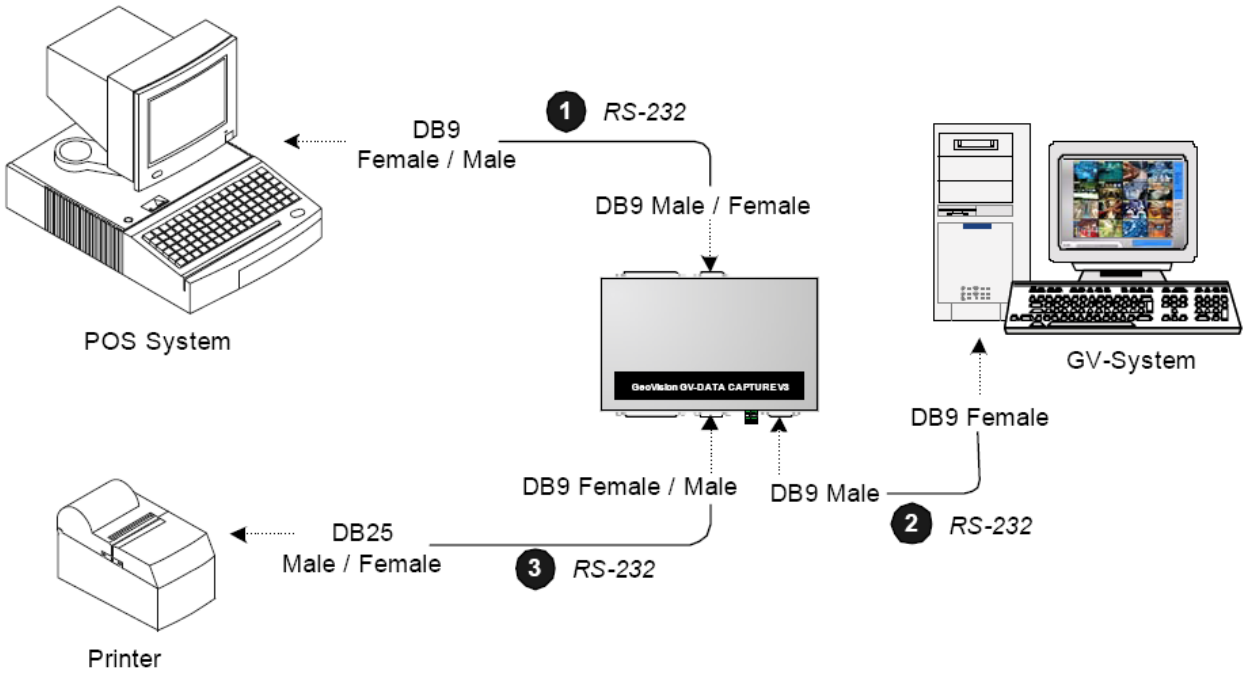
4.5 Data Capture Box V3/V3E

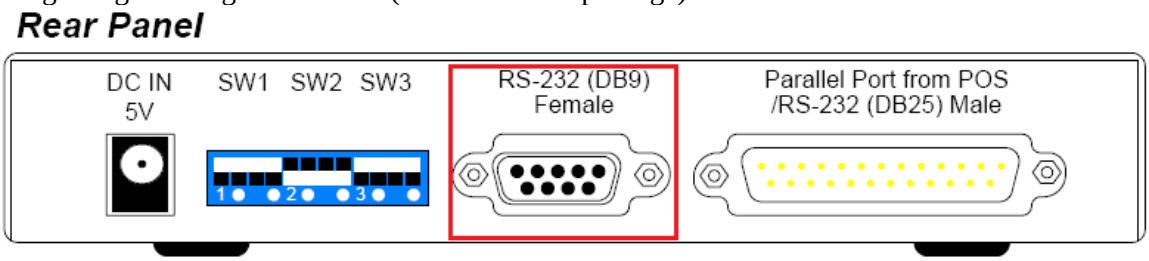
✓ ***HyperTerminal test*** *(section 4.4) must be verified prior to connecting a Data Capture Box to ensure text overlay compatibility.*

