



VPOS Point of Sale System

Version 7.0

July 2008

Installation Guide

Copyright 2008

VISION SOURCE SOLUTIONS SDN BHD
(805631-T)

17a, Lorong Taman 12,
Taman Pertama, 30100 Ipoh, Perak.
West Malaysia.

<http://www.vs-source.com>

VPOS Point of Sales Installation

1.	Getting Started	Page 2
2.	Minimum Requirement	Page 3
3.	Installation of Database engine	Page 6
4.	Generate VPOS Database	Page 23
5.	POS Printer Installation • Samsung OPOS • Lukhan OPOS • Epson OPOS	Page 25
6.	Cash Drawer Installation	Page 37
7.	Basic Connection diagram	Page 39

Getting Started

The following instructions will assist you with installation of VPOS Point of Sale System version 7.0.

Note :

If your computer already installed SQL Server 2005 Express, just skip Option1A and Option 1B and Direct proceed to **How to Generate VPOS Database** on page 25.

Minimum Requirement

Hardware Requirement

FRONT END CLIENT	BACK END SERVER
Pentium® DUAL CORE 1.8 GHz and above AMD®X2 2.0 GHz and above 1GB DDR RAM 40 GB Hard Disk Windows® compatible Network Interface card Microsoft® Windows XP Home® And above Microsoft® Windows Vista, Basic or Home® And above Microsoft XP Embedded Optional for Local Data store Microsoft® SQL Server 2005 Express.	Pentium® DUAL CORE 1.8 GHz and above AMD®X2 2.0 GHz and above 1GB DDR RAM 80 GB Hard Disk DSL Modem (For Remote Online support) Windows® compatible Network Interface card A Laser printer for Back End Report Microsoft® Windows® 2000 OR Microsoft® Windows NT® Service Pack 6 and above OR Microsoft® Windows XP Pro® Service Pack 2 and above Microsoft® SQL Server 2005 Express.

System Requirement for SQL Server 2005 Express Edition

SQL Server Setup requires Microsoft Data Access Components (MDAC) 2.8 SP1 or later. You can download MDAC 2.8 SP1 from this Microsoft Web site.

Prerequisite software	Microsoft .NET Framework 2.0
Internet Requirements	Microsoft Internet Explorer 6.0 SP1 or later (prerequisite for .NET Framework) Internet Information Services (IIS) 5.0 or later is required for Microsoft SQL Server 2005 Reporting Services (SSRS) installations. For more information on how to install IIS, see How to: Install Microsoft Internet Information Services in SQL Server 2005 Books Online.
RAM	Minimum: 192 MB Recommended: 512 MB or higher
Hard Disk space	600 MB free space
Processor	Pentium III Compatible or higher Minimum: 500 MHz Recommended: 1 GHz or higher
Operating System	Windows Server 2003 SP1 Windows Server 2003 Enterprise Edition SP1 Windows Server 2003 Datacenter Edition SP1 Windows Small Business Server 2003 Standard Edition SP1 Windows Small Business Server 2003 Premium Edition SP1 Windows XP Professional SP2 Windows XP Home Edition SP2 Windows XP Tablet Edition SP2 Windows XP Media Edition SP2 Windows 2000 Professional Edition SP4 Windows 2000 Server Edition SP4 Windows 2000 Advanced Edition SP4 Windows 2000 Datacenter Server Edition SP4 Virtual PC Virtual Server Windows Vista Home Basic? Windows Vista Home Premium? Windows Vista Business? Windows Vista Enterprise? Windows Vista Ultimate?

Note There is no support in this release for Windows XP Embedded Edition.

With Windows Vista, all SQL Server Express SP2 editions are supported. The only SP1 edition supported is SQL Server Express SP1.

Installation of Database engine

Note:

VPOS database is using Microsoft SQL Server 2005 Express Edition, for does Terminal which already contained this database engine, please skip the Option – 1A.

Option 1A

The Minimum requirement to install SQL Server 2005 Express, your terminal must contain the below components to be installed.

1. Dot Net 2.0 Frameworks.
2. Microsoft window installer 3.1

The Setup location for Dot Net 2.0 was found in the VPOS installation CD at..\SQLEXPRESS Installation\dotnet2.0

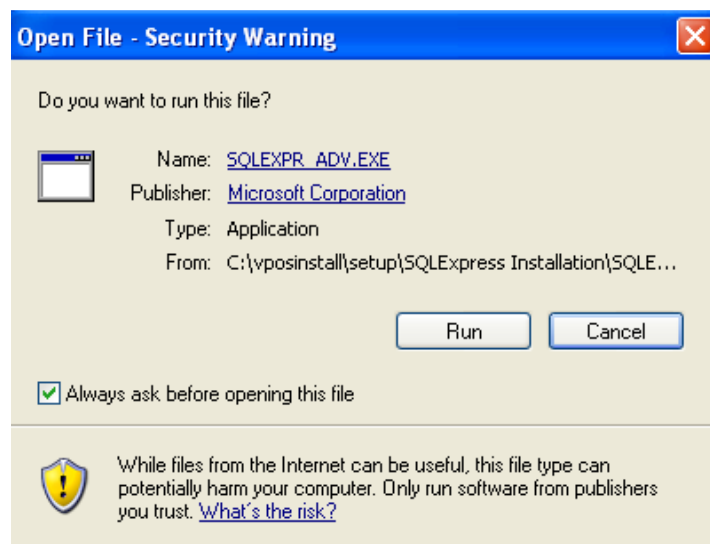
And

The Setup location for Microsoft window installer 3.1 was found in the VPOS installation CD at..\SQLEXPRESS Installation\microsoft window installer 3.1

Just follow the on screen instruction to perform installation.

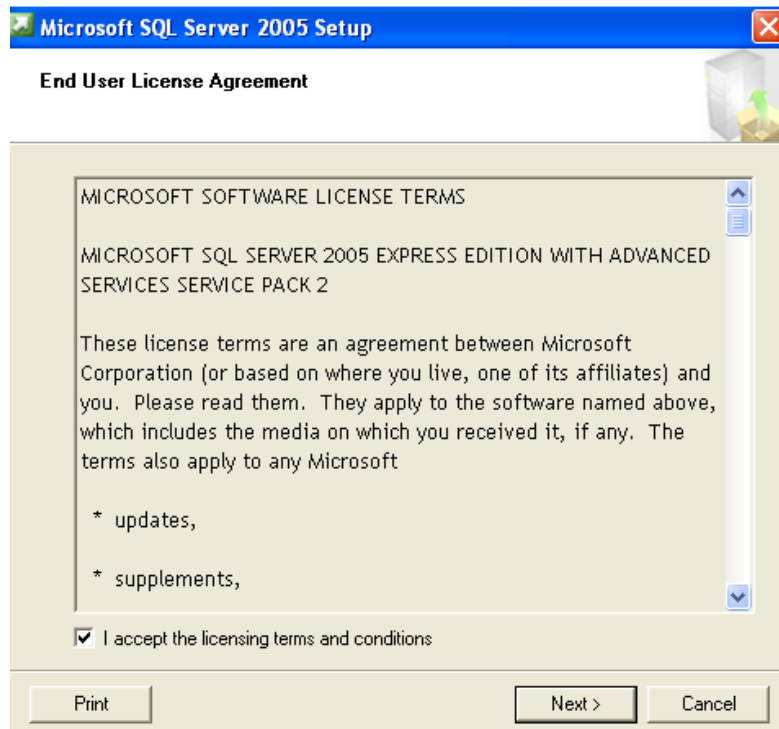
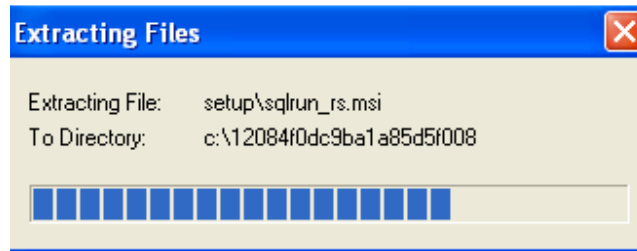
Option 1B

To install SQL Server 2005 Express, go to VPOS installation CD at ... \SQLEXPRESS Installation \SQLEXPRESS \Full SQL Express, click on SQLEXPRESS_ADV.EXE and follow below step.

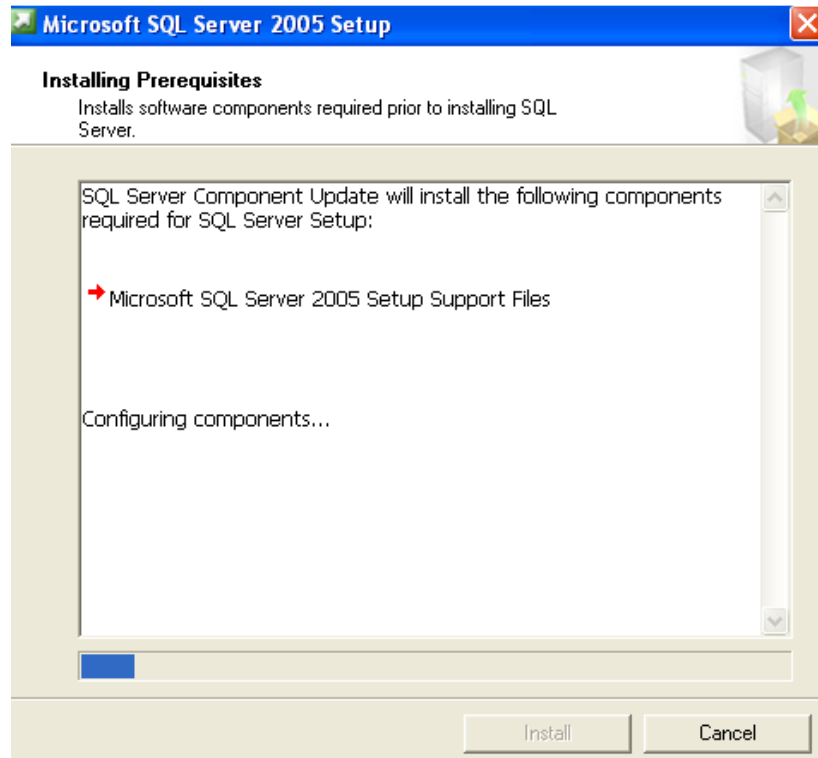


Click Run to continue.

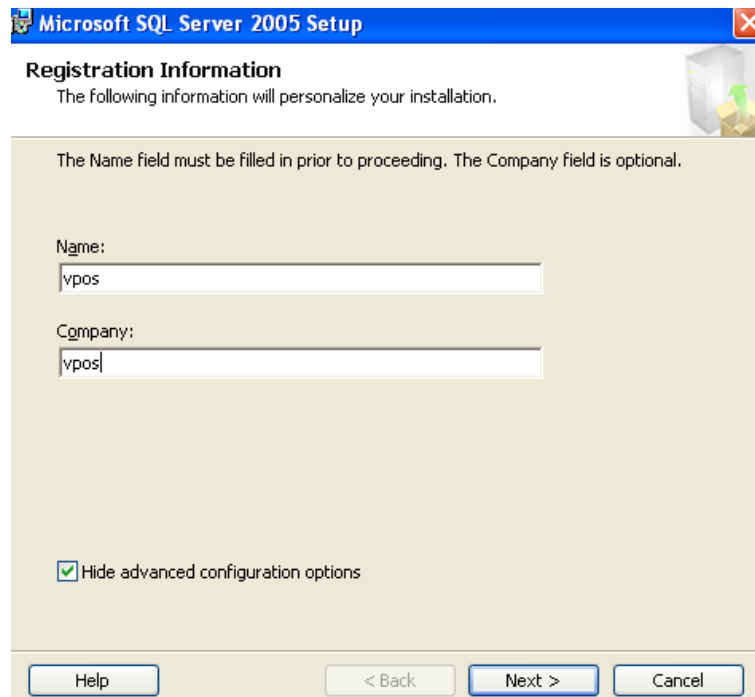
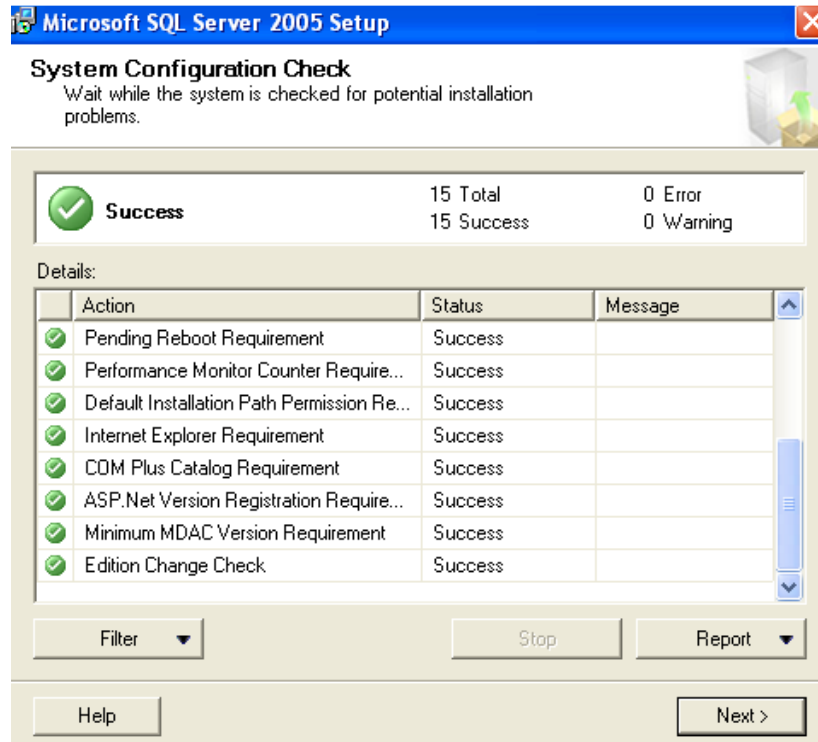
VPOS Installation Guide



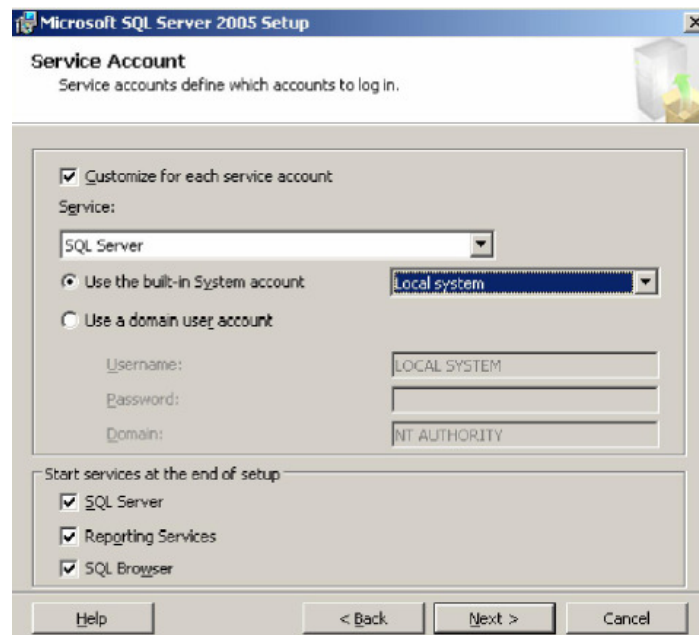
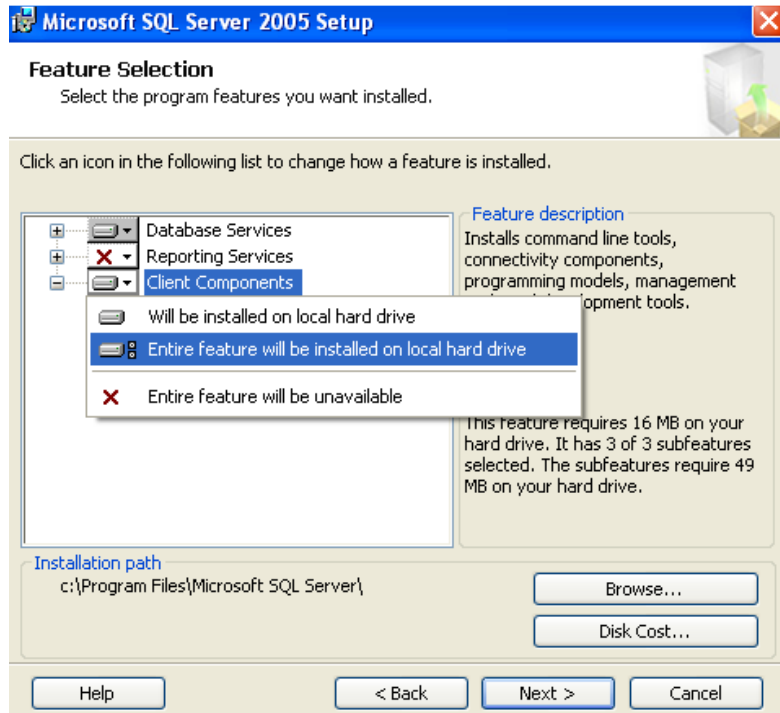
VPOS Installation Guide



