

# Quick Start Guide MS-Q Imager



**MICROSCAN**

P/N 83-210041 Rev N

## Step 1 — Check Required Hardware

**Important: It is recommended that battery-powered MS-Q Imagers be charged for 4 hours before first use.**

### To assemble the MS-Q Imager with Cabled Handle (H2):

1. Insert the flexible connector at the back of the H2 Handle into the MS-Q's 8-pin DIN connector.
2. Snap the Imager onto the H2 Handle over the battery blank. Be sure that the underside of the Imager is latched at the front of the handle.
3. Secure the flexible connector at the back of the H2 Handle with the two screws provided.
4. Secure the underside of the Imager to the H2 Handle with the two screws provided.
5. Attach the cable to the bottom of the handle. Secure the cable and cable clamp with the two screws provided.



**Note:** Detailed instructions for the MS-Q Imager's handle options are available in the *MS-Q Imager User's Manual*.

## Step 2 — Set Up Hardware (USB)

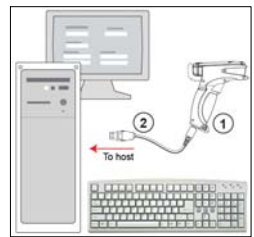
**Note:** The USB interface draws its power from the host.

### Hardware for USB

1	MS-Q Imager	FIS-6100-0030G,-0035G,-0046G FIS-6150-0020G
2	USB Cable	Included

### Installation Steps for USB

1. Connect the USB cable (2) to the MS-Q (1).
2. Connect the USB cable (2) to the host. You **do not** need to power off your host computer.
3. Open any program in your host computer that can receive keyboard text.
4. Read the **USB Keyboard** symbol below.
5. Read the **Save Settings** symbol below.



USB Hardware



**USB Keyboard Mode**



**Save Settings**



**Test Symbol**  
(ABCDEFGHIJKLMNOP)

## Step 2 — Set Up Hardware (PS/2)

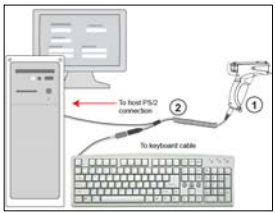
**Note:** The PS/2 interface draws its power from the host.

### Hardware for PS/2

1	MS-Q Imager	FIS-6100-0040G, -0041G FIS-6150-0025G
2	Keyboard Wedge Cable	60-000018-03

### Installation Steps for PS/2

1. Power-off the host and disconnect the keyboard.
2. Connect the PS/2 cable (2) to the MS-Q (1).
3. Attach the remaining connectors to the keyboard cable and host computer, as shown at right.
4. Power-on the host computer.
5. Read the **PS/2 Mode** and **Save Settings** symbols.



PS/2 Hardware



**PS/2 Mode**



**Save Settings**



**Test Symbol**  
(ABCDEFGHIJKLMNOP)

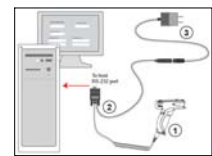
## Step 2 — Set Up Hardware (RS-232)

### Hardware for RS-232

1	MS-Q Imager	FIS-6100-XXXXG FIS-6150-XXXXG
RS-232 Kit includes:		98-000074-XX
2	RS-232 Cable	
3	Power Supply	

### Installation Steps for RS-232

1. Power-off the host.
2. Connect the 8-pin mini-DIN on the RS-232 cable (2) to the MS-Q (1).
3. Connect the 9-pin D-sub connector to your host computer's serial port.
4. Connect the RS-232 cable to the power supply cable.
5. Plug in the power supply (3) and power-on the host.
6. Open a terminal program (HyperTerminal, for example) and set **57.6K** baud rate, **8** data bits, **none** parity, **2** stop bits, **none** hardware.
7. Read the **RS-232 Default Settings Mode** symbol below.
8. Read the **Save Settings** symbol below.



RS-232 Hardware



**RS-232 Default Settings Mode**



**Save Settings**



**Test Symbol**  
(ABCDEFGHIJKLMNOP)

## Step 2 — Set Up Hardware (Bluetooth)

### Hardware for Bluetooth

1	MS-Q Imager	FIS-6100-XXXXG FIS-6150-XXXXG
2	USB Bluetooth Modem (Default option)	98-000076-10
3	USB Cable	Included with kit
<b>Note:</b> RS-232 options also available		98-000076-07, -08, -09

### Installation Steps for Bluetooth

1. Power-off the host.
2. Connect the 8-pin mini-DIN on the Bluetooth modem (2).
3. Connect the 9-pin D-sub connector (3) to your host computer's serial port.
4. Connect the RS-232 cable to the power supply cable (4).
5. Plug in the power supply (4) and power-on the host.
6. Open a terminal program (HyperTerminal, for example) and set to **9600** baud rate, **8** data bits, **none** parity, **1** stop bit, **none** hardware.
7. Read the **RF Two-Way Mode** symbol below.
8. Read the symbol on the Bluetooth modem's top label (2).
9. Read the **Save Settings** symbol below.