4.5.1 DB9 Connection

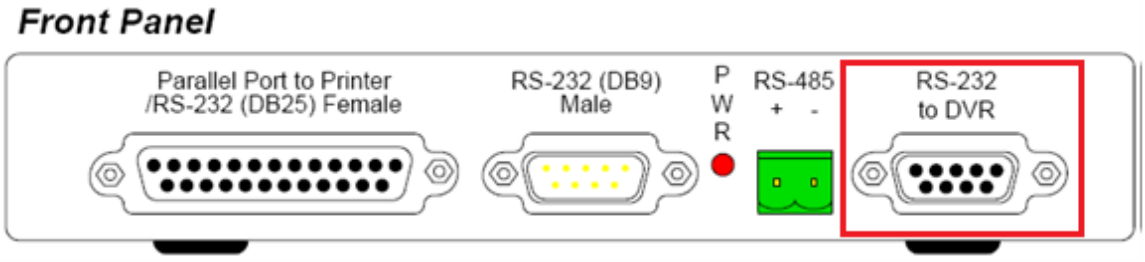
✓ Applicable device: Data Capture Box V3 and/or Data Capture Box V3E



1. Connect DB9 cable from POS cash register output into back side of Data Capture Box V3/V3E using straight through DB9 cable (included in the package).

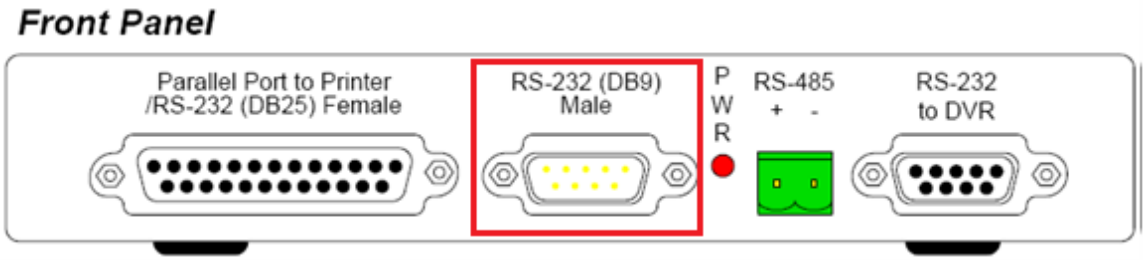


2. Connect DB9 straight through cable from front side of Data Capture Box to GV-DVR (included in the package).



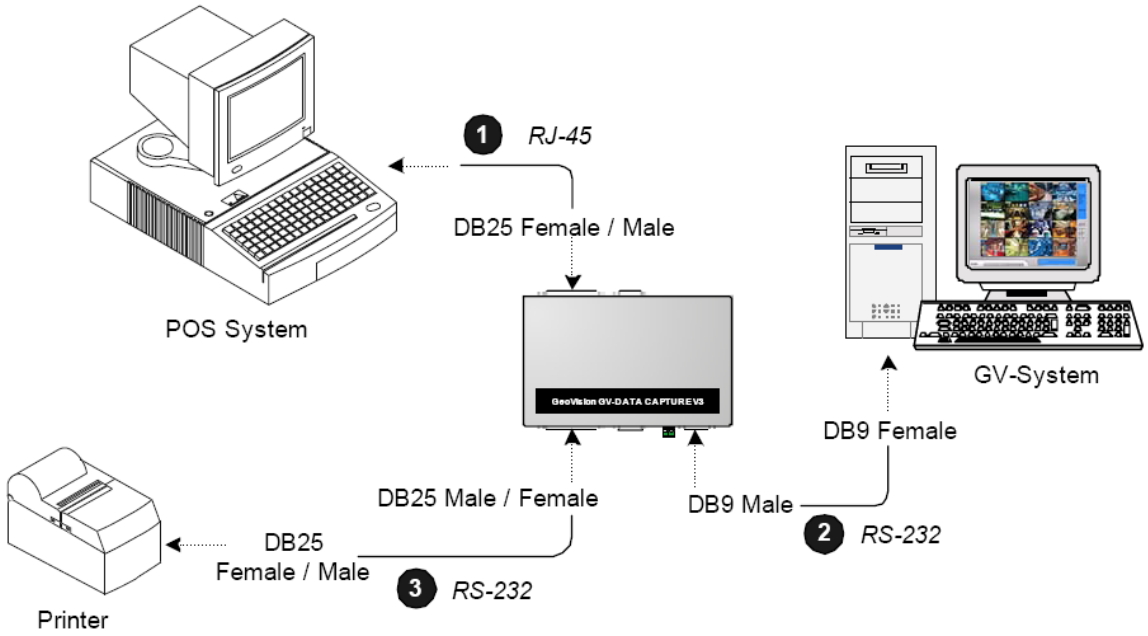
✓ *Alternatively, if the distance between the DVR and Data Capture Box is greater than 32 ft, RS485 connection can be used instead of RS232.*

3. Connect DB9 straight through cable from front side of Data Capture Box to the receipt printer the same way as the printer would be connected normally.