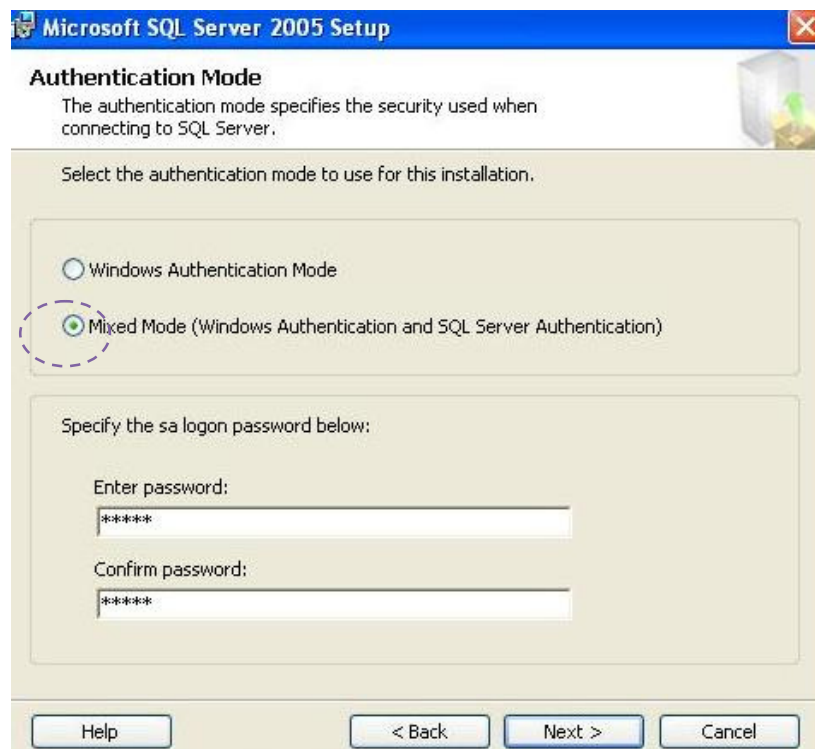
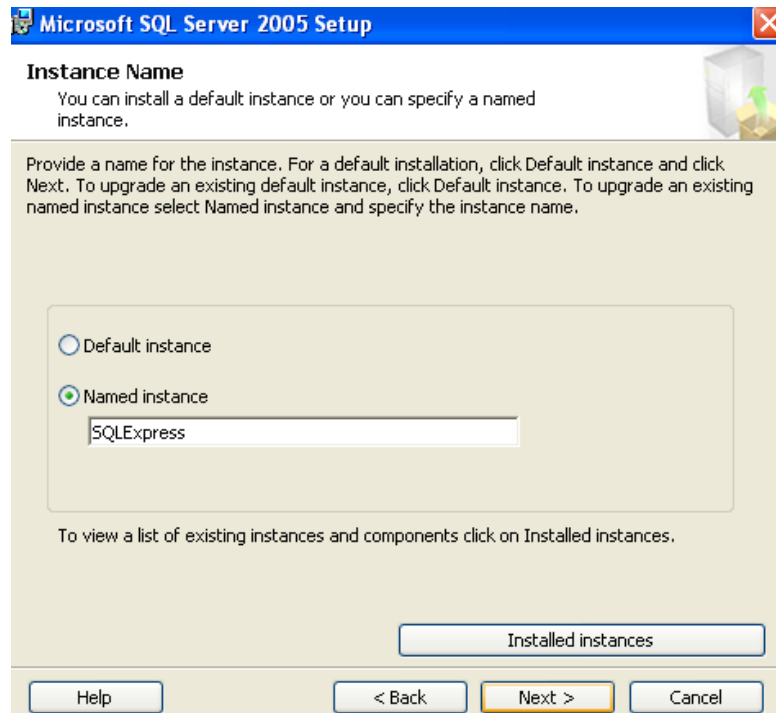
VPOS Installation Guide



VPOS Installation Guide

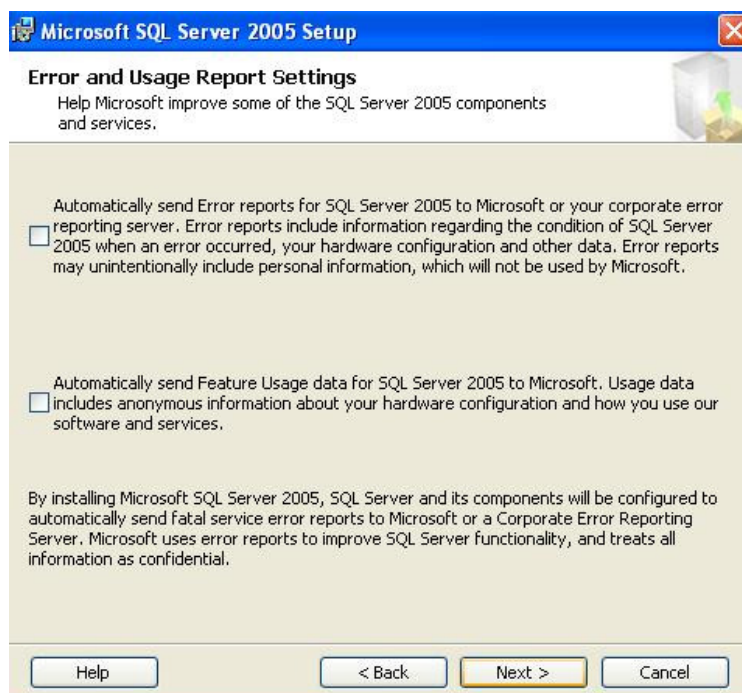
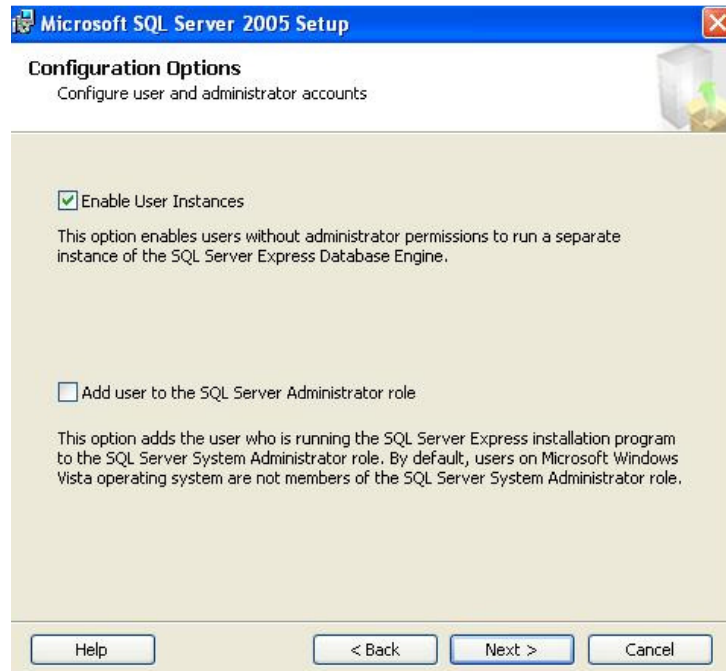


VPOS Installation Guide

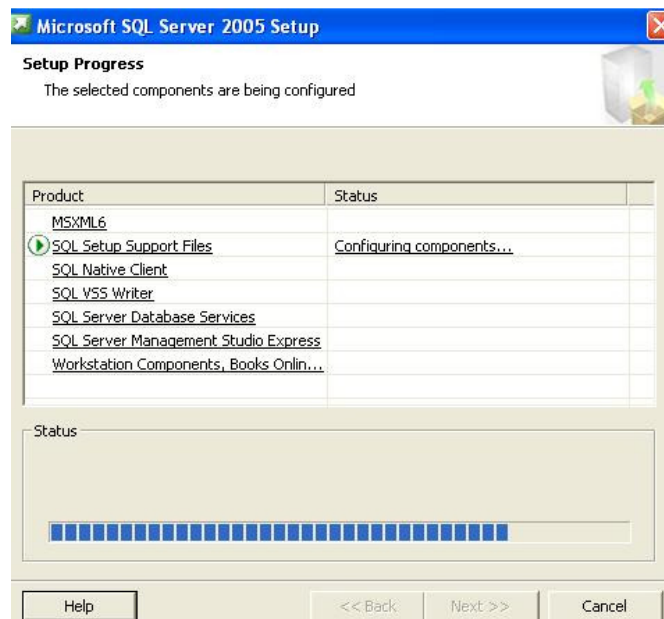
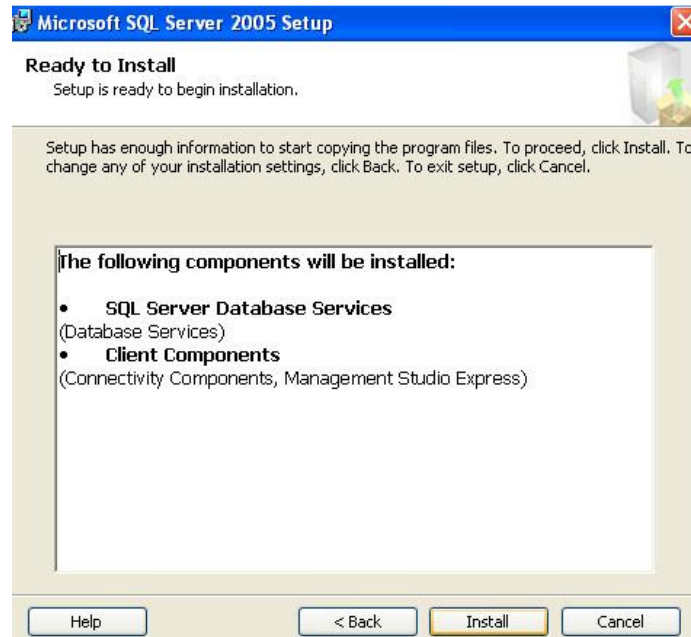


Select Mixed Mode and type your password, click Next to continue

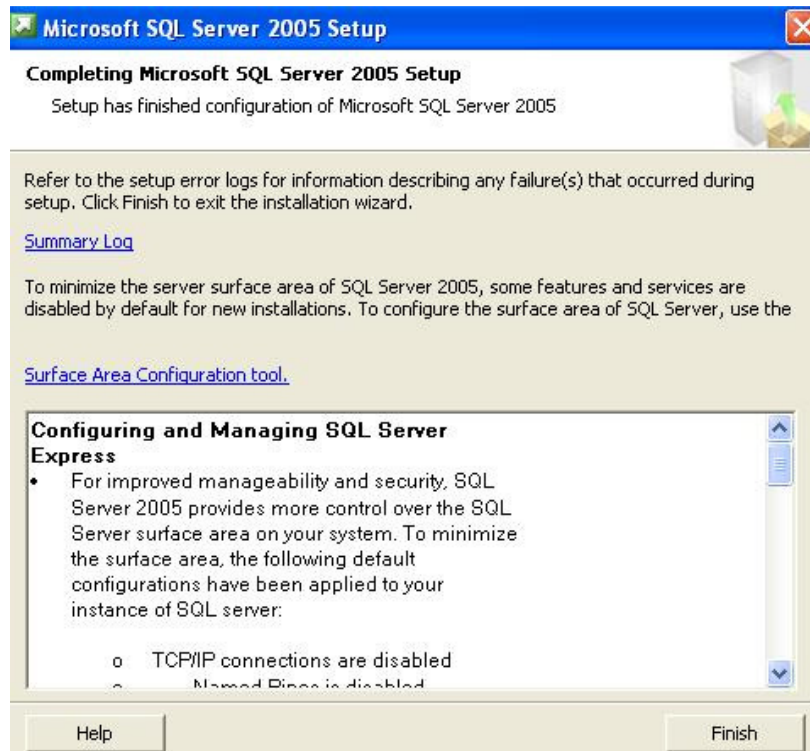
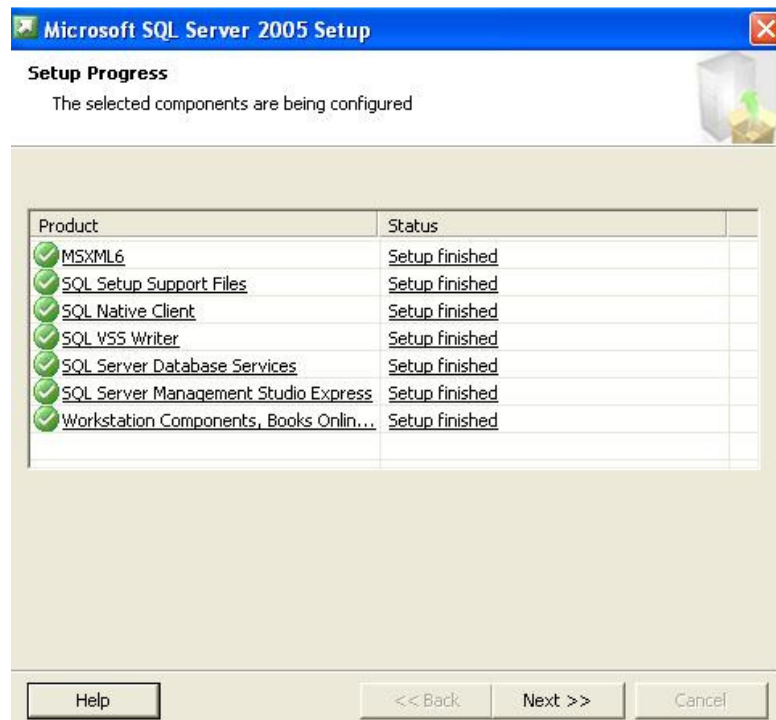
VPOS Installation Guide



