Thank you for choosing the VE-PG3. The Virtual Serial Port function of VE-PG3 allows you to control a device with a serial communication interface, through the TCP/IP network. READ ALL INSTRUCTIONS carefully and completely before using.

1. System requirements  
   (As of September 2015)

   **Operating System**
   - Microsoft® Windows® 8.1/8 (32/64 bit)
   - Microsoft® Windows® 7 (32/64 bit: Service Pack1 or later)
   - Microsoft® Windows Vista® (32/64 bit: Service Pack2 or later)

   **NOTE:**
   - Microsoft® Windows® RT is not supported.
   - Because the system requirements may differ, depending on your PC environment, the operation is not guaranteed.
   - “Windows 7” is used for the descriptions in this instruction guide.

   **Connection**
   The Virtual Serial Port function of the VE-PG3 is designed to remotely control a device with a serial communication interface. Connect the VE-PG3 and the serial device using the modified RS-232C cable, as illustrated below.
   - Verify that both the VE-PG3 and device are turned OFF when connecting or disconnecting the cable.
   - Example: Connecting an RS-232C cable with the 9-pin D-sub connector.

   ![Diagram of VE-PG3 connection](image)

   **WIRING**
   (In this example, the serial device is assumed to be a DTE.)

<table>
<thead>
<tr>
<th>B4</th>
<th>B3</th>
<th>B2</th>
<th>B1</th>
<th>C1</th>
<th>C2</th>
<th>C3</th>
<th>C4</th>
</tr>
</thead>
<tbody>
<tr>
<td>GND</td>
<td>TXD</td>
<td>RXD</td>
<td>RTS</td>
<td>CTS</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   **RS-232C**
   (9-pin D-sub connector)

   ![Connector diagram](image)

   ![Virtual Serial Port function illustration](image)

   **NOTE:**
   - A data transmission delay may occur as the data routes through the network. The error caused by the delay may be improved if the time out timer is set to a long value.
   - Use a crossover cable when you connect a DCE (Data Circuit-terminating Equipment) to the VE-PG3.

2. Preparation on the VE-PG3

   1. Access the VE-PG3 setting screen.
      • See the VE-PG3 instruction manual for details.
   2. Click the [Port Settings] menu, and then click [EXT Output 1 (EXT1)].
   3. Select “Enable.”
      • The [Serial Communication] items will appear.
   4. Configure the [Serial Communication] items as shown below.

   ![Configuration screen](image)

3. Adding the Virtual Serial Port

   1. Insert the CD (UTILITY DISC) into a CD drive.
      • You must log on as the administrator.
   2. Double-click the icon (APPLICATION FILE) contained in the CD.
   3. Click [Virtual Serial Port Manager] on the menu screen.
   4. If “User Account Control” appears, click [Yes] to continue.
   5. When the Virtual Serial Port window appears, click [Add].
      • If a security warning dialog appears or the application asks you to reboot the PC, follow the instructions.
   6. Click the [Install] button in the [Virtual Serial Port Manager] window.
   7. When the installation is finished, the COM port number (Example: COM10) will appear in the above window.
      • The COM port number may differ, depending on your PC environment.

---

3. Adding the Virtual Serial Port

   1. Access the VE-PG3 setting screen.
      • See the VE-PG3 instruction manual for details.
   2. Click the [Port Settings] menu, and then click [EXT Output 1 (EXT1)].
   3. Select “Enable.”
      • The [Serial Communication] items will appear.
   4. Configure the [Serial Communication] items as shown below.

   ![Configuration screen](image)

   ![Virtual Serial Port function illustration](image)

   **NOTE:**
   - A data transmission delay may occur as the data routes through the network. The error caused by the delay may be improved if the time out timer is set to a long value.
   - Use a crossover cable when you connect a DCE (Data Circuit-terminating Equipment) to the VE-PG3.
4. Configuring the Virtual Serial Port

1. Insert the CD (UTILITY DISC) into a CD drive.
   • You must log on as the administrator.

2. Double-click the icon (APPLICATION FILE) in the window.

3. Click [Virtual Serial Port Manager] on the menu screen.

4. If "User Account Control" appears, click [Yes] to continue.

5. When the Virtual Serial Port window appears, double-click on the port to configure. (Example: COM10).

6. The property window will appear. Select the [Port Settings] tab in the property window, and enter the VE-PG3’s IP address (on the LAN) (See the top side for details).

7. Enter the TCP port number (See the top side for details), and then click [OK].

8. Confirm the port setting, and then click [Close].

[For your information]
• You can open the property window in the Device Manager.
• [Address] on the [Port Settings] tab (in step 6) can also accept a domain name of up to 255 characters.
• Right-click on the title bar of the Virtual Serial Port window, and then select [About(A)...] to open the [Version info] window, as shown below.

5. Deleting the Virtual Serial Port

1. Insert the CD (UTILITY DISC) into a CD drive.
   • You must log on as the administrator.

2. Double-click the icon (APPLICATION FILE) contained in the CD.

3. Click [Virtual Serial Port Manager] on the menu screen.

4. If "User Account Control" appears, click [Yes] to continue.

5. When the Virtual Serial Port window appears, select the port to delete (Example: COM10), and then click [Delete].

6. Confirm the port setting, and then click [Close].

[For your information]
• To simultaneously delete multiple ports, select them while holding down [Shift] or [Ctrl].
• If the application asks you to reboot the PC, follow the instructions.