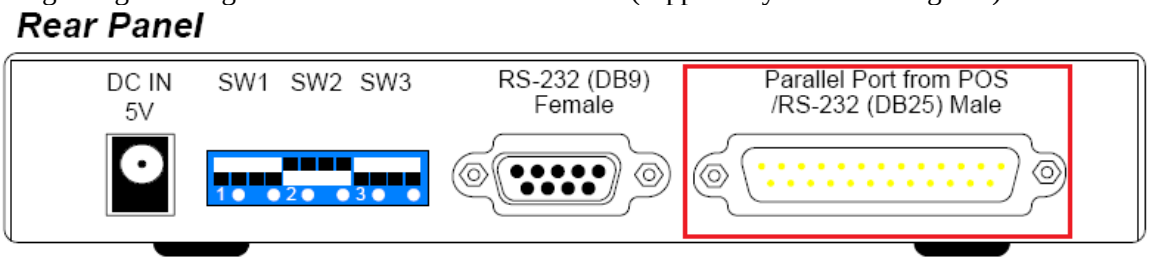


4.5.2 DB25 Serial Connection

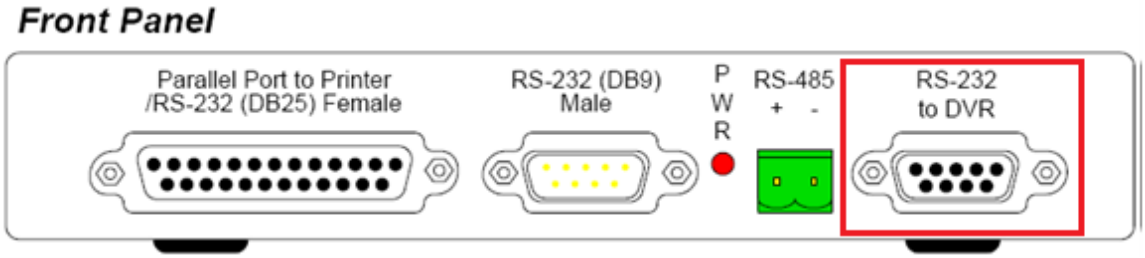
✓ Applicable device: Data Capture Box V3 and/or Data Capture Box V3E



1. Connect DB25 cable from POS cash register output into back side of Data Capture Box V3/V3E using straight through RJ-45 to DB25 converter cable (supplied by POS cash register).