VPOS Installation Guide

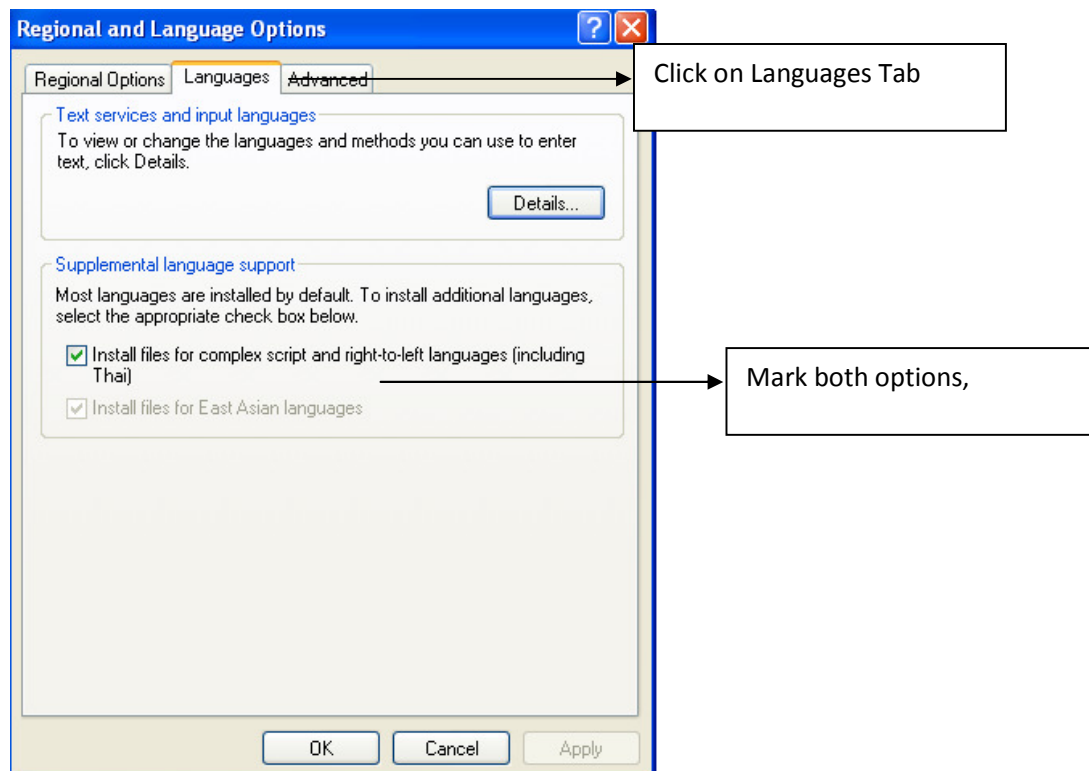
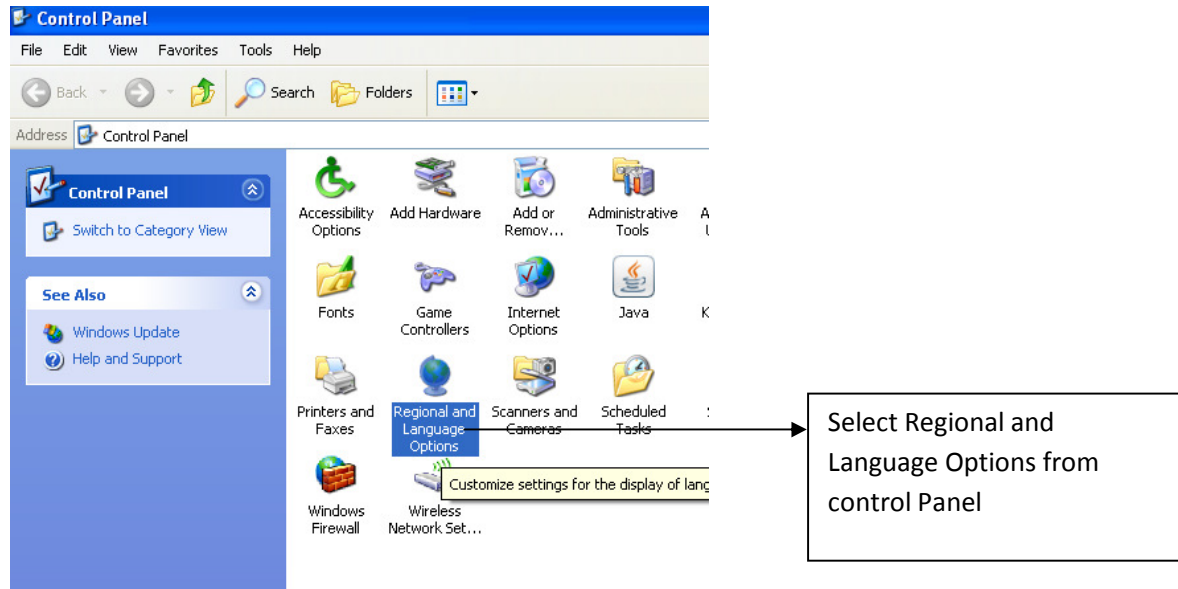


VPOS Installation Guide

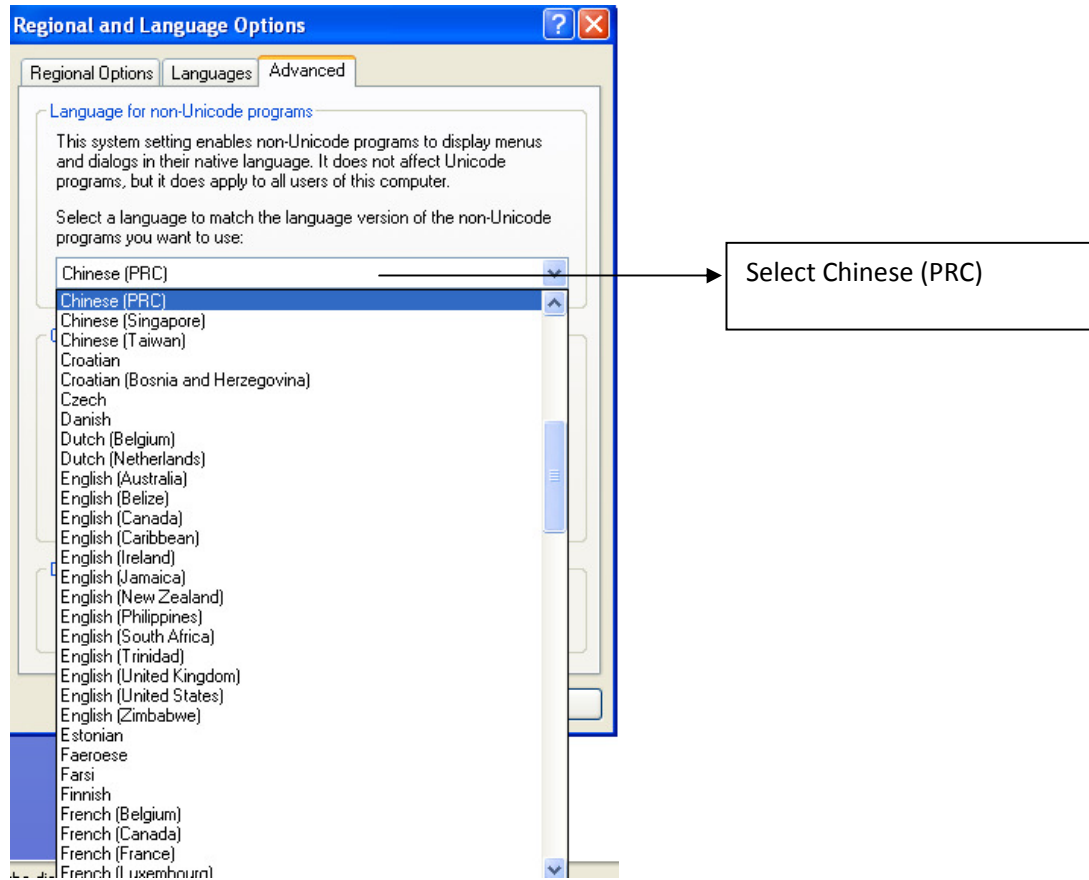


Installation Completed

Setup Language Support

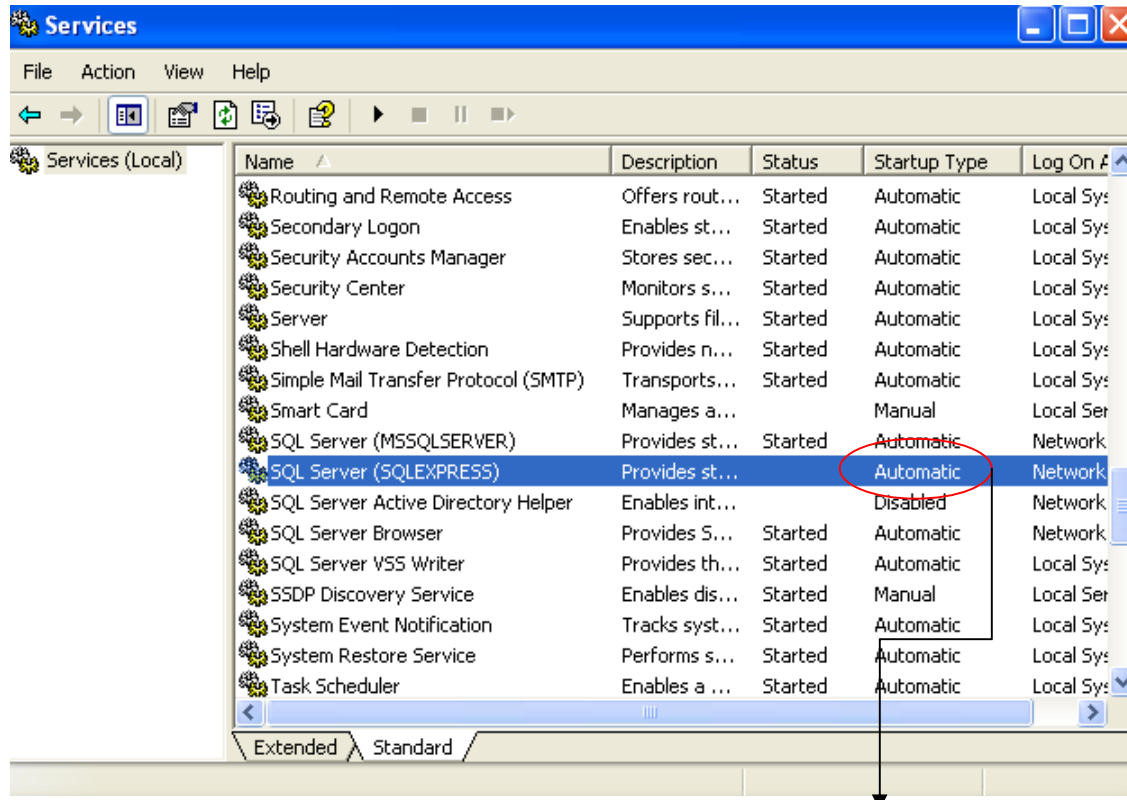


VPOS Installation Guide



How to know whether your SQL Database engine service is started?

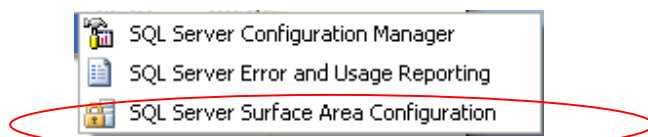
START → SETTING → CONTROL PANEL → Administrative Tools → SERVICES



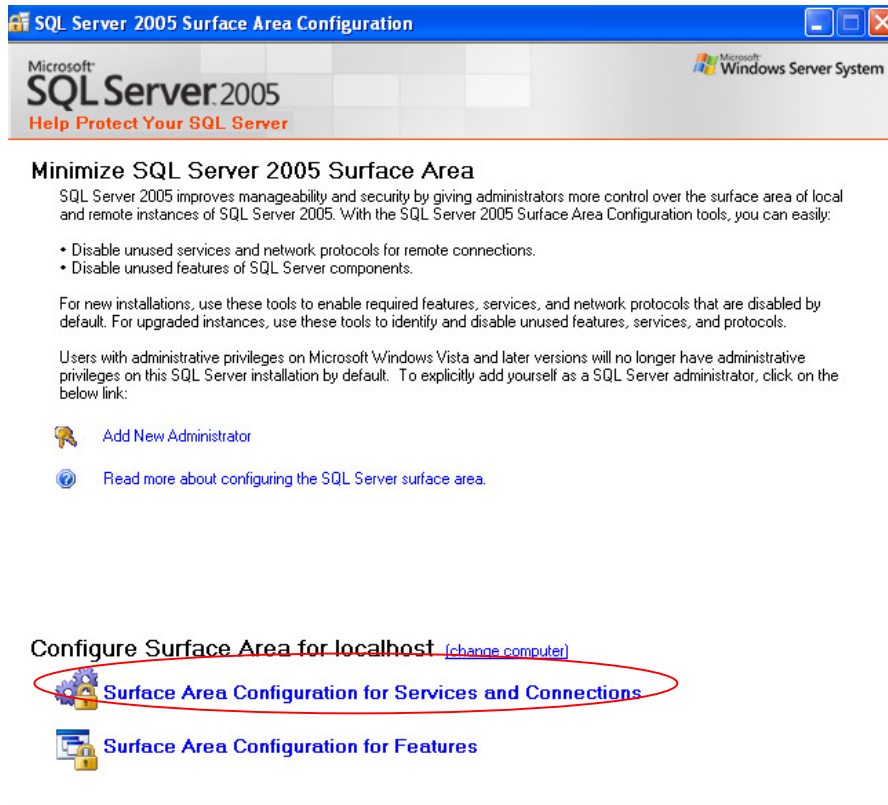
Be sure the start up type is show automatic

If this is installation PC is a Back End Server and would like to have others remote PC or terminal to gain access to, the below step have to configured.

START → Programs Files → Microsoft SQL Server 2005 >> configuration Tools → SQL Server Surface Area Configuration.



