

Stanley Access Technologies  
**Quick-Reference Guide**



**Bluetooth Programming Adapter**  
**Installation Instructions**  
**Quick-Reference Guide**

**204063**

**Rev. A, 10/3/09**

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**Quick-Reference Guide**

TABLE OF CONTENTS

1. **PURPOSE**..... 1  
1.1 Discussion..... 1  
1.2 Applicability ..... 4  
2. **PREREQUISITES** ..... 4  
3. **PRECAUTIONS**..... 4  
4. **INSTRUCTIONS** ..... 5  
4.1 Removing, Installing, and Charging, and the Batteries ..... 5  
4.2 Powering the Bluetooth Programming Adapter On and Off ..... 5  
4.3 Pairing the Bluetooth Programming Adapter to the Handheld Device Using the MC521 Toolbox ..... 6  
4.4 Pairing the Bluetooth Programming Adapter to the Handheld Device Using the M40 Express Setup ..... 7

Attachments

Attachment 1, Documents, Definitions, Special Tools, Equipment, Materials, and Consumables ..... 9

1. **PURPOSE**

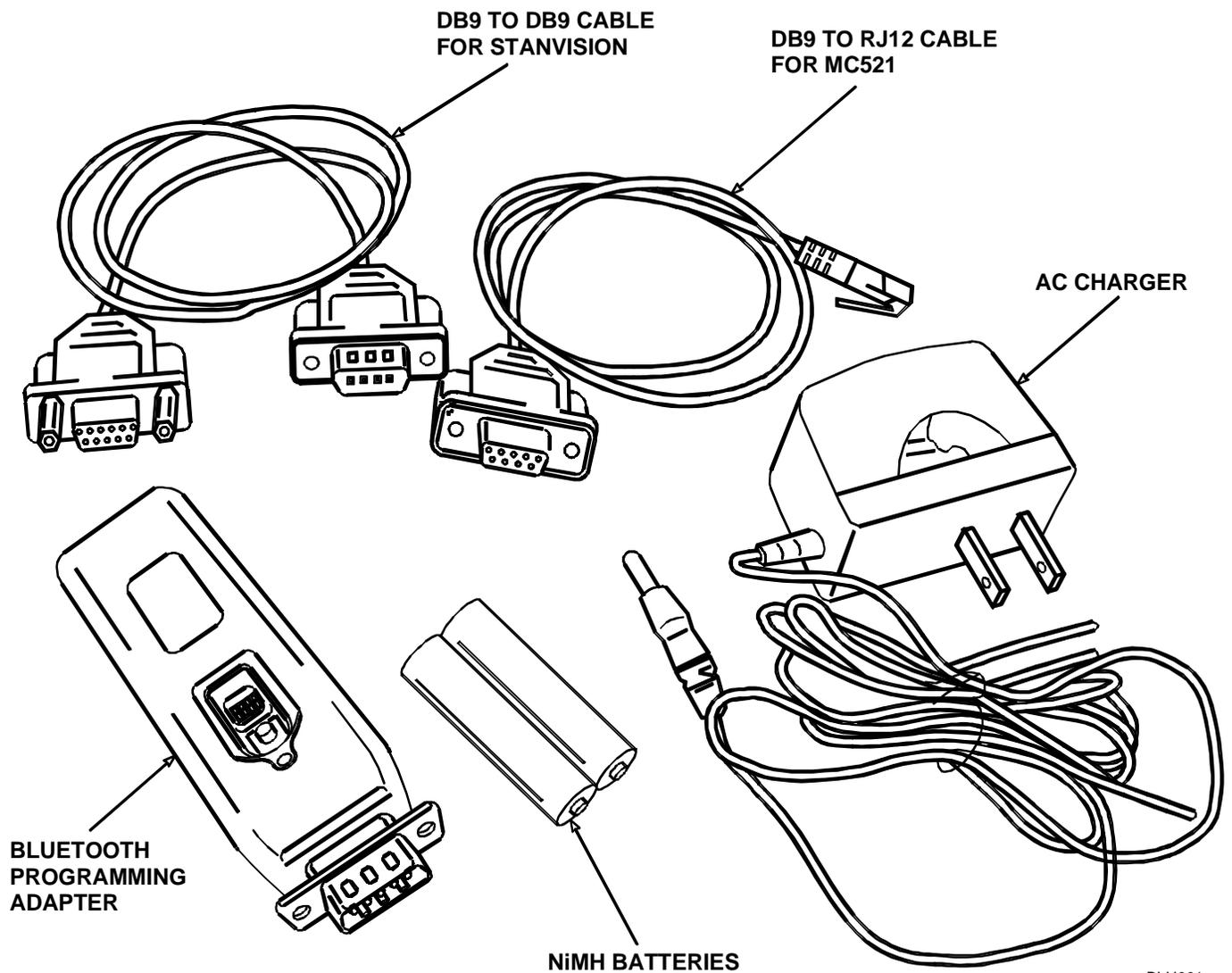
1.1 **Discussion**

This manual provides installation and configuration instructions for the Stanley Bluetooth Programming Adapter. 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 transmitter that plugs into a computing device such as a handheld Palm or Windows Mobile Device. It serves as a wireless adapter to enable the use of the Palm software.)

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.

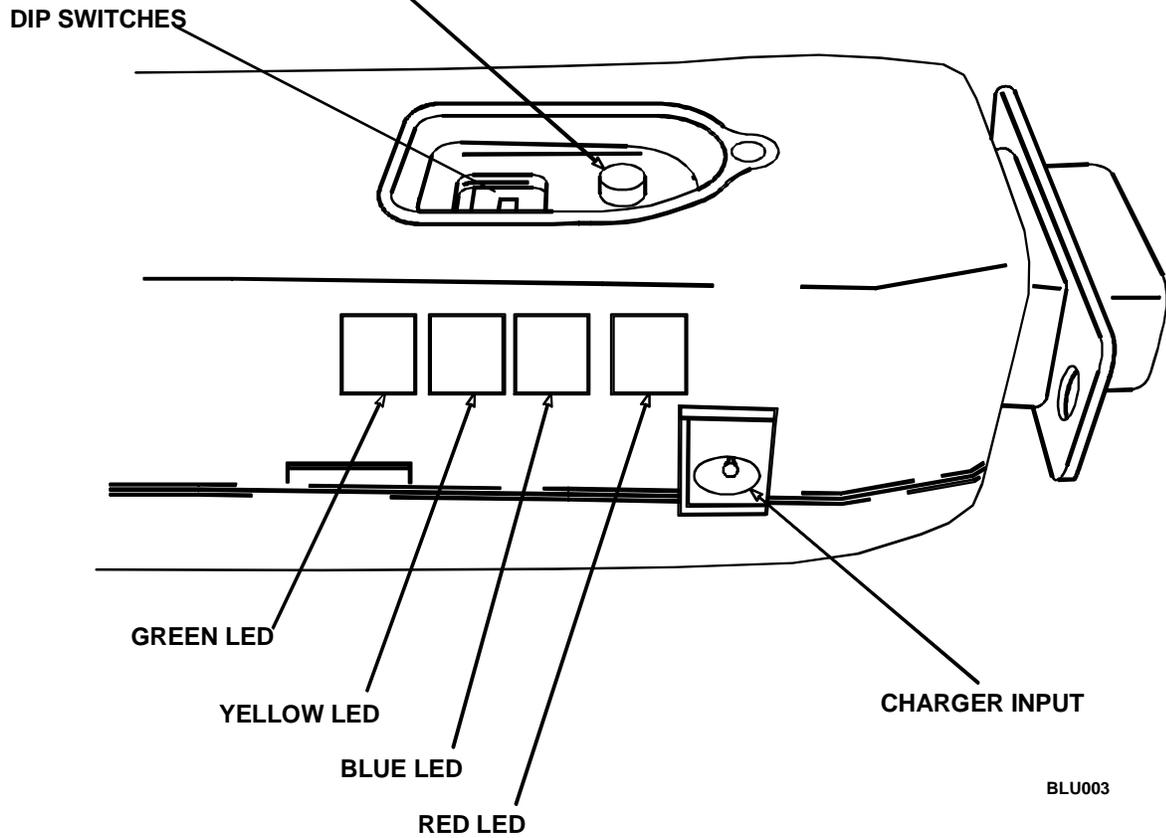
Figure 1 illustrates the Bluetooth Programming Adapter components. Figure 2 describes the controls and indicators.