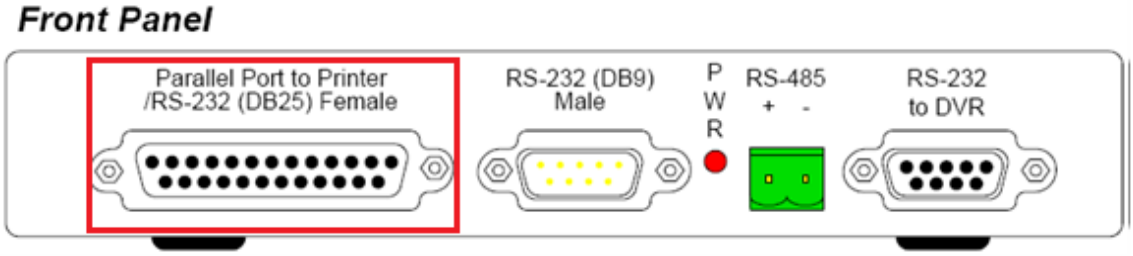


2. Connect DB9 straight through cable from front side of Data Capture Box to GV-DVR (included in the package).



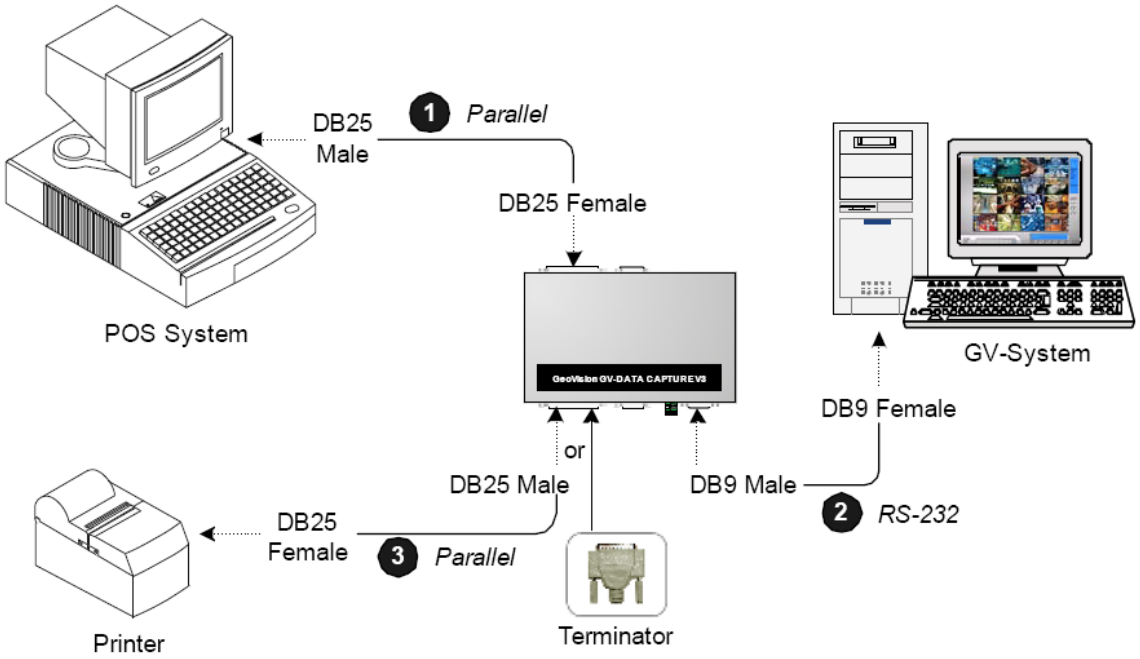
✓ *Alternatively, if the distance between the DVR and Data Capture Box is greater than 32 ft, RS485 connection can be used instead of RS232.*

3. Connect DB25 straight through cable from front side of Data Capture Box to the receipt printer the same way as the printer would be connected normally.

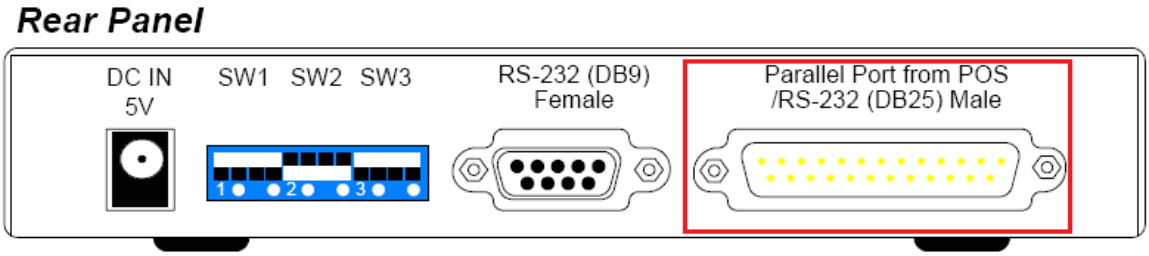


4.5.3 DB25 Parallel Connection

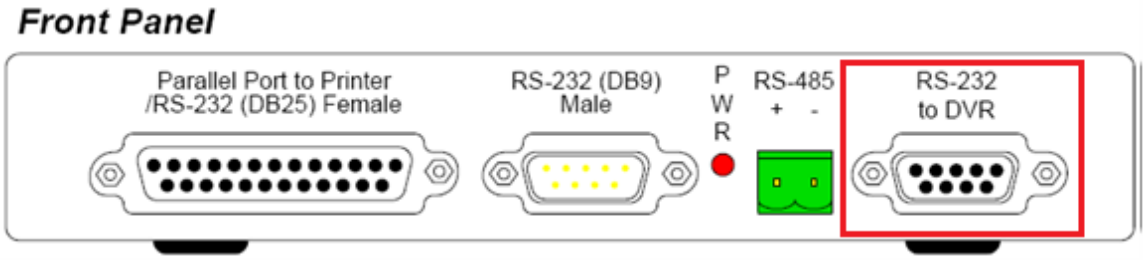
✓ Applicable device: Data Capture Box V3 and/or Data Capture Box V3E



1. Connect DB25 cable from POS cash register output into back side of Data Capture Box V3/V3E using straight through DB25 cable (supplied by POS cash register).