VPOS Installation Guide

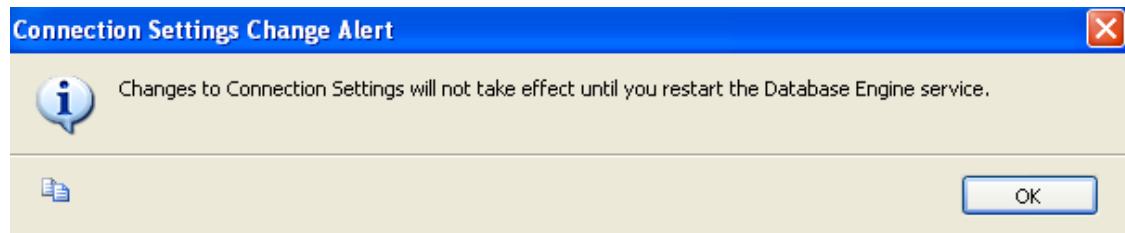


Configure Surface Area for localhost [\(change computer\)](#)



Click on the Local and Remote connections and select using both TCP/IP and named pipes

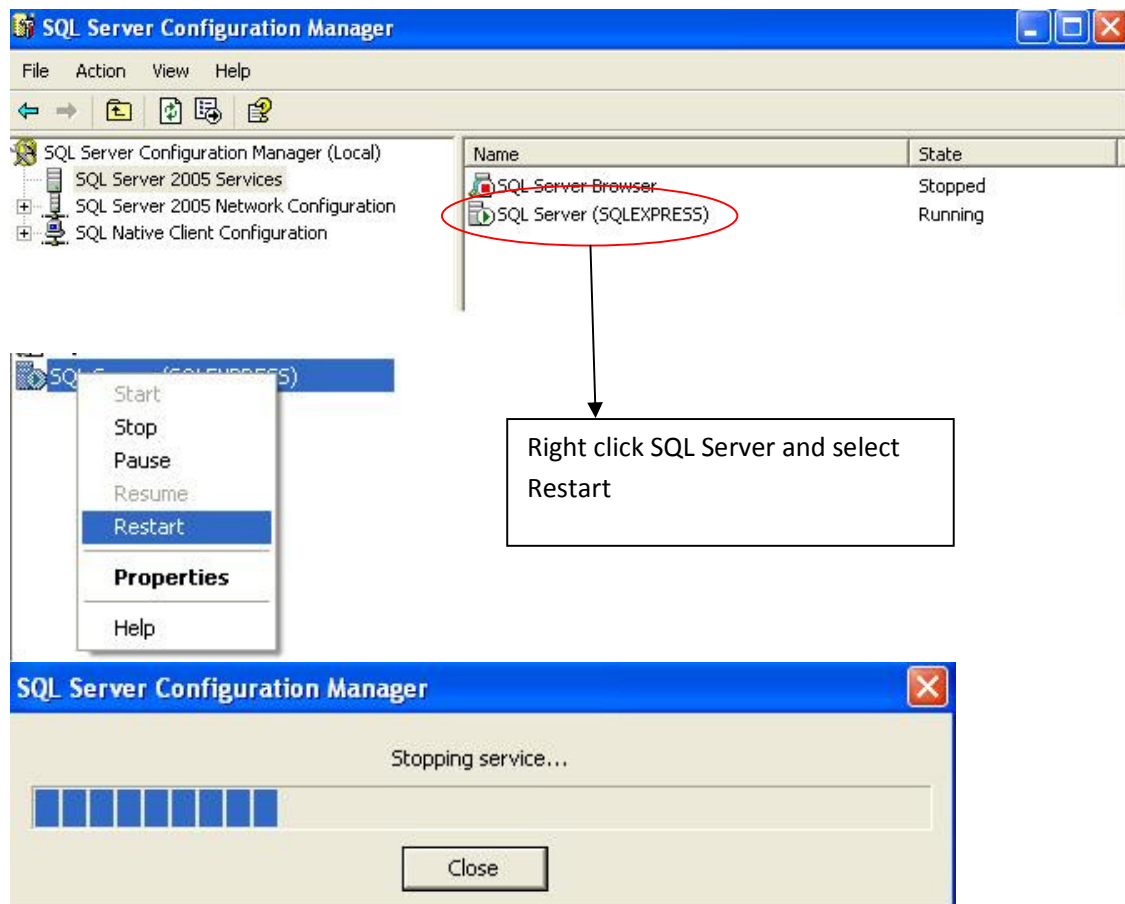
VPOS Installation Guide



You must restart the SQL Database engine service in order to take effect.

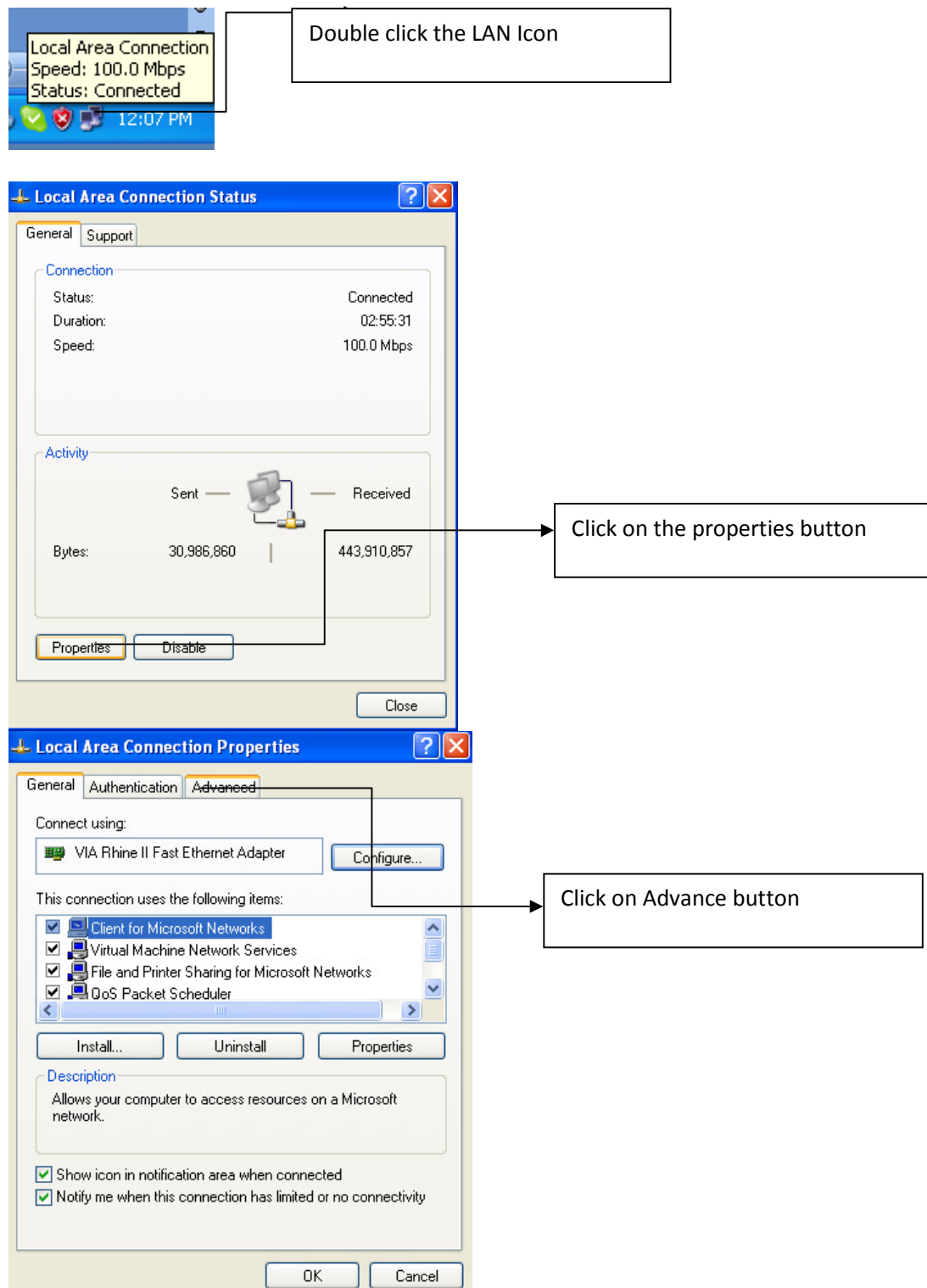
To Restart or check the SQL database engine service status

START → Programs Files → Microsoft SQL Server 2005 >> configuration Tools → SQL Server Surface Area Configuration.

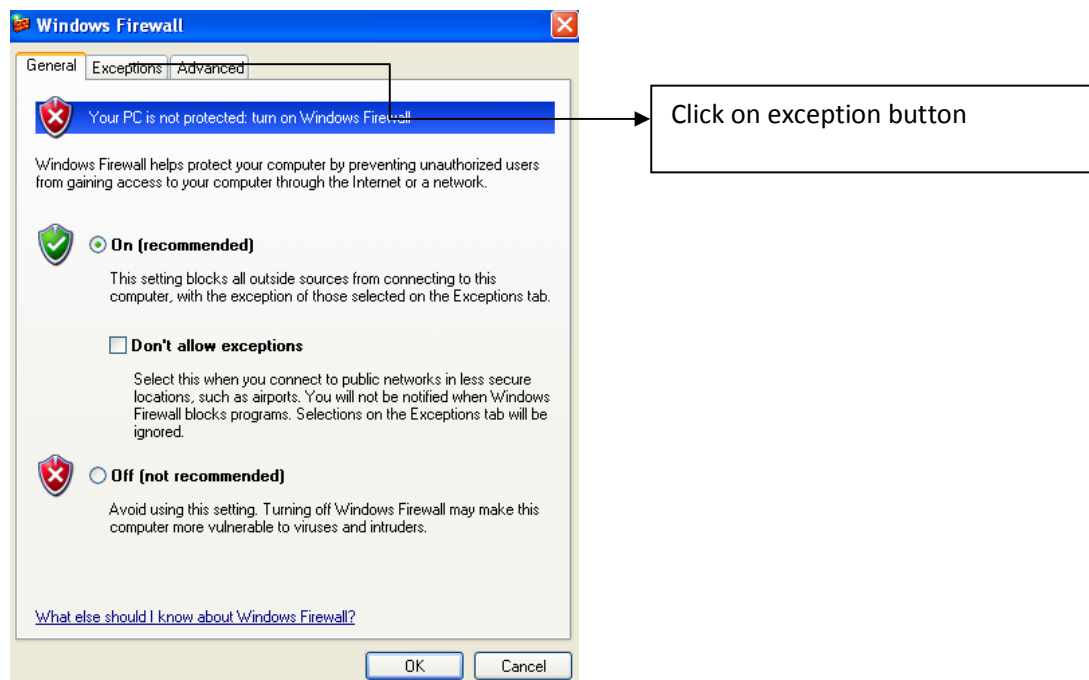
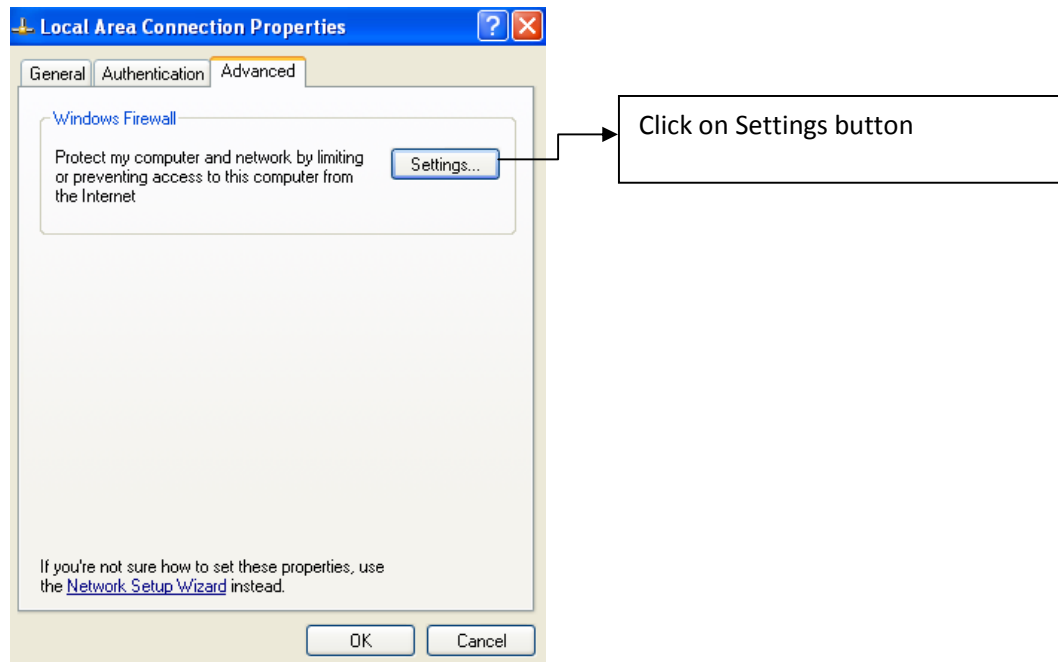


If your computer have already install a firewall or the firewall status is on, made sure you perform the below procedure.

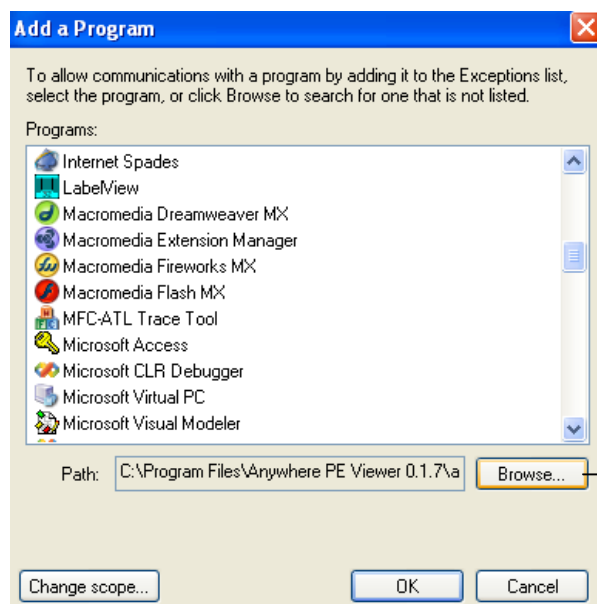
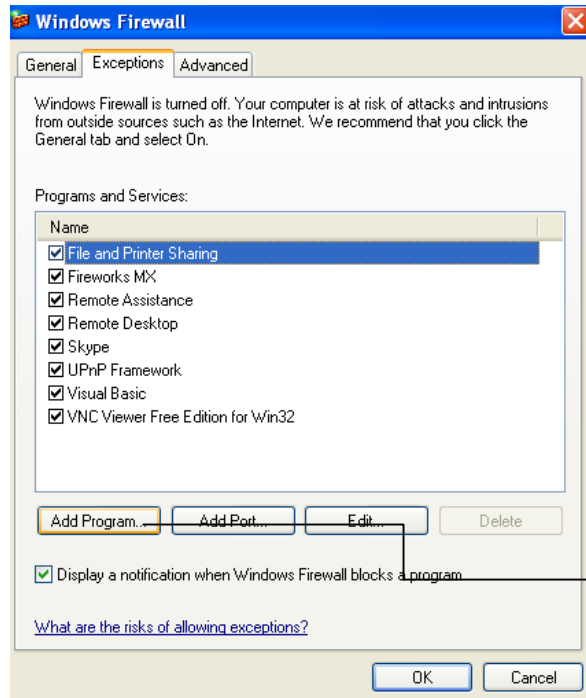
VPOS Installation Guide



