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Stanley Access Technologies

Quick-Reference Guide

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1. PURPOSE

1.1 Discussion

This manual provides installation and configuration instructions for the Stanley Bluetooth Programming Adapter using various devices.

The Bluetooth Programming Adapter is a wireless dongle that permits tune-in of an MC521 controller or StanVision sensor controller without using an interface cable. (A dongle is a small wireless device that plugs into the Stanley controllers. The dongle serves as a wireless connection to enable the use of the Stanley Palm operating system and Windows Mobile applications.)

The operating range for the Bluetooth Programming Adapter is 33 feet (10 meters). The environment around the door may cause some interference and affect performance. Likewise, any obstructions between the dongle and the handheld device may affect performance. For best results it is recommended to stay within 10 feet (3 meters) of the door.

Figure 1 illustrates the Bluetooth Programming Adapter components. Figure 2 describes the controls and indicators.
Figure 1. Bluetooth Programming Adapter Components

- DB9 TO DB9 CABLE FOR STANVISION
- DB9 TO RJ12 CABLE FOR MC521
- AC CHARGER
- BLUETOOTH PROGRAMMING ADAPTER
- NiMH BATTERIES
Figure 2. Bluetooth Programming Adapter Controls and Indicators

### Control/Indicator

<table>
<thead>
<tr>
<th>Control/Indicator</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Power Button</td>
<td>Controls power to the Bluetooth Programming Adapter. Pressing and holding the red power button until the blue and green LEDs flash back and forth several times then releasing the button turns power on. This is indicated by the green LED flashing two times per second. Pressing and holding the red power button until the blue and green LEDs flash back and forth several times then releasing the button turns power off. This is indicated by the blue and green LED remaining off.</td>
</tr>
<tr>
<td>Green LED</td>
<td>Indicates wireless connection status. Flashes two times per second when in standby. (Power will time out when in standby for more than three minutes.) Illuminates steady when connected.</td>
</tr>
<tr>
<td>Yellow LED</td>
<td>Indicates data transfer status. Blinks while data is transferring.</td>
</tr>
<tr>
<td>Blue LED</td>
<td>Indicates battery life status. Flashes once every two seconds when battery is low.</td>
</tr>
<tr>
<td>Red LED</td>
<td>Charge indicator. Turns on when batteries are charging.</td>
</tr>
<tr>
<td>Charger Input Socket</td>
<td>Allows connection of AC charger.</td>
</tr>
</tbody>
</table>
1.2 **Applicability**

This manual is applicable to the Stanley Bluetooth Programming Adapter. This device can be used for tune-in of an MC521 controller or StanVision sensor controller.

2. **PREREQUISITES**

2.1 All four DIP switches have been set in the down position.

2.2 The area has been cleared of all obstructions.

2.3 Attachment 1 has been reviewed for the following:

- Definitions of the terms used in this procedure
- A listing of the documents, special tools and equipment, materials, and consumables used in this procedure.

3. **PRECAUTIONS**

3.1 AAA alkaline batteries can be used to power this unit. However, standard alkaline batteries are not designed to be recharged and should never be placed in any battery charger. Attempting to charge alkaline batteries will significantly increase the likelihood for battery leakage. Only use the wall charger with NiMH-type rechargeable batteries.

3.2 If while trying to make a connection to the dongle a message indicates that a connection could not be made, verify that power is on and that the green LED is flashing two times per second. Then, try to make the connection again. (This may need to be repeated a couple of times.) If connection is lost or out of range, turn power to the dongle off, close the application on the handheld device, and try again.
4. INSTRUCTIONS

**WARNING**
To prevent injury to personnel and damage to equipment, never recharge AAA alkaline batteries with the wall charger. Only use the wall charger with NiMH-type rechargeable batteries.

**NOTE**
The batteries should be charged before using.

4.1 Removing, Installing, and Charging, and the Bluetooth Batteries

4.1.1 Refer to Figure 2, and REMOVE the batteries from the Bluetooth Programming Adapter as follows:
   a. PUSH the tab on the end of the unit opposite the DB9 connector.
   b. SWING the cover up until it releases.
   c. REMOVE the two batteries.

4.1.2 INSTALL the batteries into the Bluetooth Programming Adapter as follows:
   a. OBSERVE the correct polarity of the batteries and dongle, and INSTALL the two batteries into the unit.
   b. SNAP the cover into place.

4.1.3 CHARGE the batteries as follows:
   a. INSERT the DC connector from the charger into the socket located on the side of the Bluetooth Programming Adapter.
   b. PLUG the charger into the wall outlet. The red LED shall illuminate while the unit is charging.

4.2 Powering the Bluetooth Programming Adapter On and Off

4.2.1 POWER the Bluetooth Programming Adapter on as follows:
   a. PRESS and HOLD the red power button until the blue and green LEDs flash back and forth several times.
   b. RELEASE the power button. The green LED shall flash.