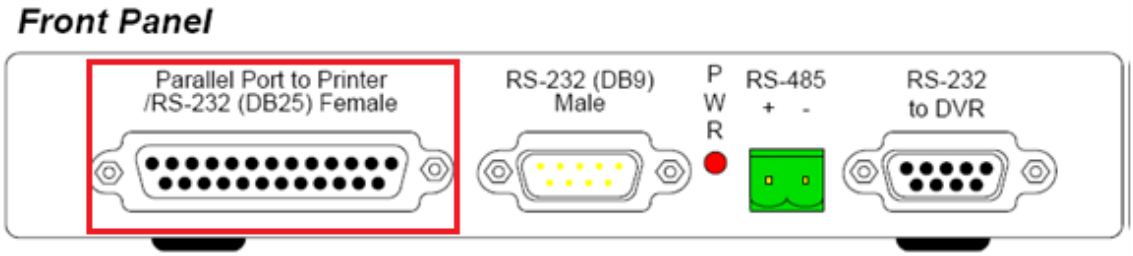


2. Connect DB9 straight through cable from front side of Data Capture Box to GV-DVR (included in the package).



   ✓ *Alternatively, if the distance between the DVR and Data Capture Box is greater than 32 ft, RS485 connection can be used instead of RS232.*

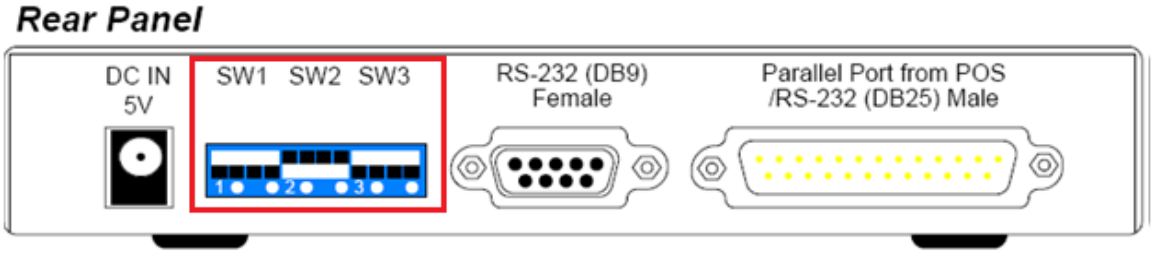
3. Connect DB25 straight through cable from front side of Data Capture Box to the receipt printer the same way as the printer would be connected normally.



4.5.4 DIP Switch and Baud Rate

✓ Applicable device: Data Capture Box V3 and/or Data Capture Box V3E

1. Adjust DIP switches located on the back side of Data Capture Box V3/V3E as follows:



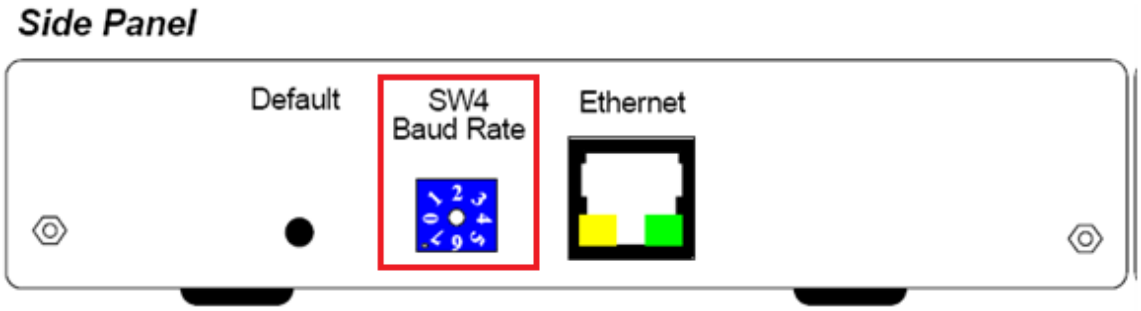
SW1	Up: Serial (Default) Down: Parallel	
SW2	Up: DB25 Mode Down: DB9 Mode (Default)	
SW3	Up: Non-crossover (Default) Down: Crossover	

✓ Example DIP Switch settings for previous sections are as follows:

Connection Type	4.5.1 DB9 Serial	4.5.2 DB25 Serial	4.5.3 DB25 Parallel
SW1	Up	Up	Down
SW2	Down	Up	Up
SW3	Up	Up	Up

2. Adjust Baud Rate (SW4) so that it matches that of POS cash register.

✓ *Refer to POS cash register's user manual or setup instruction for baud rate information.*