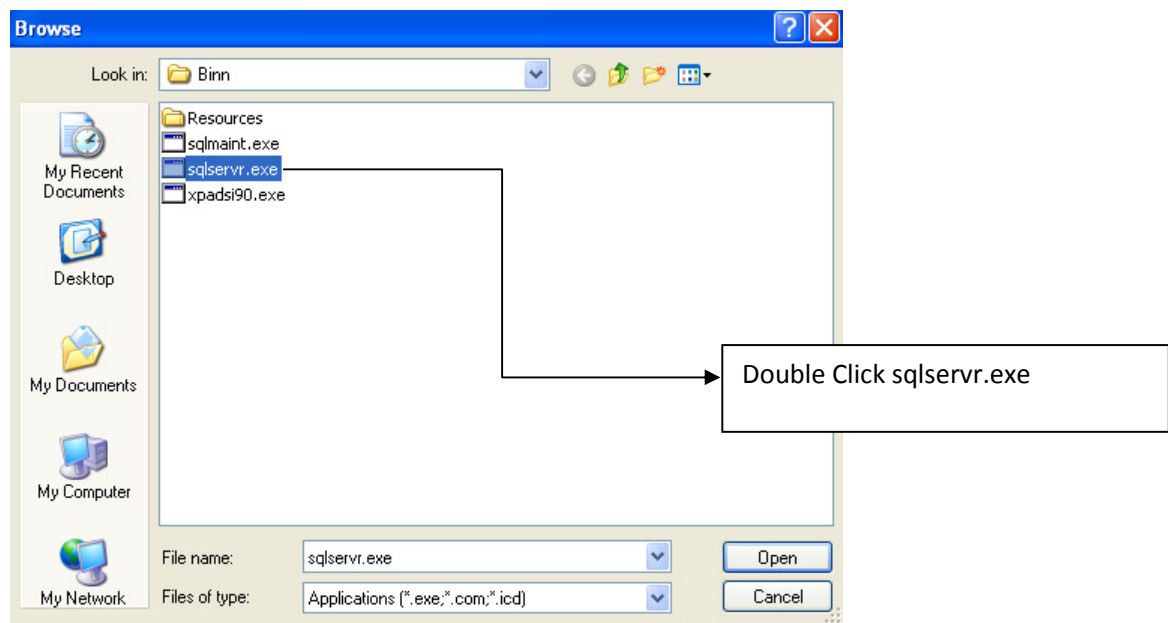
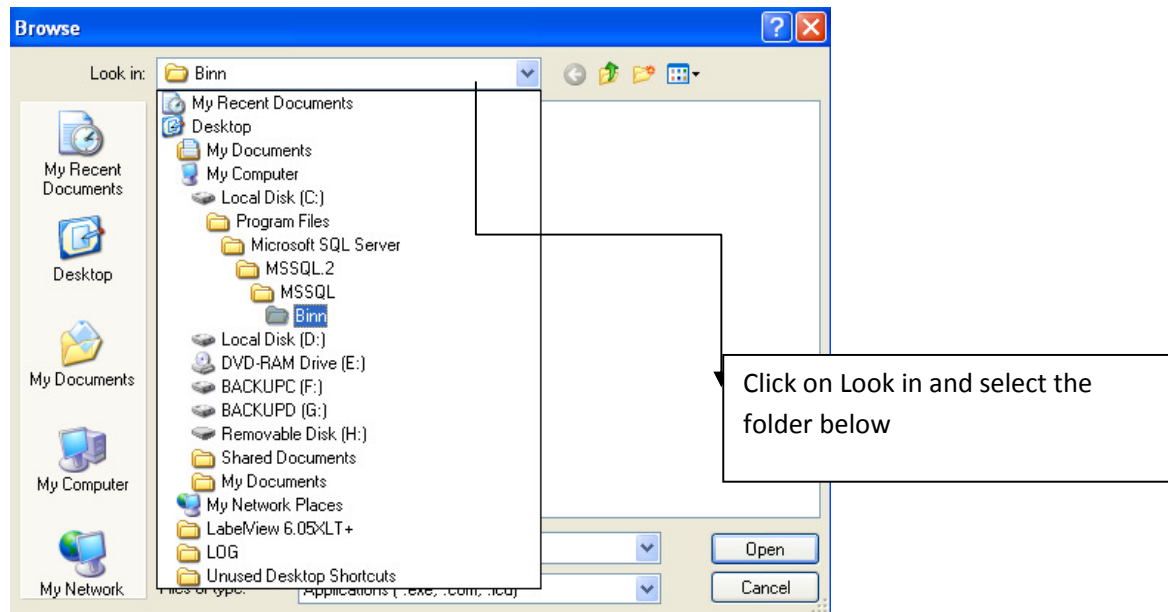
VPOS Installation Guide



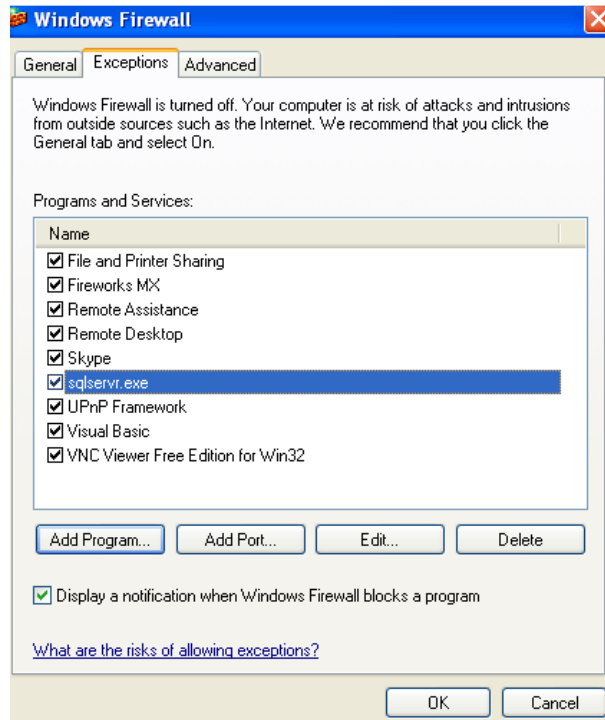
VPOS Installation Guide



VPOS Installation Guide



VPOS Installation Guide

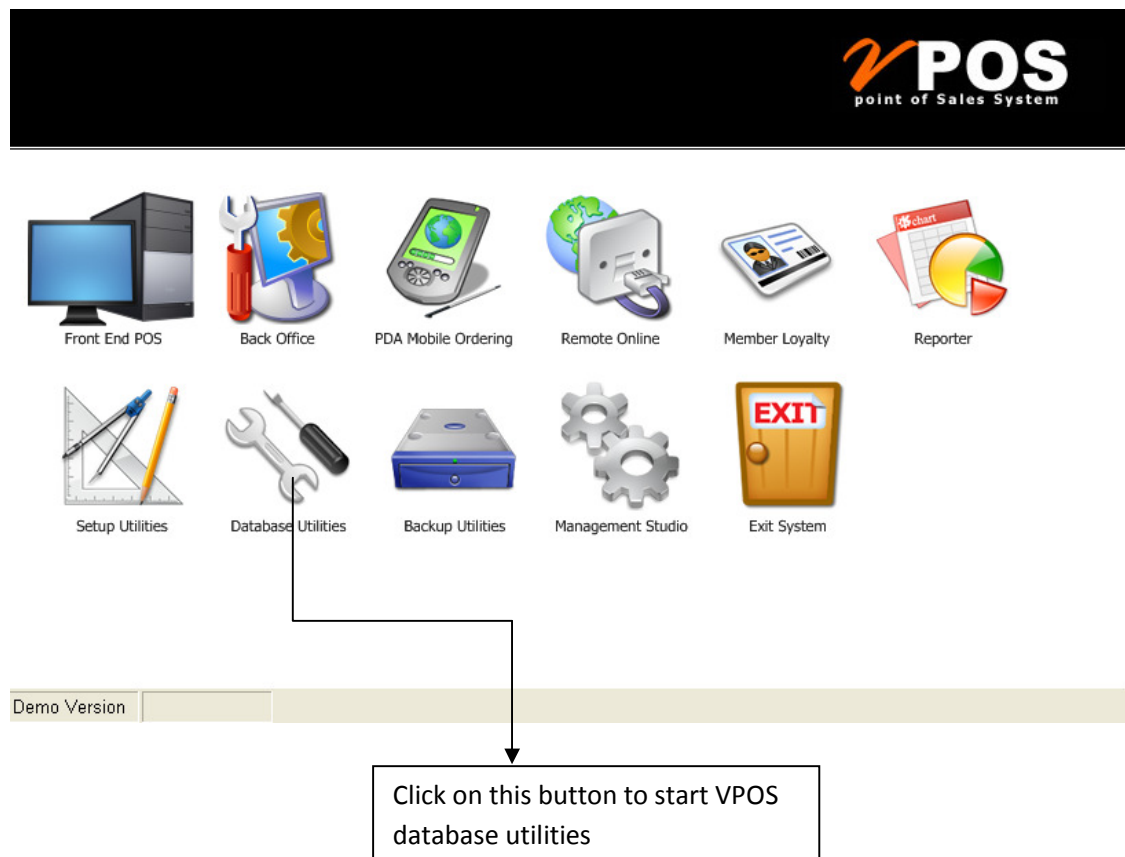


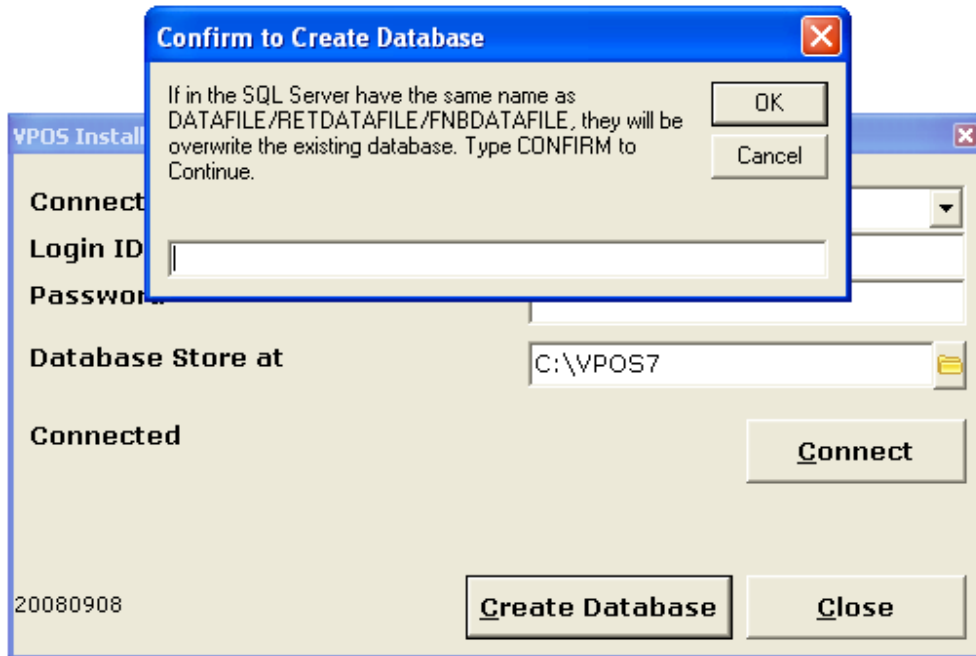
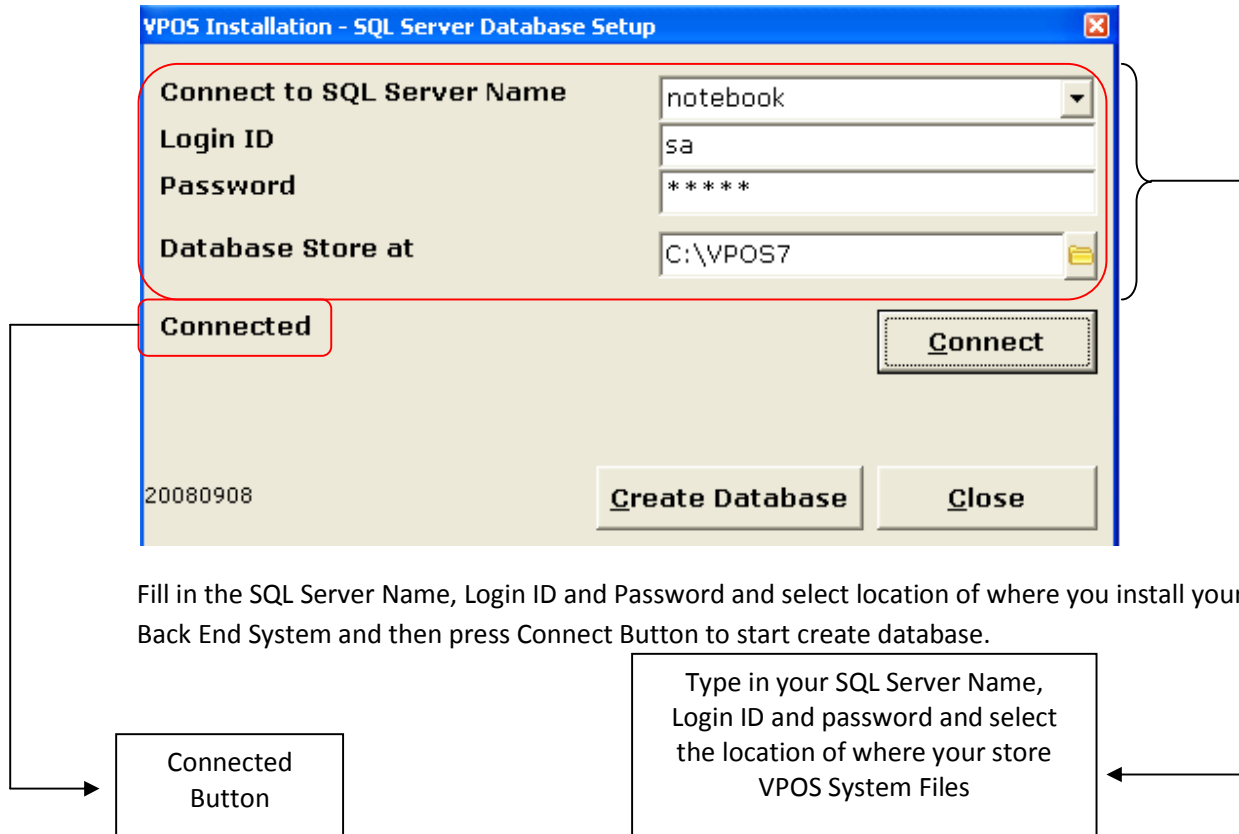
Completed.

