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



- Finiter
- 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).

Rear Panel



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

Front Panel



- ✓ 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



 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).
 Rear Panel



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

Front Panel



- ✓ 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.

Front Panel

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).

Front Panel



- ✓ 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.

Front Panel



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:

Rear Panel



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

✓ 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.*

Side Panel

 ⊘	efault SW4 Baud Rate	Ethernet	
	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).
- Connect Data Capture Box V3E onto local network via Ethernet port on the side.
 Side Panel



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.



GV-Data Capture V3E

PC/Notebook

- 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".



Connected, Firewalled ASUSTEK/Broadcom 440x 10/...

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

🕹 Local Area Connection Stat	us 🛛 🛛 🔀	🗕 Local Area Connection Properties 🛛 🔹 🔀
General Support		General Advanced
Connection		Connect using:
Status:	Connected	B ASUSTeK/Broadcom 440x 10/100 lr
Duration:	4 days 23:59:38	
Speeu.	100.0 Mbps	
Activity		
Sent —	Received	□nstall Uninstall Properties
Packets: 1,344,514	1,111,155	Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
Properties Disable		Sho <u>w</u> icon in notification area when connected Notify <u>m</u> e when this connection has limited or no connectivity
		OK Cancel

- 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 <u>http://192.168.0.100</u>.

·	If page ca Ethernet of that Data powered of	nnot be opened, verify connection and make sure Capture Box V3E is ON.	Internet Protocol (TCP/IP) Pro General You can get IP settings assigned a this capability. Otherwise, you need the appropriate IP settings.	operties automatically if your network supports d to ask your network administrator for
9. Enter passy	r default User word " 1234 ",	r name " admin " and click " OK ".	Dbtain an IP address automative following IP address:	tically
	Connect to 192	2.168.0.100	IP address:	192.168.0.50
			S <u>u</u> bnet mask:	255 . 255 . 255 . 0
	11	1 Prime	Default gateway:	192.168.0.1
	Welcome to GV-D	ataCapture V3E	O Obtain DNS server address a	utomatically
	11		Use the following DNS server	r addresses:
	User name:	22 Y	Preferred DNS server:	192.168.0.1
	Password:		Alternate DNS server:	
		Remember my password		Advanced
		OK Cancel	-	OK Cancel

- 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

GeoUision:	System Configuration		
System Setting Other Setting POS Data Monitor	GV-Data Capture V3E Name: Data Capture 01 DHCP Client: © Enable © Disable		
Firmware Update	IP Address:	192 . 168 . 0 . 100	
Account Setting	Subnet Mask:	255 . 255 . 255 . 0	
Logout	Default Gateway:	192 168 0 1	
	Domain Name Server:	168 95 1 1	
	Domain Name Service:		
	Not Send		
	Send to LocalDDNS		
	Server IP:	192 , 168 , 0 , 10	
	Device Name:	pos	

- 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