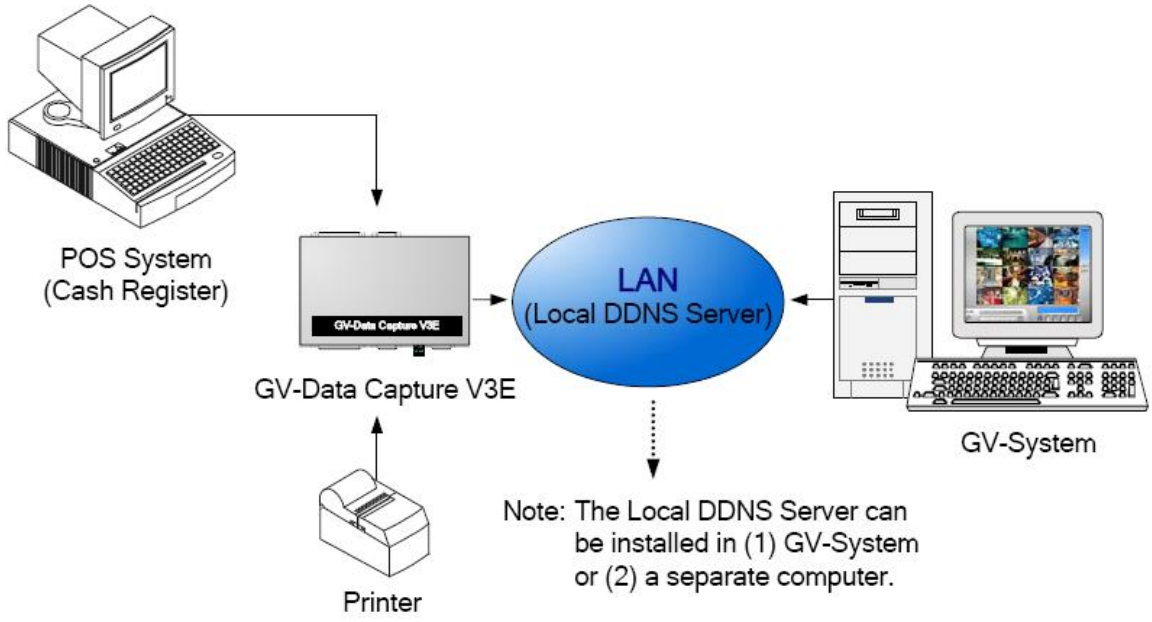


Switch Number	Baud Rate
0	115200 (default value)
1	57600
2	38400
3	19200
4	9600
5	4800
6	2400
7	1200

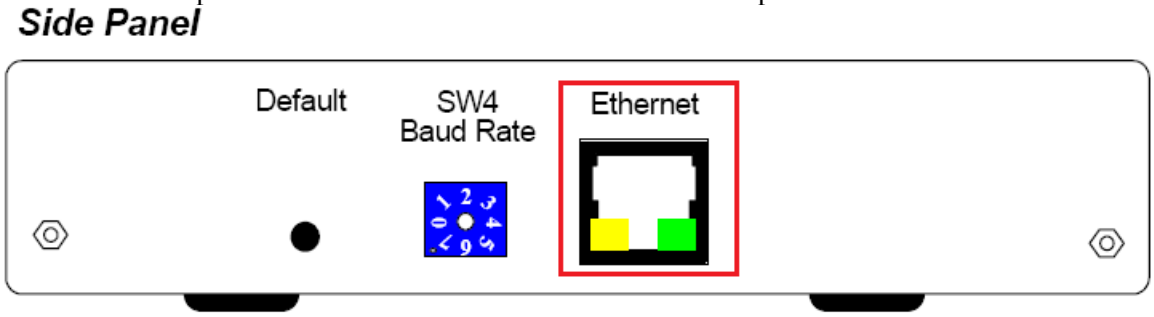
✓ *Selecting incorrect baud rate will result in garbage text on screen*

4.5.5 Ethernet Connection

- ✓ Applicable device: Data Capture Box V3E
  - ✓ *Data Capture Box V3E has default network properties of **IP address** 192.168.0.100, **Subnet Mask** 255.255.255.0, and **Default Gateway** 192.168.0.1.*
  - ✓ *Data Capture Box V3E has ID **admin** and password **1234**.*
  - ✓ *Prior to connecting to a network, it is necessary to confirm that the network properties of the Data Capture Box V3E match that of the actual network in which the Data Capture Box V3E will be used. See section 4.5.6 for network configuration.*



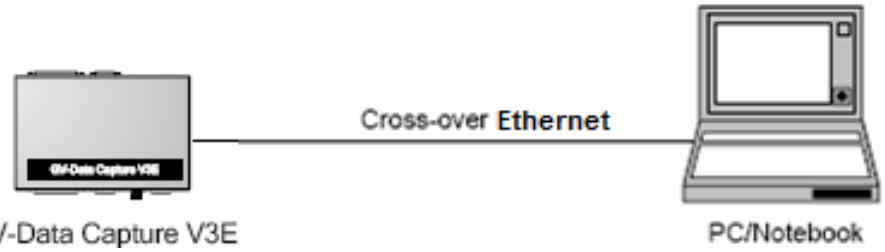
1. Connect POS cash register to Data Capture Box V3E by following step 1 of section 4.5.1 (DB9 connection), section 4.5.2 (DB25 serial connection), or section 4.5.3 (DB25 parallel connection).
2. Connect Data Capture Box V3E onto local network via Ethernet port on the side.