**Figure 1. Bluetooth Programming Adapter Components**



BLU001

**Figure 2. Bluetooth Programming Adapter Controls and Indicators**



BLU003

Control/Indicator	Function
Red Power Button	<p>Controls power to the Bluetooth Programming Adapter.</p> <p>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.</p> <p>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.</p>
Green LED	<p>Indicates wireless connection status. Flashes two times per second when in standby. (Power will time out when in standby for more than three minutes.)</p> <p>Illuminates steady when connected.</p>
Yellow LED	<p>Indicates data transfer status. Blinks while data is transferring.</p>
Blue LED	<p>Indicates battery life status. Flashes once every two seconds when battery is low.</p>
Red LED	<p>Charge indicator. Turns on when batteries are charging.</p>
Charger Input Socket	<p>Allows connection of AC charger.</p>

204063  
 Rev. A, 10/3/09  
 3 of 9

## 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 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 the Handheld Device Using the MC521 Toolbox

### NOTE

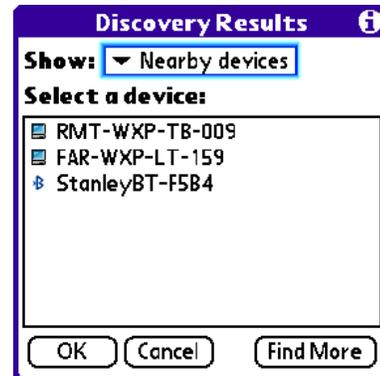
It sometimes takes more than one press to activate the Bluetooth selections.

**Step 1:** Using the MC521 cable, connect the DB9F connector to the Bluetooth Programming Adapter.

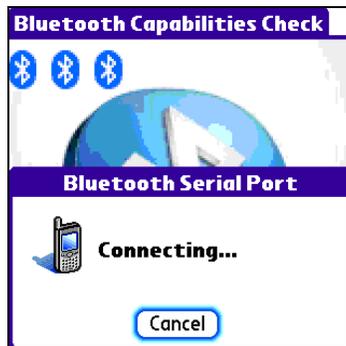
**Step 2:** CONNECT the RJ11M connector to Com1 of the MC521 controller and make sure that the cable and Bluetooth Programming Adapter are *not* in the path of any moving door parts.



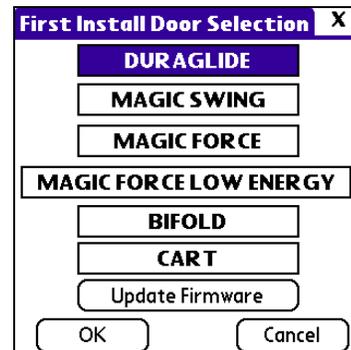
**Step 3:** Turn on power to the Bluetooth Programming Adapter. Run the MC521 Toolbox application. Select the **Bluetooth** button. The **Bluetooth Discovery Results** screen shall be displayed.



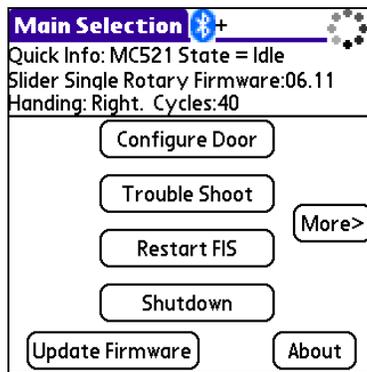
**Step 4:** On the **Bluetooth Discovery Results** screen, select **Nearby Devices** from the **Show** dropdown list. The Bluetooth dongle shall be listed as StanleyBT-XXXX, where XXXX are the last four digits of the serial number on the unit label. Select the Bluetooth option and click **OK**.



