hardware** tab then, select **Page3**.
5. Under **Encryption Method (Card Swipe)** select **IDTECH**.

**Note: If the option Encryption Method (Card Swipe) is not available (pictured above) then the encryption method has been automatically selected for you.**

6. Under **MSR Device Serial Number** enter the serial number of the device.
  - The **Serial Number** of the device should either be on; the invoice of the MSR, or a sticker on the device (may be labeled as S/N).
7. Select **Update**.

## Printer Configuration in CRE/RPE



Now you're ready to set up your printer in RPE/CRE.

1. Start the RPE/CRE program.
2. Select the **Options/Manager** and enter your password (where applicable).
3. Select **[4] Setup | [L] Friendly Printer Setup** and re-enter your password if necessary.
4. Select **Receipt** in the **Select Friendly Printer** list on the left.
5. Select the **EPSON BA-T500IIPP Receipt** in the **Select local Windows printer** list on the right.
6. Select **Epson Thermal Receipt Printer** as the Printer Type.
7. Select **Cut Receipt at this Station**.
8. Select **Print logo on receipts at this station** then select the logo file you would like to print on receipts (if applicable).

**Note:** The Pixel aspect ratio for the logo must be 1:3 (i.e. if the image has a 100px height then the width must be 300px). If the image you are using is not in that aspect ratio then it will be distorted.

9. Select **Save & Exit**.

## Cash Drawer Configuration

**Manager**

**Options**

1. Select the **Manager** or **Options** button.
2. Enter the administrator password (default: admin) where applicable.
3. Select **Setup** then, **Setup Screen**.

The screenshot shows the 'Setup Screen' window with the 'Hardware' tab selected. The interface is divided into several sections for configuration:

- Pole Display Port:** Radio buttons for None, COM1, COM2, COM3, COM4, COM5, USB, and Other.
- Pole Display Type:** Radio buttons for General (selected), Cgsio / Touch Dynamic, Virtual(Classic), Posiflex, Toshiba, OPOS, and Virtual(New).
- OPOS Pole Display:** A dropdown menu currently set to NONE.
- PinPad Port:** Radio buttons for None, COM1, COM2, COM3, COM4, COM5, COM6, and Other.
- PinPad Type:** A dropdown menu set to None.
- PinPad Connection:** A dropdown menu set to Serial.
- PinPad IP Address:** A text input field.
- PinPad IP Port:** A text input field set to 8.
- Weight Scale - Primary:** Radio buttons for None, COM1, COM2, COM3, COM4, COM5, COM6, and Other.
- Primary Scale Type:** A dropdown menu set to CAS PD-1 or PD-2.
- Weight Scale - Secondary:** Radio buttons for None, COM1, COM2, COM3, COM4, COM5, COM6, and Other.
- Secondary Scale Type:** A dropdown menu set to CAS PD-1.
- Cash Drawer:** Radio buttons for Open Default Drawer (selected) and Open Employee Drawer.
- Default Cash Drawer Port:** A dropdown menu set to OPOS:StandardU.
- Check drawer open status (Epson TM-T88 only)

At the bottom of the window are three buttons: **Scale**, **Update**, and **Exit**.

4. Select the **Hardware** tab.
  5. Select **Page1**.
  6. Under **Cash Drawer** select the radio button that says **Open Default Drawer**.
  7. Under **Default Cash Drawer Port** select the appropriate port that your receipt printer is connected to (**USB Receipt Printer**).
- Note:** If the port that your printer is connected to is selected and the cash drawer is not opening, try setting the port as the **USB Receipt Printer**.
8. Select **Update**.

## Printing Barcodes on Receipts

**Manager**

**Options**

1. Select the **Manager** or **Options** button.
2. Enter the administrator password (default: admin) where applicable.
3. Select **Setup** then, **Setup Screen**.

Setup Screen

Account Control Company Info Coupons Hardware Internet Features **Inventory** Invoice Settings

Payment Processing Quick Invoicing & Alerts Quick-Add **Receipt** Reports

Restaurant Features Station Specifics System Access Touch Screen

Page 1 Page 2

**Receipt Size**

Receipt  
 Short Receipt  
 Full  
 Full Professional

**Print Invoices**

No  
 Yes  
 Prompt  
 CC And DC Only  
 Prompt Size

**Prof Logo**

None  
 Picture  
 Company Info  
 Pic and Info

Print Bar Code On "On-Hold" Receipts  
 Print Bar Code On "Complete" Receipts

Print Extra Copy of On Account Receipts  
 Suppress Extra Signature Copy

**Print Modifiers on Receipt**

Print all, total only  
 Print all, breakdown  
 No, Print None  
 Print charged, total only  
 Print charged, breakdown

Print Notes on CC Receipt  
 Print Dept Notes Receipt  
 Print item count on Receipt

Print Second Description on Full Size Professional  
 Validate Checks  
 Combine Lines on Short Receipt  
 Print Paid Status in Kitchen Receipt.

# of Copies: 1 # of Store Credit Receipts: 1

**Scale** **Update** **Exit**

4. Select the **Receipt** tab.
5. Check **Print Bar Code On "On-Hold" Receipts**.
6. Check **Print Bar Code On "Complete" Receipts**.
7. Select **Update** to save your changes.