3. Connect Data Capture Box V3E to receipt printer by following step 3 of section 4.5.1 (DB9 connection), section 4.5.2 (DB25 serial connection), or section 4.5.3 (DB25 parallel connection).

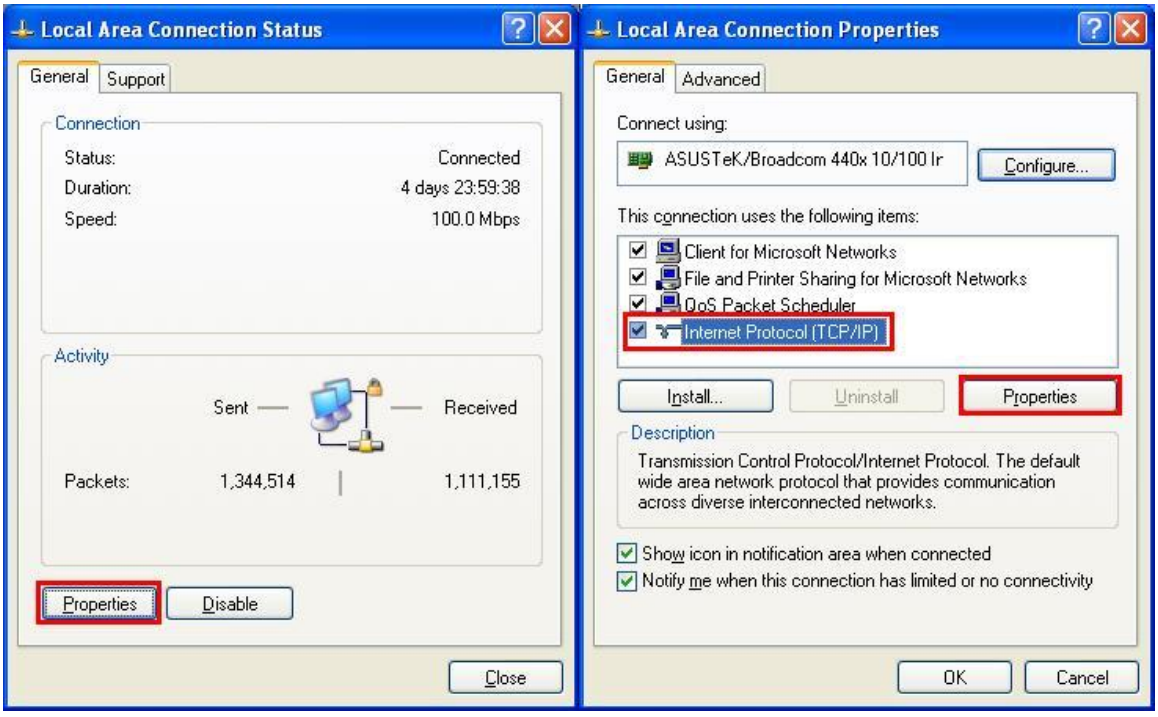
4.5.6 Network Configuration

- ✓ Applicable device: Data Capture Box V3E
- ✓ 1 x **Ethernet cable** is required for direct Data Capture Box V3E to PC/laptop connection.



1. Connect Data Capture Box V3E with a PC/laptop via an **Ethernet cable**.
2. On the PC/laptop, click on "**Start**", "**Control Panel**", then "**Network Connections**".

