



# Bluetooth® Pairing & Setup Instructions

This guide assists users in pairing the HC-100 to E.H. Wachs Automated Valve Operators.

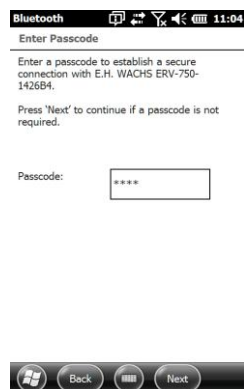
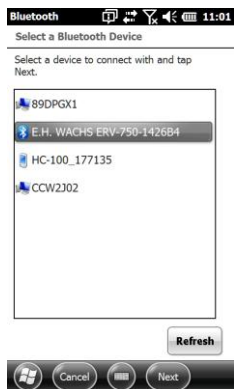
## BLUETOOTH® CONFIGURATION

1. Before proceeding, make certain Vitals Mobile is not running in the background. Launch Vitals Mobile and then click **Menu**→**EXIT**.
2. Pair the *Bluetooth® equipped* machine to the HC-100 controller. Tap **Settings** → **Connections** → **Bluetooth®** to enter the **Devices** screen.
3. Tap **Add new device...** Windows Mobile will begin searching and should find an **E.H. WACHS ERV-750** or **E.H. WACHS TM7** machine.

**NOTE:** See trouble shooting if no E.H. Wachs device is found.

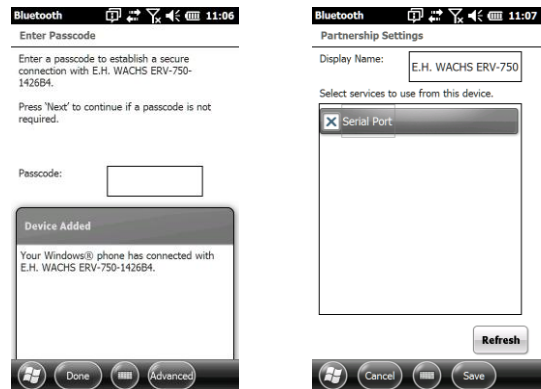


4. Select the **E.H. WACHS ERV-750** or **E.H. WACHS TM7** and click **Next**. Enter **1234** in the **Passcode** box, and click **Next**.



5. Click **Advanced** on the pop up message. Check the **Serial Port** box. Click **Save**.

**NOTE:** In the **Devices** screen, clicking on the device under **Disconnected** will bring the **Partnership Settings** again.

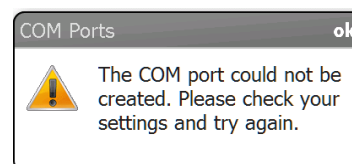


6. Select **COM Ports** → **New Outgoing Port** → Select **E.H. WACHS ERV-750** or **E.H. WACHS TM7** → Click **Next**.



7. Select any COM Port except for COM8 and COM0. More than one *Bluetooth®* connection can be created - an ERV and a TM-7 for instance. Machines must have unique COM Ports. Uncheck **Secure Connection**. Click **Finish** → **OK** → **X** to go back to the **Home Screen**.

**NOTE:** See troubleshooting section for any error messages.



8. Run **Vitals Mobile** from the Home Screen.

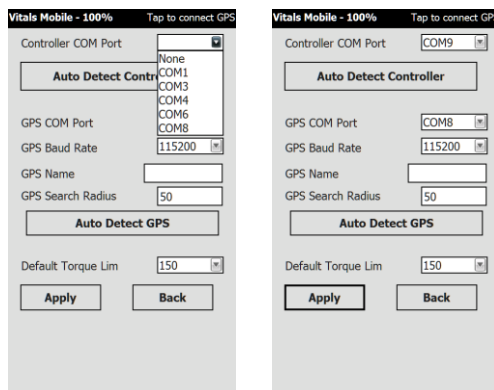
9. Click **Menu** → **Settings**.



10. Click the drop down on **Controller COM Port** and select a COM. Should be the same as the one selected in Step 7.

#### COM Port options:

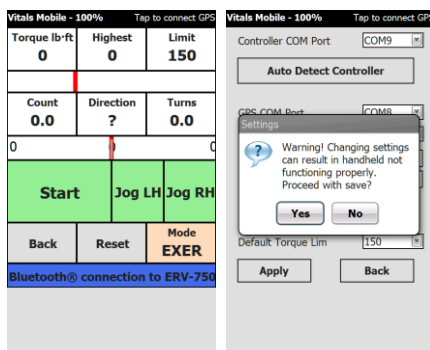
- Cable Connection**=COM 1
- Bluetooth® Connection** =COM5, COM6, COM7 or COM 9.



11. **Apply** → **Yes** to save settings. Click **Back** to go to the Home Screen.

12. Click the **Controller** button to go to the controller screen and test the machine using the **Bluetooth®** connection.

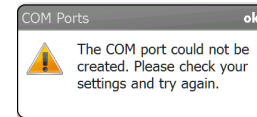
**NOTE:** If connection fails see troubleshooting section.



## TROUBLESHOOTING

- ISSUE:** No COM Ports found.
  - CAUSE:** No power to machine.
    - SOLUTION:** Switch toggle switch on machine to the ON position.

- ISSUE:** The COM Port could not be created.



- CAUSE:** COM Port used by other device.
  - SOLUTION:** Delete COM Port from other device or use a different COM Port
- CAUSE:** COM Ports internally locked and cannot be used anymore.
  - SOLUTION:** Run the **Clean-Bluetooth-Registration-Utility** and click **Clean Reg** and then **OK** to restore COM Ports back to factory settings.



- ISSUE:** No COM Ports available in Vitals Mobile.
  - CAUSE:** Windows Mobile
    - SOLUTION:** Delete all pairings and pair again. Un-install Vitals Mobile and Re-install again.
    - SOLUTION:** Factory Reset.
- ISSUE:** Vitals Mobile not connecting to machine.
  - CAUSE:** Bluetooth turned off.
    - SOLUTION:** Turn ON Bluetooth.
  - CAUSE:** Wrong Controller COM Port.
    - SOLUTION:** Verify COM Port is the correct one by checking in **Settings** → **Connections** → **Bluetooth** → **COM Ports**.
  - CAUSE:** Damaged cable harness inside enclosure.
    - SOLUTION:** Replace cable harness .