How to Generate VPOS Database

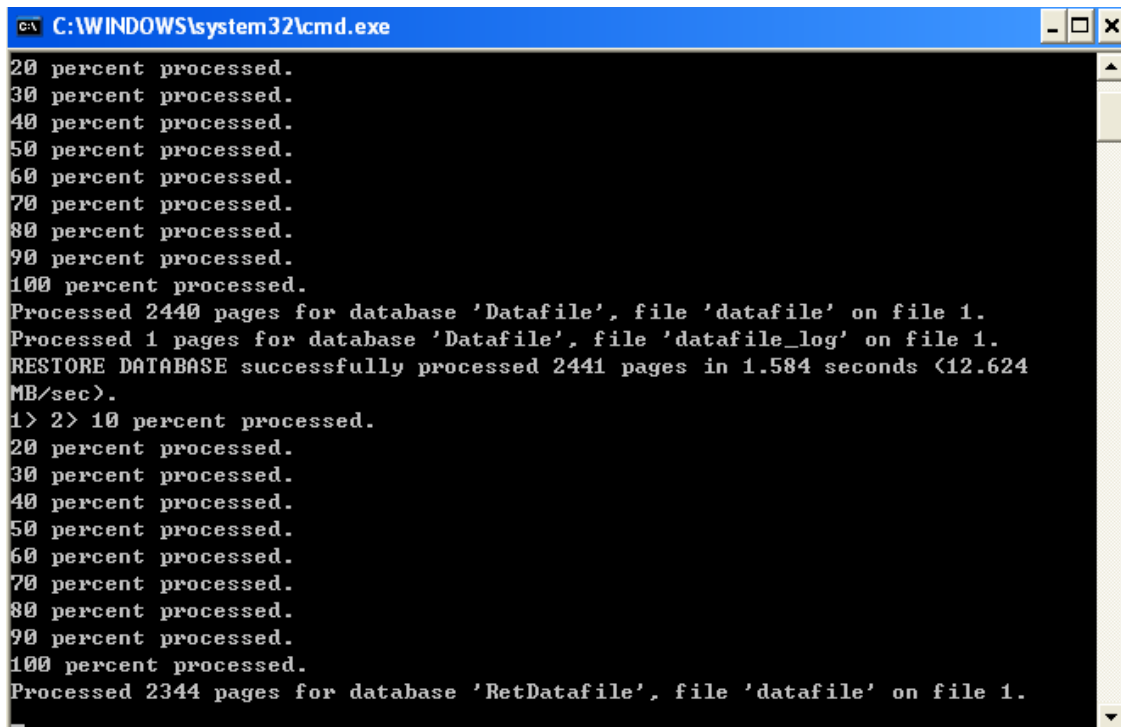


Click on This Icon at Windows Desktop to start VPOS main menu

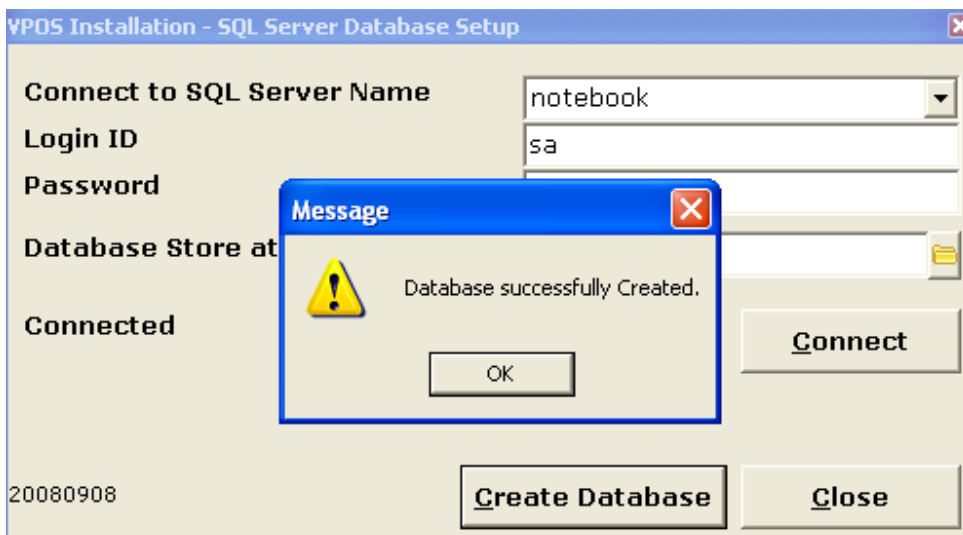




Type 'CONFIRM' to continue.



```
C:\WINDOWS\system32\cmd.exe
20 percent processed.
30 percent processed.
40 percent processed.
50 percent processed.
60 percent processed.
70 percent processed.
80 percent processed.
90 percent processed.
100 percent processed.
Processed 2440 pages for database 'Datafile', file 'datafile' on file 1.
Processed 1 pages for database 'Datafile', file 'datafile_log' on file 1.
RESTORE DATABASE successfully processed 2441 pages in 1.584 seconds (12.624
MB/sec).
1> 2> 10 percent processed.
20 percent processed.
30 percent processed.
40 percent processed.
50 percent processed.
60 percent processed.
70 percent processed.
80 percent processed.
90 percent processed.
100 percent processed.
Processed 2344 pages for database 'RetDatafile', file 'datafile' on file 1.
```



VPOS Database Successfully created.

Product Activation

Product Activation

Contact VISION SOURCE SOLUTIONS SDN BHD for product Activation Number at
Tel : 605-527 6912 (Business hour : 9:00am - 5:30pm Mor-Fri)

Your Company Code
V001

Your Product ID
86584535-200811170015-119950116794901-FFFFA0E6-2602

Activation Number

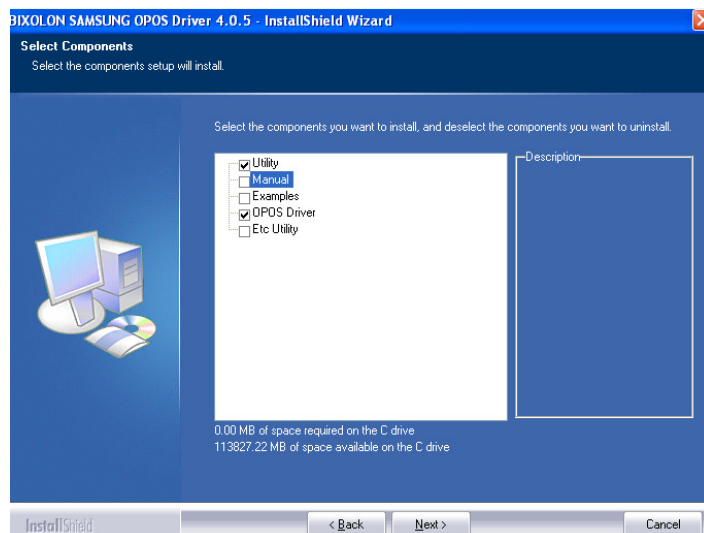
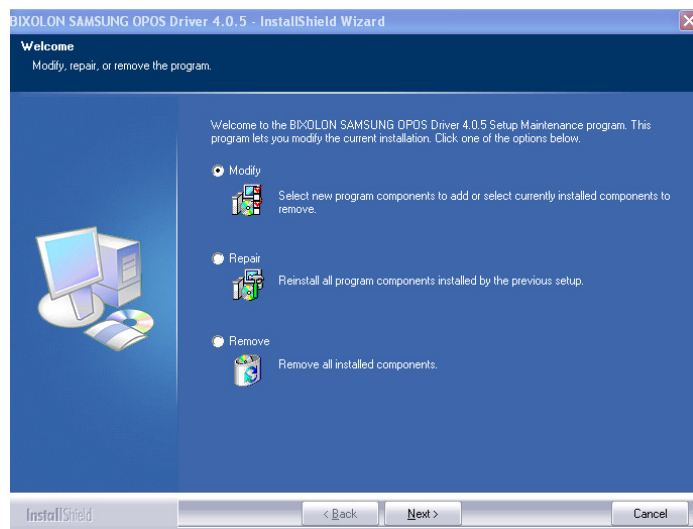
Contact your vendor to get your activation number

Contact Information

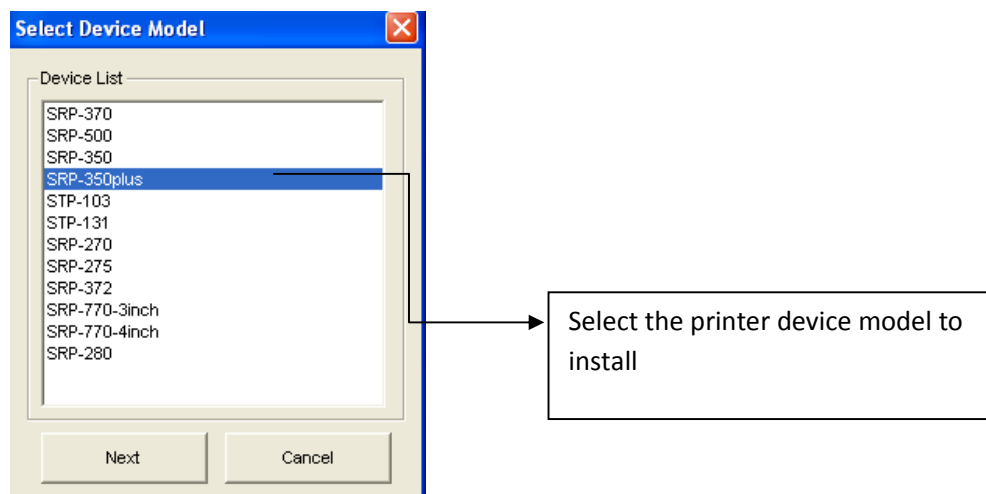
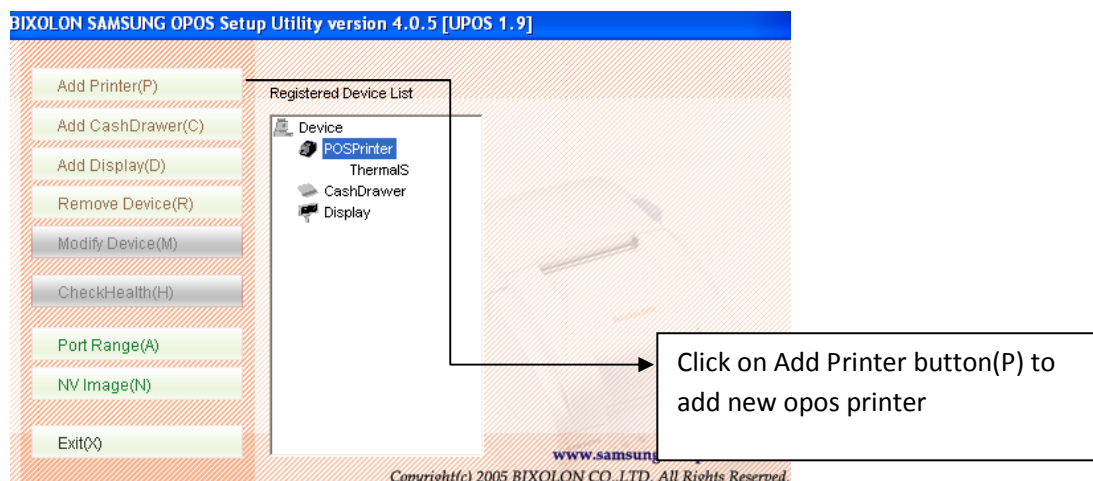
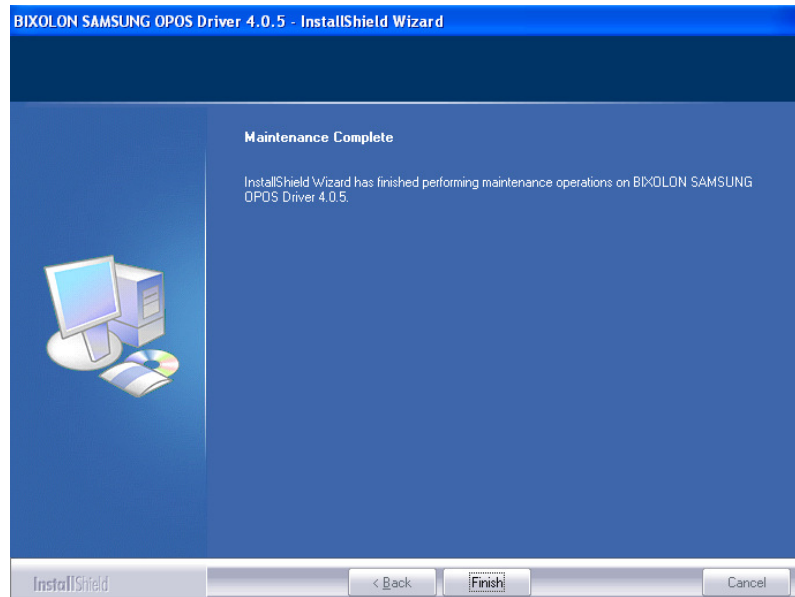
POS Printer Installation

SAMSUNG OPOS Installation

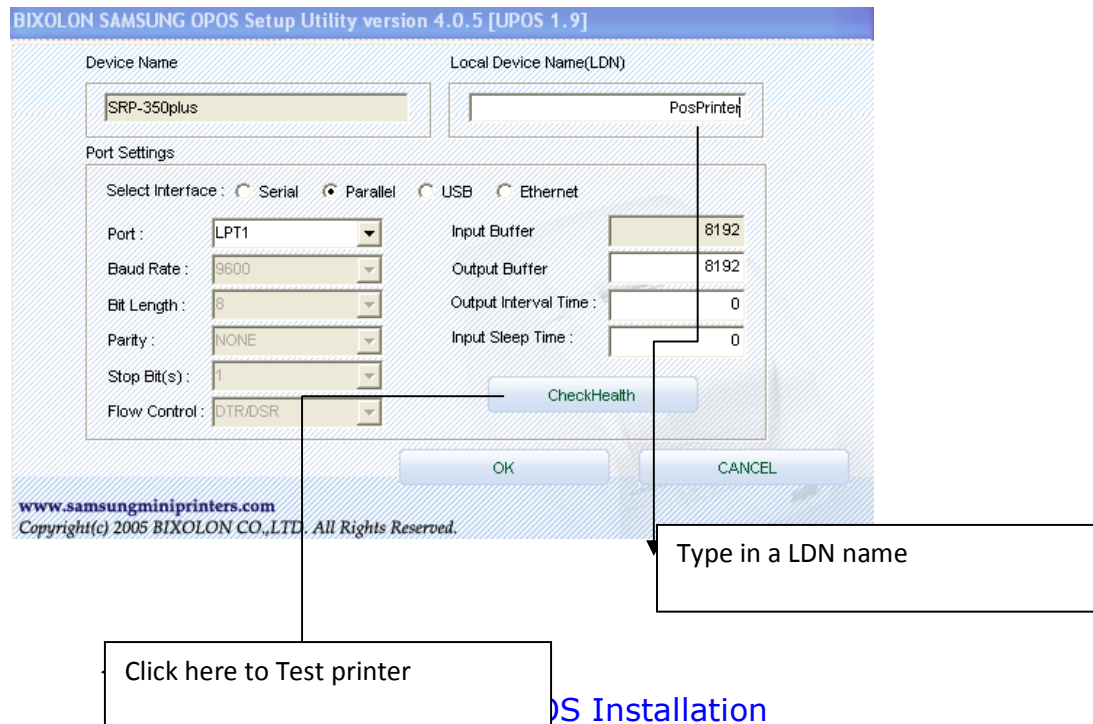
Driver location : ..\POS Printer\Samsung\OPOS



VPOS Installation Guide



VPOS Installation Guide

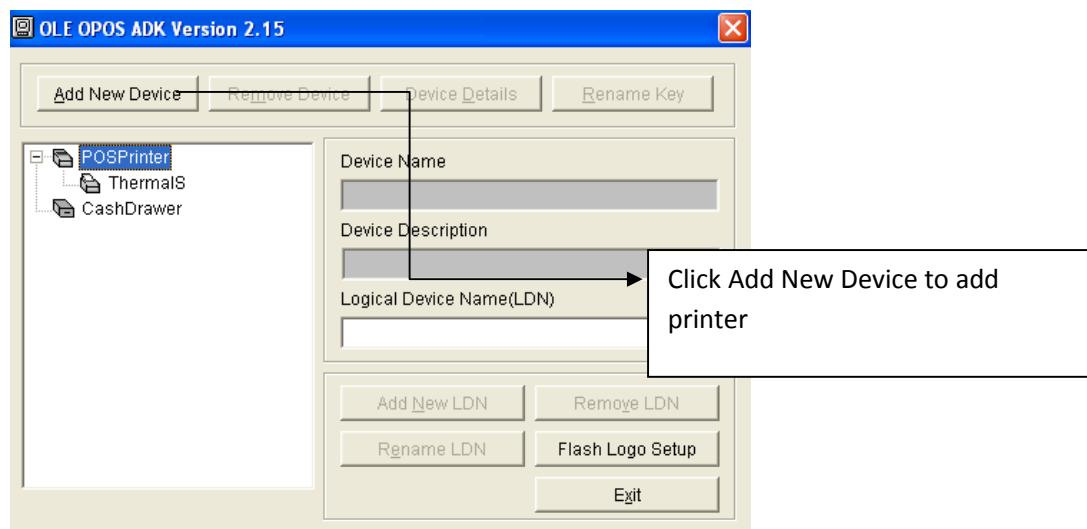
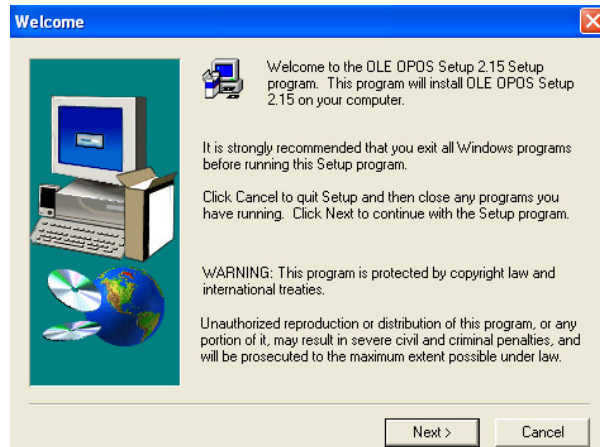
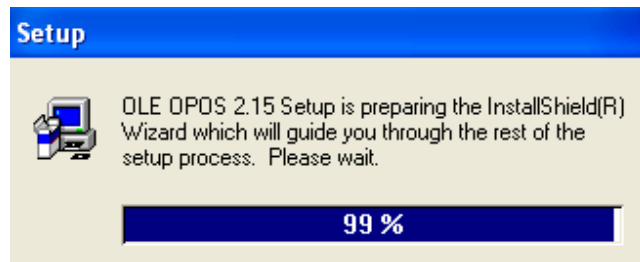