3. Double-click on "**Local Area Connection**".
4. Click "**Properties**".

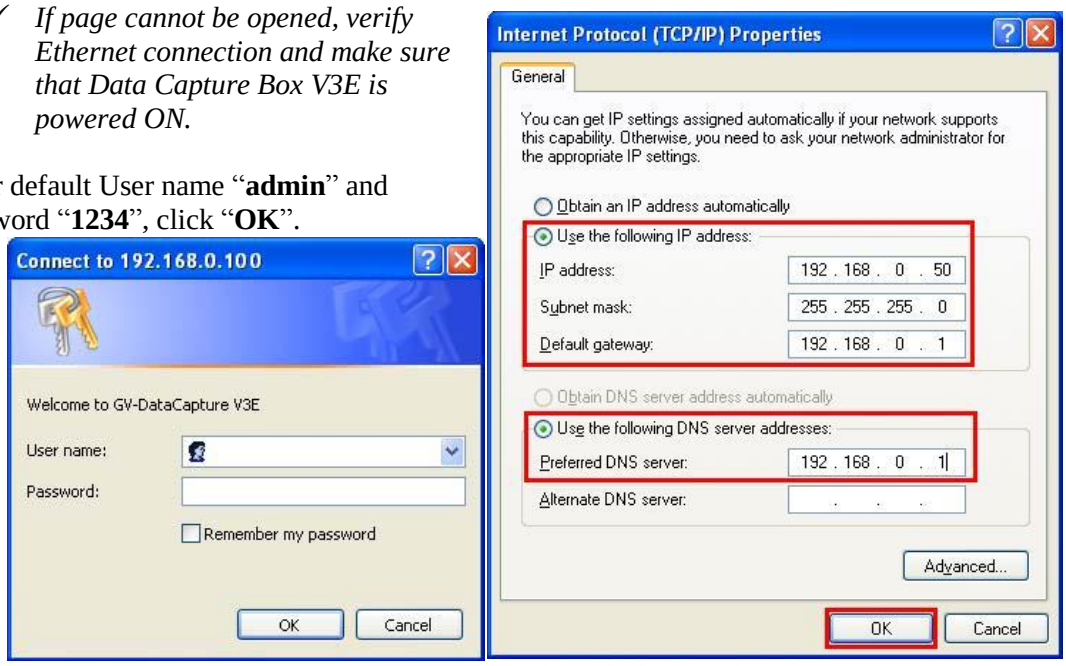


5. Highlight "**Internet Protocol (TCP/IP)**", select "**Properties**".
6. Select "**Use the following IP Address**", then set PC/laptop's network properties as follows:
   a. IP Address: 192.168.0.50
   b. Subnet Mask: 255.255.255.0
   c. Default Gateway: 192.168.0.1
   d. Preferred DNS Server: 192.168.0.1

7. Click "**OK**".
8. Open Internet Explorer, go to http://192.168.0.100.

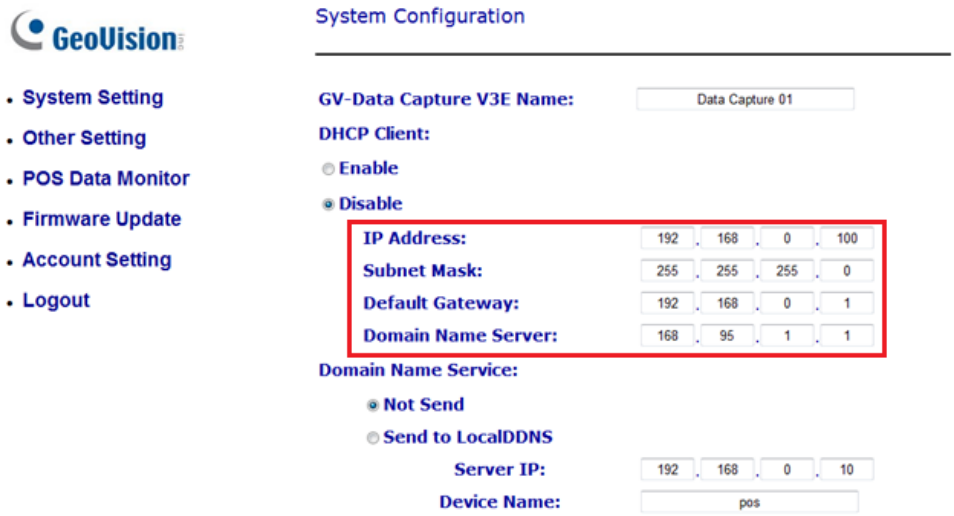
   ✓ *If page cannot be opened, verify Ethernet connection and make sure that Data Capture Box V3E is powered ON.*

9. Enter default User name "**admin**" and password "**1234**", click "**OK**".



10. Change **IP Address**, **Subnet Mask**, **Default Gateway**, and **Domain Name Server** so they match the network properties of the desired network.

    ✓ *In order to prevent IP conflict, it is necessary to configure the Data Capture Box V3E with an IP address that is not yet taken in the network*



11. Double check the new network properties of the Data Capture Box V3E, click "**Submit**".
12. Connect Data Capture Box V3E back in original desired network.

    ✓ *Ping Data Capture Box V3E with its new IP address. If there is no response, load default on Data Capture Box V3E then restart from step 1.*

✓ For detail instruction, refer to p.12 of Data Capture Box V3E User Manual