

VSPS-03 (Pendant Programmer)

1. If you were provided with a programming cable with USB connection, follow these steps:
 - 1.1 Login to the PC as Administrator.
 - 1.2 Connect the USB cable to an available USB port.
 - 1.3 Windows will display the "Found New Hardware Wizard" dialog box.
 - 1.4 Select "No, not this time" when asked if to use Windows Update and click on **Next**.
 - 1.5 Select "Install from a list or Specific Location (Advanced)" and click on **Next**.
 - 1.6 Select "Search for the best drivers in these locations" followed by "Include this location in the search". Click on **Browse** and navigate to the **USB Virtual COM Port Drivers** folder located under the VisiDB installation folder (usually **C:\Program Files\VisiDB**). The **Ok** button should be enabled - Click on **Ok** followed by **Next**.
 - 1.7 If Windows displays a warning about the driver signature or certification, click on **Continue Anyway** to proceed with installation.
 - 1.8 The driver should be installed successfully by Windows. Click on **Finish**. If Windows displays the "Found New Hardware Wizard" dialog box again, repeat steps 1.4 to 1.8
 - 1.9 Right click on **My Computer** and select **Properties**. Click on the **Hardware** tab and then on **Device Manager**.
 - 1.10 Scroll down to **Ports (COM & LPT)** and locate the **USB Serial Port**. Take note of the number in brackets (for example, COM7).
 - 1.11 Proceed to step #3.
2. If you were provided with a 9-pin cable connection, connect the provided cable to COM1 on the PC (or other serial port). Take note of the number of COM port used (for example, COM1).
3. Identify the configuration of J1 and J3 applicable to the programmed Pendant and position the Pendant to match the applicable configuration image.
4. Connect the other end of the cable to the J3 pin header on the Pendant. Pin 1 of the connector should be connected to the left most pin of J3 (pointing towards the 5-pin connector - see Image 2 & 3).
5. Insert battery in to the Pendant.
6. If the Pendant is equipped with the Man-Down feature, press and hold the Pendant button for 4 seconds to temporarily disable the Man-Down feature.
7. Use the **VisiDB** software or **HyperTerminal** to program the pendant.

VisiDB Instructions

8. Run **VisiDB**.
9. Click on **Setup, Configure** and select the COM port noted above in the **Serial using** drop down list. Verify that the **COM Settings** are set to 9600-N-8-1 and click on **Ok**.
10. Click on **Devices** menu, **Device Programmers, Pendant Programmer**.
11. Enter the capcodes and messages to program.
12. Click on **Program** and follow the instructions displayed (press **F1** for Help and additional information).
13. Disconnect the cable from the Pendant. Reset the Pendant by shorting pins **2** and **5** of J1 (see Image 2). Test the Pendant by sending a page to it.

HyperTerminal Instructions

8. Open **HyperTerminal** program (usually located at **Programs\Accessories\Communications** Windows menu).
9. Start a new connection and configure it to **9600-N-8-1** (Image 1). Activate the connection using the **Call** menu.
10. Press and hold the Pendant button and keep pressing Enter on the PC keyboard until the Pendant light is on and stays lit. If communication is successful, the **HyperTerminal** will display **?99**.
If after pressing the Enter key 10 times the light does not stay on, release the Pendant button, wait 10 seconds and try again.
11. Release the Pendant button.
12. Use the following commands to read or program the Pendant (all command must be in capital letters):

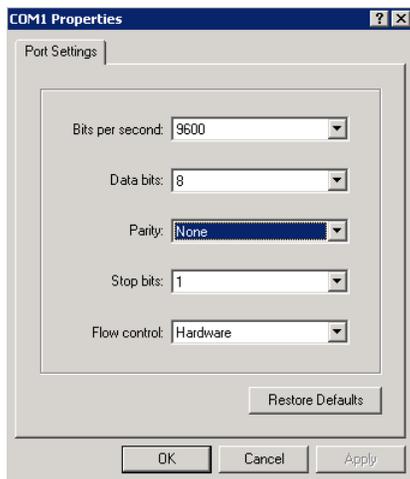
- **?Cn** – Read and display the value of a Capcode where n is a Capcode number from 1 to 3. For example, **?C1** will return the value of Capcode 1.
Note: Capcode 3 is reserved for Low Battery indications.
- **PCnCCCCCC** – Program the value of a Capcode where n is a Capcode number from 1 to 3 and CCCCCCC is a 7 digit Capcode. For example, **PC10800900** will program Capcode 1 with the value of 0800900.
- **?Mn** – Read and display the Pendant message where n is a number from 1 to 2.
- **PMnM** – Program the Pendant message where n is a number from 1 to 2 and M is the message text (up to 60 characters).
- **?SM** - Read and display the Pendant mode.
- **SMn** – Program the Pendant mode where n is a number from 1 to 4:
 - 0 – Alphanumeric only, 512 BPS
 - 1 – Alphanumeric only, 1200 BPS
 - 2 – Numeric only, 512 BPS
 - 3 – Numeric only, 1200 BPS

13. Disconnect the cable from the Pendant. Reset the Pendant by shorting pins 2 and 5 of J1 (see Image 2). Test the Pendant by sending a page to it.

14. If the Pendant is equipped with the Man-Down feature and the feature was activated, the pendant will flash 3 times when in the horizontal position. Follow these steps to activate or deactivate the feature:

Place the pendant in vertical position and wait for 3 seconds
Press and hold the Pendant button for 5 seconds

Image 1



Configuration 1 (PCB Version V2.2) – USB Cable

5	GND
4	
3	
2	
1	VCC

Image 2

1	2	3	4	5	6
See Pin 1 Marking on the Connector					

Image 3

Configuration 1 (PCB Version V2.2) – Non-USB Cable

5	GND
4	
3	
2	
1	VCC

Image 2

1	2	3	4	5	6
Red	N/C	Green	Black	N/C	Yellow

Image 3

Configuration 2

5	GND
4	
3	
2	
1	VCC

Image 2

1	2	3
Green	Black	Yellow

Image 3

Configuration 3

5	4	3	2	1
GND				VCC

1	2	3
Green	Black	Yellow