OPOS Installation

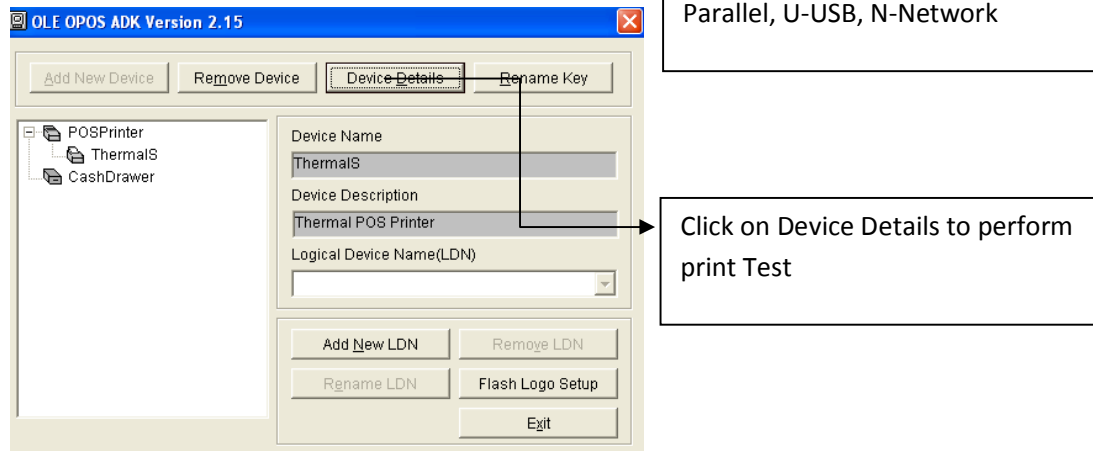
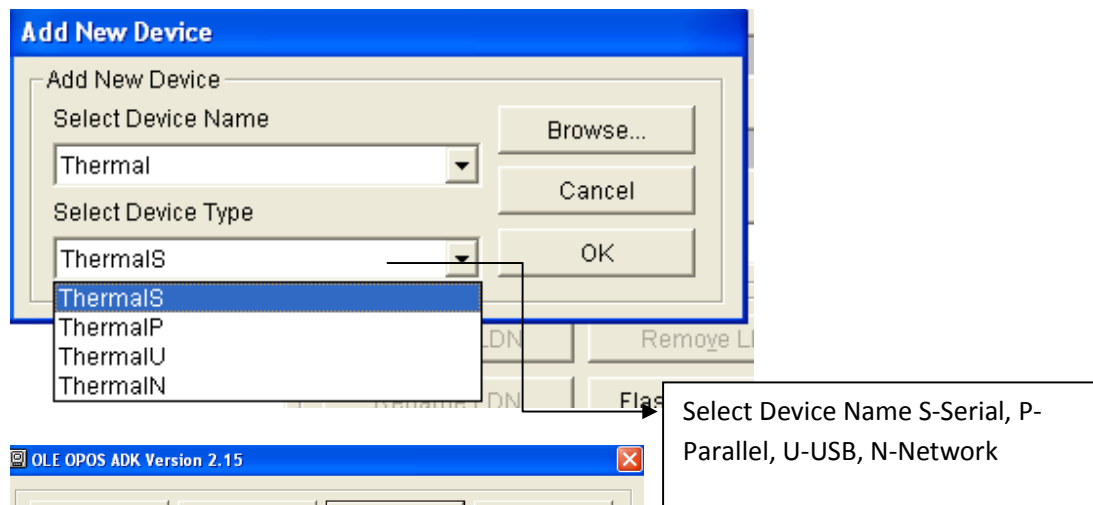
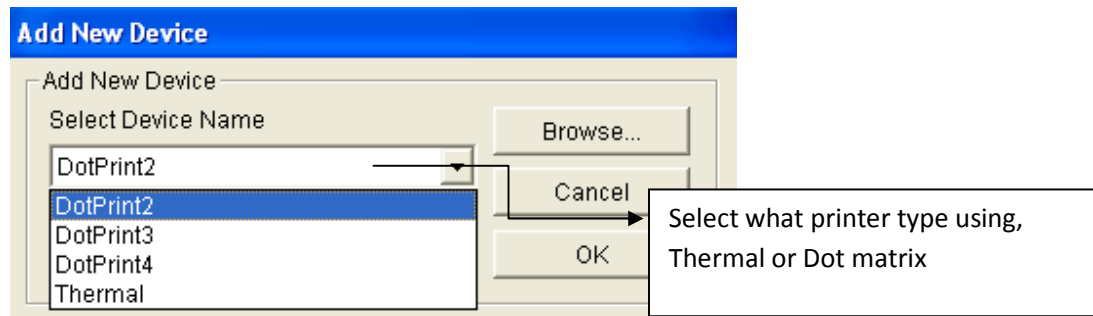
Driver location : ..\POS Printer\Lukhan\OPOS



VPOS Installation Guide



VPOS Installation Guide



VPOS Installation Guide

SETUP POS

Details of Device

Device Class
POSPrinter

Device Name
ThermalS

Device Name Key
ThermalS

Description
OLE POS Printer OPOS Service Object

Device Description
Thermal POS Printer

ADK Version
RecPrinter.POSPrinter.SO

Printer Test And Setting

OK

Click on printer Test and Setting

ThermalP Printer Settings

Device Name
ThermalP

Printer Test

Printer Settings

Port : LPT1

Bit Length :

StopBit :

BaudRate :

Parity :

Handshake :

Printer Settings(CashDrawer)

Open Level :

Pulse ON Time :

Pin No :

Pulse OFF Time :

InputBuf : 0

OutputBuf : 1024

Input Sleep Time : 10 msec

Output Interval Time : 1000 msec

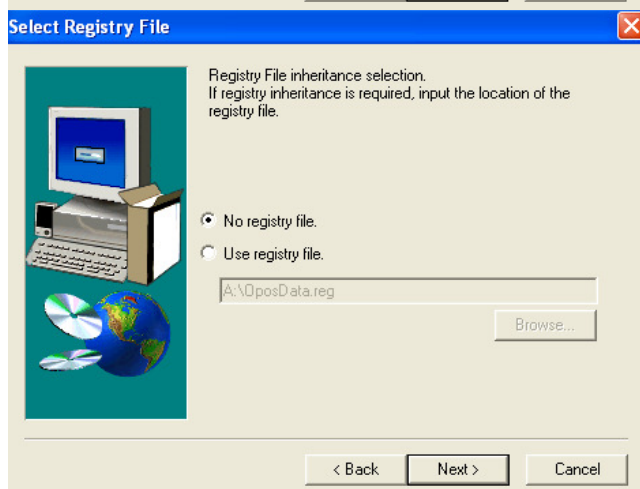
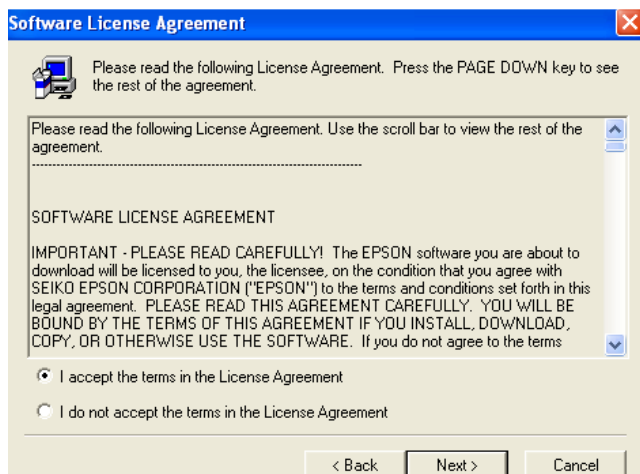
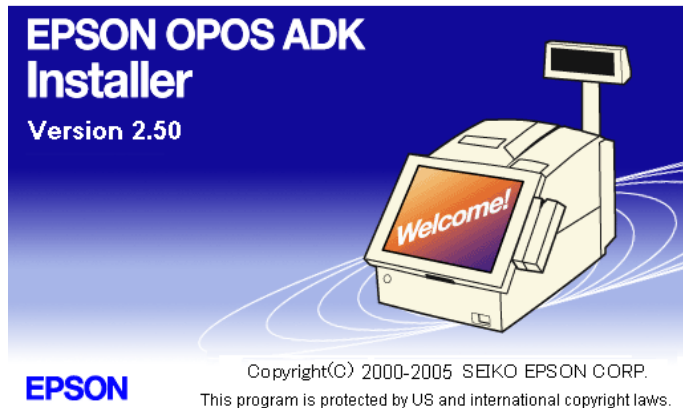
Close

Click on Printer Test to Start testing

VPOS Installation Guide

Epson OPOS Installation

Location for Epson OPOS : ...\\POS Printer\\Epson\\OPOS\\EPSON OPOS 2.50E\\EPSON OPOS 2.50E\\disk1



VPOS Installation Guide

Select Install module 

Choose a package to be installed.



☒ Program Files
☐ Samples
☐ Manuals

< Back Next > Cancel

Select CO Type 

Choose CO for priority registration.



☒ EPSON CO
☐ CCO (Common Control Object)

< Back Next > Cancel

Installation Type 

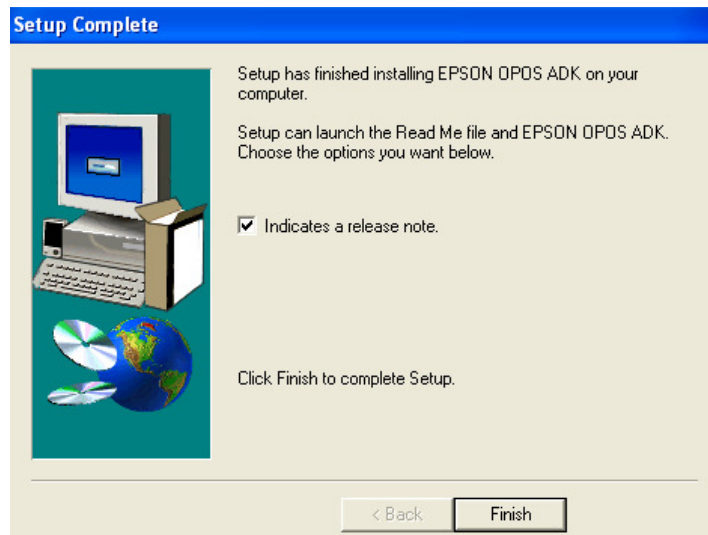
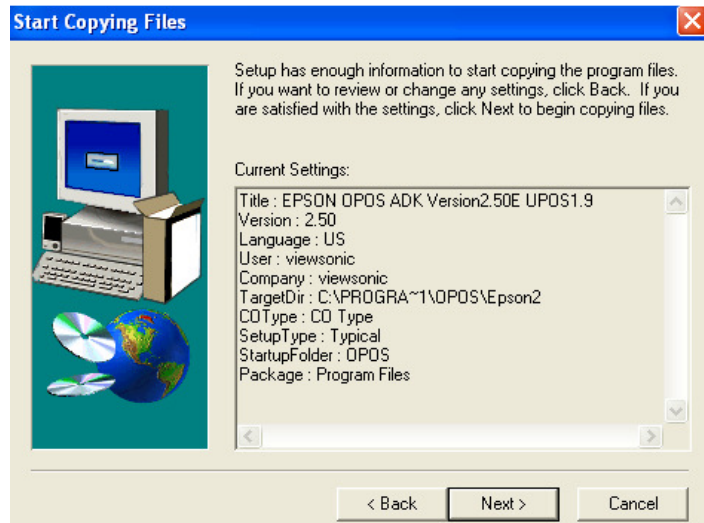
Choose the type of installation.
If you do not have any special requirements, full installation is recommended.



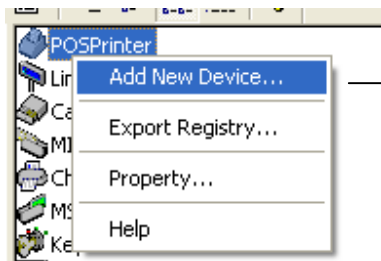
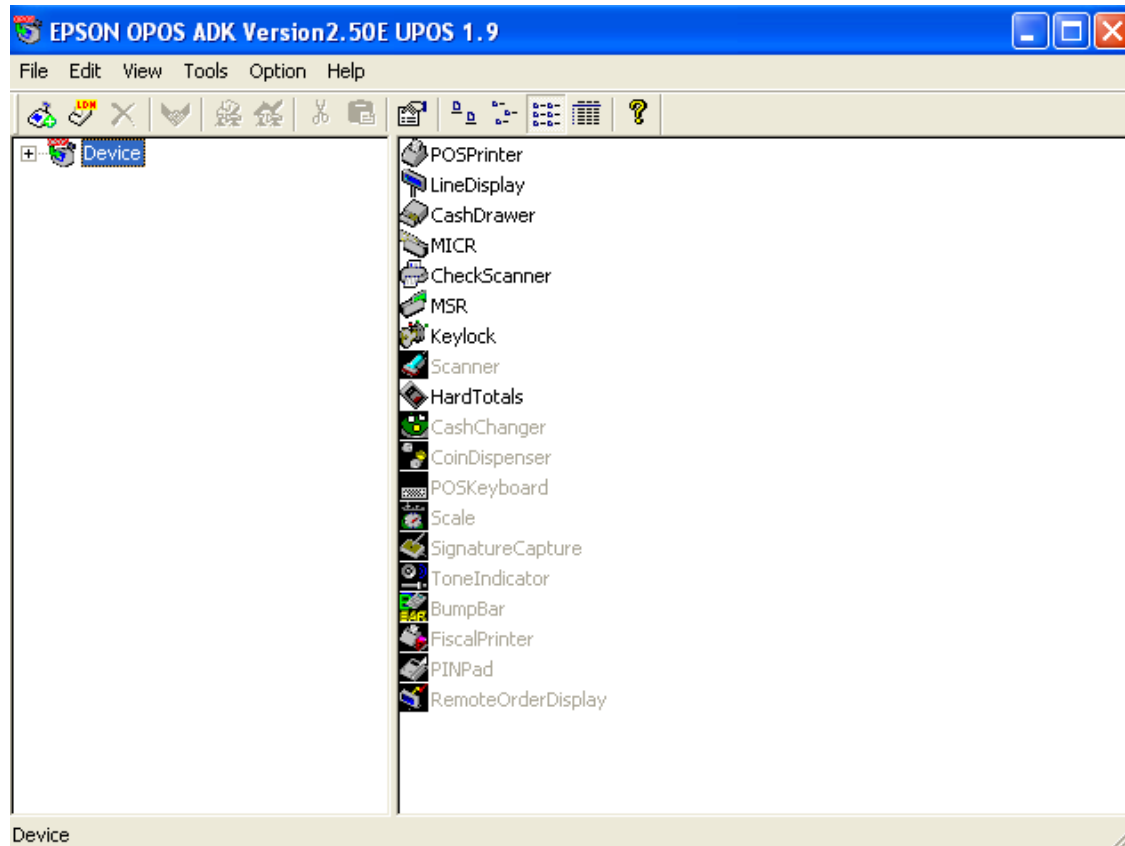
☒ Full Install
☐ Custom Install