4.2.2 POWER the Bluetooth Programming Adapter off as follows:
   a. PRESS and HOLD the red power button until the blue and green LEDs flash back and forth several times.
   b. RELEASE the power button. The blue and green LED shall turn off.
### 4.3 Pairing the Bluetooth Programming Adapter to a Palm Handheld Device Using the MC521 Toolbox

**NOTE**

It sometimes takes more than one press to activate the Bluetooth selections.

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Step 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Using the MC521 cable, connect the DB9F connector to the Bluetooth Programming Adapter.</td>
<td>CONNECT the RJ11M connector to Com1 of the MC521 controller and make sure that the cable and Bluetooth Programming Adapter are not in the path of any moving door parts.</td>
</tr>
</tbody>
</table>

**Step 3:**  
Using the MC521 cable, connect the DB9F connector to the Bluetooth Programming Adapter. Run the MC521 Toolbox application. Select the Bluetooth button. The Bluetooth Discovery Results screen shall be displayed.

**Step 4:**  
On the Bluetooth Discovery Results screen, select Nearby Devices from the Show dropdown list. The Bluetooth dongle shall be listed as StanleyBT-XXXX, where XXXX are the last four digits of the serial number on the unit label. Select the Bluetooth and click OK.

**Step 5:**  
The following shall occur: The Bluetooth Capabilities Check screen shall be displayed. Then, the Bluetooth Serial Port Connecting... screen shall be displayed. Then, a series of three small Bluetooth logos shall be displayed.

**Step 6:**  
The First Install Door Selection screen shall be displayed.
Step 7: Or, the Main Selection screen shall be displayed, depending on whether the controller has been set up with an FIS or not. The green LED on the Bluetooth Programming Adapter shall illuminate steady indicating that it has a connection with the handheld device. At this point all functions are available and operate the same as when the cable is used. When the wireless link is connected and the green LED on the unit illuminates steady the power remains on and does not time out.

4.4 Pairing the Bluetooth Programming Adapter to a Palm Handheld Device Using the M40 Express Setup

Step 1: Using the Stanvision cable, connect the DB9F connector to the Bluetooth Programming Adapter.

Step 2: CONNECT the DB9M connector to the Stanvision Visual Sensor Controller (VSC). Make sure that the cable and Bluetooth Programming Adapter are not in the path of any moving door parts.

Step 3: Turn on power to the Bluetooth dongle. Click on the M40 EXPRESS SETUP icon and run the M40 EXPRESS application. Select the Connection button. The StanVision Connection Choices screen shall be displayed.

Step 4: On the StanVision Connection Choices screen, select the Bluetooth button. The Bluetooth Discovery Results screen shall be displayed.

Step 8: Refer to one of the following as applicable and tune-in door:
Step 5: On the Bluetooth **Discovery Results** screen, select **Nearby Devices** from the **Show** dropdown list. The Bluetooth Programming Adapter shall be listed as StanleyBT-XXXX, where XXXX are the last four digits of the serial number on the unit label. Select the Bluetooth and click **OK**.

Step 6: The following shall occur: The Bluetooth Capabilities Check screen shall be displayed. Then, the **Bluetooth Serial Port Connecting...** screen shall be displayed. Then, a series of three small Bluetooth logos shall be displayed.

Step 7: The M40 Express Setup screen shall be displayed. At the top of the screen, the Bluetooth icon and + sign shall indicate a connection. The green LED on the dongle shall illuminate steady indicating that it has a connection with the handheld device. At this point all functions are available and operate the same as when the cable is used. When the wireless link is connected and the green LED on the unit illuminates steady the power remains on and does not time out.

4.5 Pairing the HTC Touch Pro 2 with a Serialio Bluetooth Dongle

Step 1: Starting at the Home screen, TAP the Windows logo at the top left of the screen. The Windows home screen shall be displayed.

Step 2: TAP the Settings logo. The Settings screen shall be displayed.

Step 3: TAP the Wireless controls selection. The Wireless controls screen shall be displayed.

Step 4: TAP the Bluetooth switch on the right. The Bluetooth shall turn on. TAP the Bluetooth logo on the left. The Bluetooth Settings screen shall be displayed.
Step 5: Turn on the power of the Bluetooth dongle. TAP the first tab on the left. TAP the **Add a device** selection. The Device Selection screen shall be displayed.

Step 6: TAP the Bluetooth dongle selection. (Use the window scroll bar if necessary.) The Passkey screen shall be displayed.

**NOTE:** The Bluetooth dongle will show in the list as **StanleyBT-####**, where #### is the last four digits on the Bluetooth device label. (Note: This is a hexadecimal string and may contain 0-9 and A-F.) Also, be sure the power is turned on and it is in range.

Step 7: On the Passkey screen ENTER **1234**, and TAP **OK** at the bottom left of the screen.

Step 8: TAP **Done** at the bottom left of the screen.
Step 9: TAP **Continue** at the bottom left of the screen.

Step 10: TAP the **SPP** selection below the Bluetooth dongle listed. The system shall test the connection and display the connection status.

Step 11: OBSERVE the connection status at the bottom of the screen. The green LED on the dongle shall illuminate steady indicating that it is connected to the device.