**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.

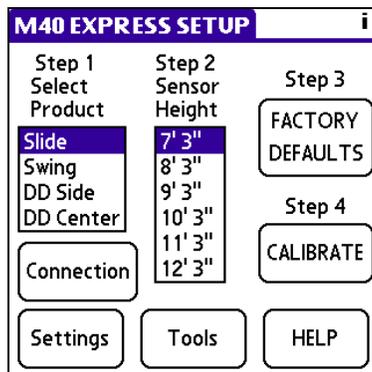
**Step 8:** Refer to one of the following as applicable and tune-in door:

- Stanley Access Technologies document No. 204003, “MC521 Controller Installation and Operation Manual”
- Stanley Access Technologies document No. 204027, “Magic-Swing™, Magic-Force™, and Bifold MC521 Control Box Quick-Reference Guide

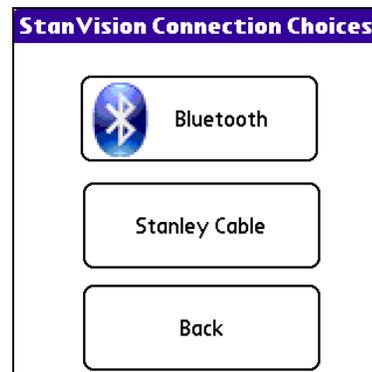
#### 4.4 Pairing the Bluetooth Programming Adapter to the Handheld Device Using the M40 Express Setup

**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.



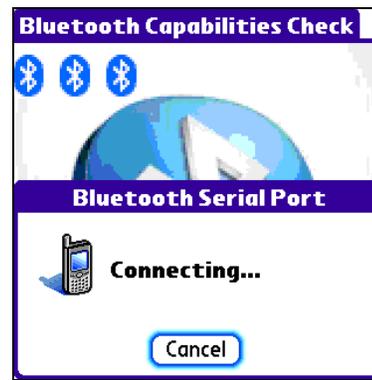
**Step 3:** Turn on power to the Bluetooth dongle. Click on the M40 EXPRESS SETUP icon and run the M40 EXPRESS application. Select the **Connection** button. The **StanVision Connection Choices** screen shall be displayed.



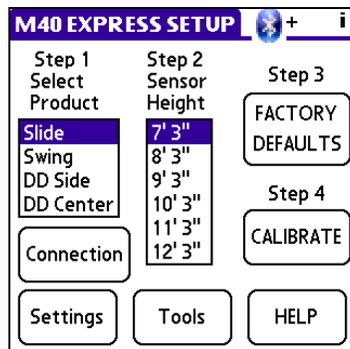
**Step 4:** On the **StanVision Connection Choices** screen, select the **Bluetooth** button. The Bluetooth **Discovery Results** screen shall be displayed.



**Step 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 option 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.

**Step 8:** Refer to Stanley Access Technologies document No. 203975, “StanVision Sensor Installation and Operating Instructions Quick-Reference Guide,” and tune-in door.

## Attachment 1

### Documents, Definitions, Special Tools, Equipment, Materials, and Consumables

(Sheet 1 of 1)

#### Documents

- Stanley Access Technologies document No. 204003, “MC521 Controller Installation and Operation Manual”
- Stanley Access Technologies document No. 204027, “Magic-Swing™, Magic-Force™, and Bifold MC521 Control Box Quick-Reference Guide”
- Stanley Access Technologies document No. 203975, “StanVision Sensor Installation and Operating Instructions Quick-Reference Guide”

#### Definitions

- Dongle: A small wireless transmitter that plugs into a computing device such as a handheld Palm or Windows Mobile Device. It serves as a wireless adapter to enable the use of certain software.
- 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