< Back Next > Cancel

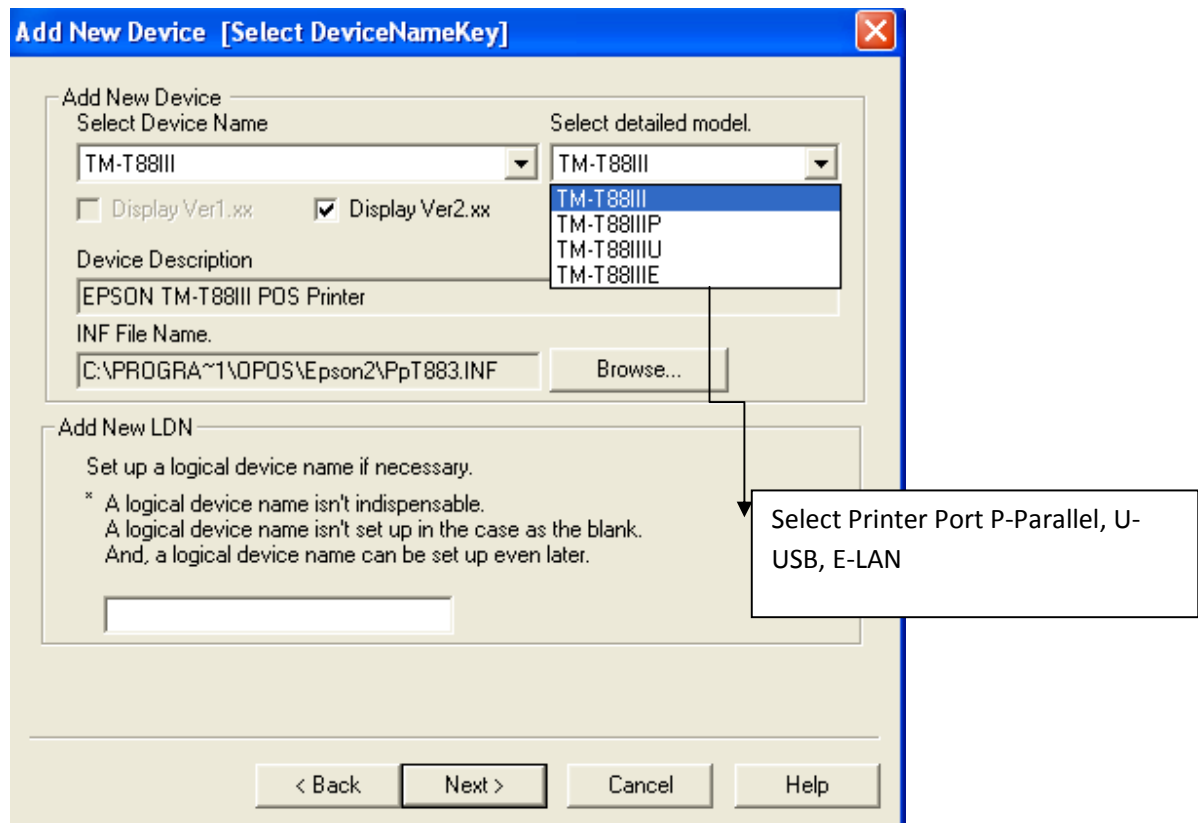
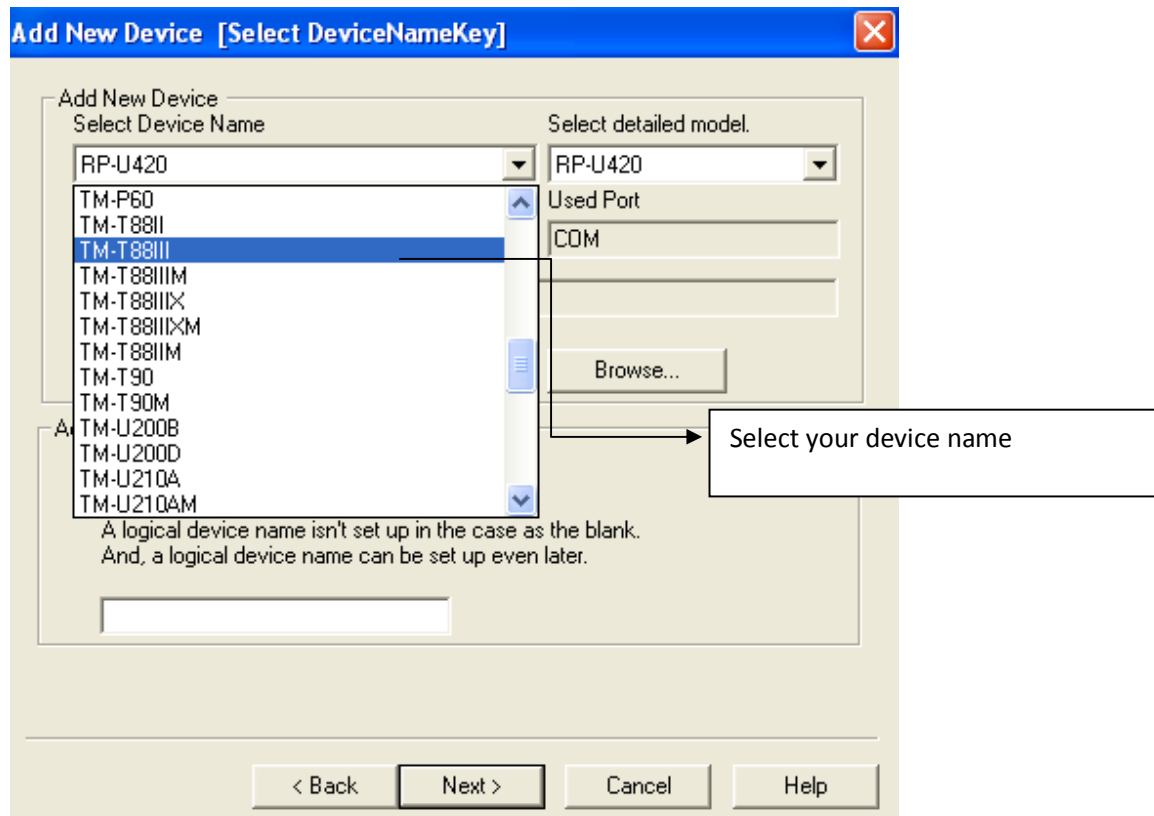
VPOS Installation Guide



VPOS Installation Guide



Click on Add New Device to Add printer



Add New Device [Select DeviceNameKey]

Add New Device

Select Device Name: Select detailed model:

☐ Display Ver1.xx ☒ Display Ver2.xx

Used Port:

Device Description:

INF File Name:

Add New LDN

Set up a logical device name if necessary.

* A logical device name isn't indispensable.
A logical device name isn't set up in the case as the blank.
And, a logical device name can be set up even later.

Type your LDN Name

< Back Next > Cancel Help

Add New Device [Communication Settings]

COM Port Settings

Port is being used by:

Setup of details of the port.

BaudRate: InputBuf:

BitLength: OutputBuf:

Parity: Output Interval Time: msec

StopBit: Input SleepTime: msec

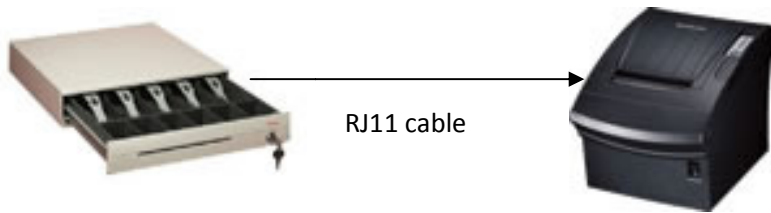
Handshake:

Click CheckHealth to test printer

< Back Finish Cancel Help

Cash Drawer Installation

Connection Diagram for Cash Drawer (RJ-11)



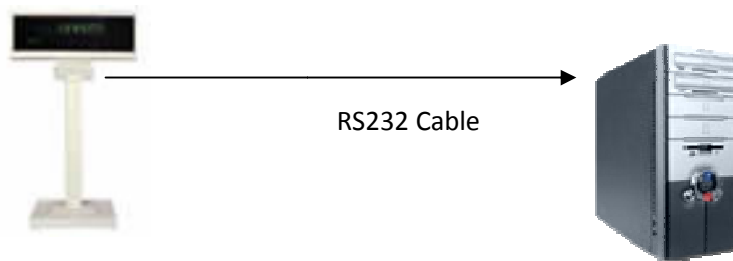
Plug in the RJ-11 cable from cash drawer into the back of your POS Printer RJ-11 port.

Connection Diagram for Cash Drawer (RS232)



Plug in the RS232 cable from cash drawer into the back of your Personal computer RS232 port.

Connection Diagram for Pole display (RS232)



Plug in the RS232 cable from your Pole display into the back of your Personal computer RS232 port.

Step to perform installation for Retail POS

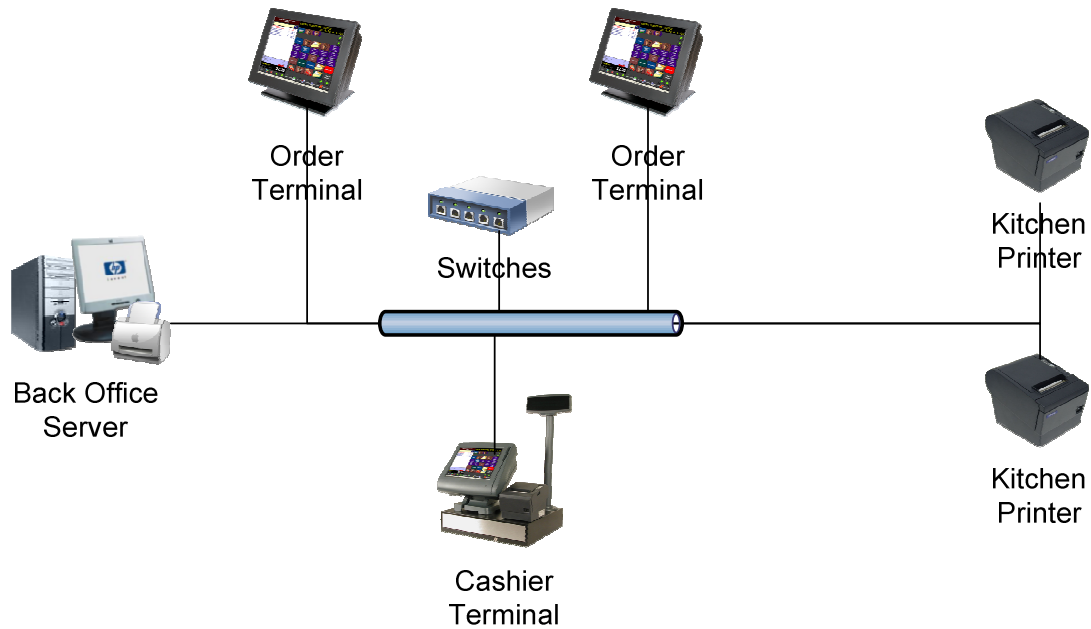
1. Get ready and made sure the Terminal is properly install and met the entire minimum requirement in order to continue the installation.(please refer to minimum requirement on Page 3)
2. Plug in the require POS Device into the Terminal, example : Pole display, POS Printer, MSR reader, scanner etc...
3. Install the entire driver for does POS Device and perform self test to make sure it is working.
4. Install VPOS front end POS System.

Step to perform installation for F&B POS

1. Get ready and made sure the Terminal is properly install and met the entire minimum requirement in order to continue the installation.(please refer to minimum requirement on Page 3)
2. Plug in the require POS Device into the Terminal, example : Pole display, POS Printer, MSR reader, scanner etc...
3. Install the entire driver for does POS Device and perform self test to make sure it is working.
4. Install all the POS Printer at kitchen, bar or others department and make sure printer it working fine.
5. Install VPOS front end POS System.

Basic Connection Diagram

Basic Connection diagram for VPOS F&B

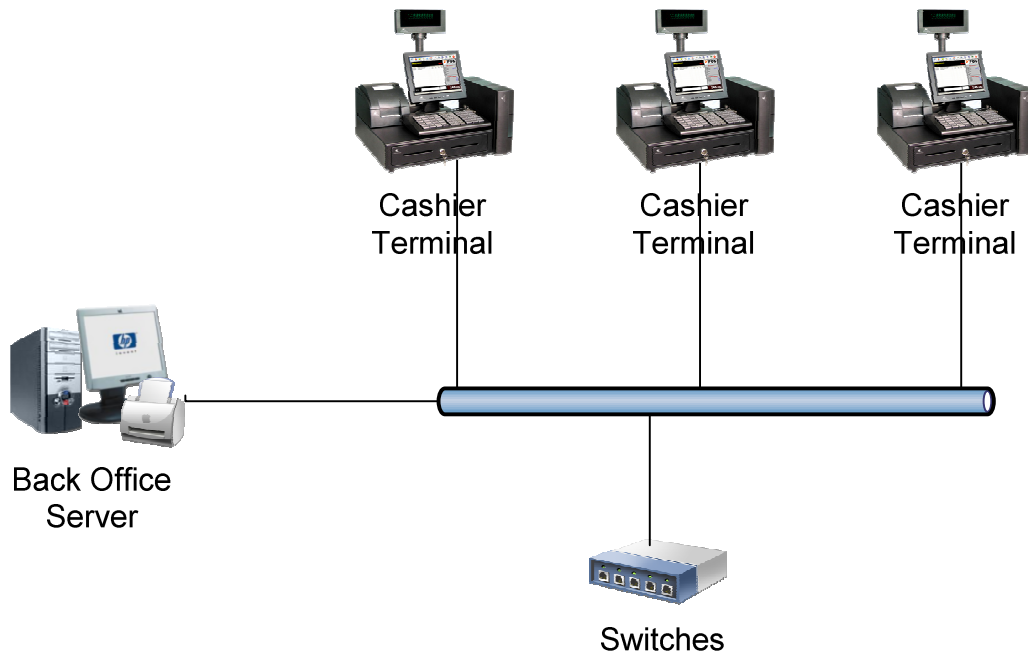


The above diagram isolates a basic connection diagram for a restaurant

Hardware involved:-

Cashier Terminal	1 Set	Integrated POS Terminal with 15" Touch Screen terminal, Thermal POS Printer, Pole display, RJ-11 Cashier Drawer and UPS
Back Office Server	1 Set	Entry level Server Personal Computer system, UPS, Laser Printer
Order Terminal	2 Units	Integrated POS Terminal with 15" Touch Screen terminal
Kitchen Printer	2 Units	Dot Matrix POS Printer with auto cutter and LAN Interface
Switches	1 Unit	8 ports Network switches

Basic Connection diagram for VPOS Retail



The above diagram isolates a basic connection diagram for a Retail Shop

Hardware involved:-

Cashier Terminal	3 Sets	Personal Computer, Dot Matrix POS Printer, Pole display, RJ-11 Cashier Drawer and UPS
Back Office Server	1 Set	Entry level Server Personal Computer system, UPS, Laser Printer
Switches	1 Unit	8 ports Network switches

Basic Diagram for Remote Online Multi chain store