Step 12: TAP the **Disconnect** selection at the bottom left of the screen.
<table>
<thead>
<tr>
<th>Step 13</th>
<th>TAP the Windows logo at the top left of the screen. The Windows home screen shall be displayed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step 14</td>
<td>TAP the <strong>Home</strong> logo. The Home screen shall be displayed.</td>
</tr>
<tr>
<td>Step 15</td>
<td>You are now ready to use the Bluetooth dongle to connect to the MC521 and StanVision VSC controllers using the Stanley Windows Mobile applications.</td>
</tr>
</tbody>
</table>
4.6  Pairing a Motorola ES400 with a Serialio Bluetooth Dongle

**Step 1:** Starting at the Home screen, TAP the Windows logo at the bottom left of the screen. The Windows home screen shall be displayed.

**Step 2:** TAP the Settings logo. The Settings screen shall be displayed.

**Step 3:** TAP the Bluetooth logo. The Devices screen shall be displayed.

**Step 4:** On the Bluetooth dongle, SET the power to on. On the Bluetooth Devices tab, TAP the **Add new device**. The Device Selection screen shall be displayed.
Step 5: TAP the Bluetooth dongle selection. (Use the window scroll bar if necessary.) TAP Next at the bottom right of the screen. The Passkey screen shall be displayed.

NOTE: The Bluetooth dongle will show in the list as StanleyBT-####, where #### is the last four digits on the Bluetooth device label. (Note: This is a hexadecimal string and may contain 0-9 and A-F.) Also, be sure the power is turned on and it is in range.

Step 6: On the Passkey page, ENTER 1234, and TAP Next at the bottom right of the screen. The Device Added indication shall be displayed.

Step 7: TAP Done at the bottom left of the screen.

Step 8: TAP the COM Ports tab at the top left of the screen.
Step 9: TAP the New Outgoing Port selection.

Step 10: TAP Finish at the bottom right of the screen.

Step 11: TAP OK at the bottom right of the screen. The Settings screen shall be displayed.

Step 12: Tap X at the bottom right of the screen. The Home screen shall be displayed.
Step 13: You are now ready to use the Bluetooth dongle to connect to the MC521 and StanVision VSC controllers using the Stanley Windows Mobile applications.
4.7 Pairing an HP iPAQ 211 with a Serialio Bluetooth Dongle

**Step 1:** Starting at the Home screen, TAP the **iPAQ Wireless** icon on the top left of the screen. The iPAQ Wireless screen shall be displayed.

**Step 2:** TAP the **Status:** Off selection. The Status indication shall change to **ON**.

**Step 3:** TAP the **Bluetooth Connections** selection. The Devices screen shall be displayed.

**Step 4:** TAP the **New** selection at the bottom left of the screen. The Connection Wizard screen shall be displayed.
Step 5: On the Bluetooth dongle, SET the power to on.
On the connection Wizard screen, TAP the **Explore a Bluetooth device** selection.

Step 6: TAP the Bluetooth dongle selection. (Use the window scroll bar if necessary.) The **Retrieving services** prompt shall be displayed.

**NOTE:** The Bluetooth dongle will show in the list as **StanleyBT-####**, where #### is the last four digits on the Bluetooth device label. (Note: This is a hexadecimal string and may contain 0-9 and A-F.) Also, be sure the power is turned on and it is in range.

Step 7: After the service has been retrieved, OBSERVE that the SPP selection is displayed.

Step 8: TAP the SPP selection. Then TAP the **Next** selection at the bottom right of the screen. The **Shortcuts created** message shall be displayed.
Step 9: TAP the **Finish** selection at the bottom right of the screen.

Step 10: TAP and HOLD the StanleyBT-XXXX icon until the pop-up menu appears.

Step 11: TAP the **Connect** selection in the pop-up menu. The **Connecting...** prompt shall be displayed.

Step 12: OBSERVE that the **Connecting...** prompt and then the Bluetooth Authentication pop-up appears.
Step 13: ENTER the PIN code 1234, and TAP OK.

Step 14: OBSERVE that the connector icon shows green arrows, indicating that the connection is made. Also OBSERVE that the green LED on the dongle illuminates steady, indicating that it is connected to the device.

Step 15: TAP and HOLD the StanleyBT-XXXX icon selection until the pop-up menu appears, then TAP Disconnect.

Step 16: TAP the X icon at the top right of the screen or the OK button at the bottom of the device. The Start screen shall be displayed.
Step 17: You are now ready to use the Bluetooth dongle to connect to the MC521 and StanVision VSC controllers using the Stanley Windows Mobile applications.
Attachment 1
Documents, Definitions, Special Tools, Equipment, Materials, and Consumables
(Sheet 1 of 1)

Documents

Definitions
- Dongle: A small wireless device that plugs into the Stanley controllers. The dongle serves as a wireless connection to enable the use of the Stanley Palm operating system and Windows Mobile applications.
- LED: Light-emitting diode
- NiMH: Nickel-metal hydride battery
- VSC: Visual sensor controller

Special Tools and Equipment (including, but not limited to)
- None

Materials (including, but not limited to)
- None

Consumables (including, but not limited to)
- None