Bluetooth Hardware



**RF Two-Way Mode**



**Save Settings**



**Test Symbol**  
(ABCDEFGHIJKLMNOP)

## Step 2 — Set Up Hardware (Batch/Battery)

### Hardware for Batch/Battery

1	MS-Q Imager	FIS-6100-0031G, -0032G, -0036G, -0037G FIS-6150-0021G, -0022G
2	Battery	Included

### Installation Steps for Batch/Battery

1. Insert the tab on the back of the BH1 or BH2 Handle into the Imager's recessed slot at the base of the battery bay.
2. Snap the Imager onto the BH1 or BH2 Handle over the battery. Be sure that the underside of the Imager is latched at the front of the handle.
3. Secure the underside of the Imager to the BH1 or BH2 Handle with the two screws provided.
4. Select one of the **Batch Setup** modes - **Send and Log**, or **Send and Buffer**.
5. Read symbols as required.
6. Save settings.
7. When convenient, or when the buffer is full, open any Windows-compatible program that can accept keyboard text (for USB and PS/2) or serial data (for RS-232 and Bluetooth).
8. Attach a cable or connect to Bluetooth to download buffered data.



## Step 2 — Set Up Hardware (Batch/Battery, cont.)

### Batch Setup - Send and Log Mode

In **Send and Log Mode**, whenever you connect, all buffered data will be downloaded to the host but retained in the Imager's memory.



Send and Log Mode

### Batch Setup - Send and Buffer Mode

In **Send and Buffer Mode**, whenever you connect, all buffered data will be downloaded to the host and **ERASED** in the Imager's memory.



Send and Buffer Mode



Save Settings



Test Symbol  
(ABCDEFGHIJKLMNQP)

## Step 3 — Install ESP

(ESP stands for *Easy Setup Program*.)

With your Imager connected to a host computer (Windows Vista, XP, or 2000), you can use **ESP** for configuration and control.

### Installing ESP from a Microscan Tools CD

1. Insert the Microscan Tools CD in your computer's CD drive.
2. Choose **ESP Software** from the main menu.
3. Select the **Current Version** of ESP Software and follow the file download prompts.

### Downloading ESP from the Web

1. Go to <http://www.microscan.com/downloadcenter>
2. Create a new "myMicroscan" member account or, if you are already a member, enter your user name and password.
3. Click the **Download Software** link and extract the latest version of **ESP** to a directory of your choice. *Note where your ESP.exe file is stored on your hard drive.*
4. At the end of the installation process, the following icon will appear on your desktop:



5. Click the **ESP** icon to start the program.

**Important:** The Imager must be in USB or RS-232 Mode to connect to **ESP**. Read the symbol below that corresponds with your communication interface.



USB Mode



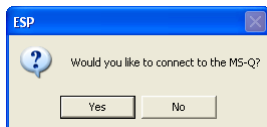
RS-232 Mode

## Step 4 — Select Model

When you start **ESP**, the following menu will appear:



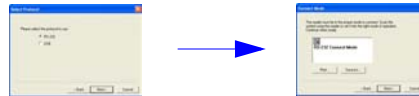
1. Click the **MS-Q** button and then click **OK**. If you do not want to make this selection every time you start **ESP**, uncheck "Show this dialog at startup".
2. Select the default reader name (**MS-Q-1**), or type a name of your choice in the **Description** text field and click **OK**.
3. Click **Yes** when this dialog appears:



## Step 5 — Select Protocol

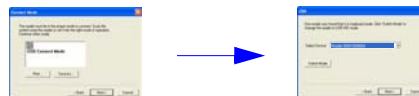
In the **Select Protocol** dialog box, select the communications protocol you are using and click **Next**.

### RS-232



Print the **RS-232 Mode** symbol and read it with the Imager to ensure that you are in the correct communications mode. Keep the printed symbol in a convenient place for future use. Click **Next** when you are finished.

### USB



1. Print the **USB Mode** symbol and read it with the Imager to ensure that you are in the correct communications mode. Keep the printed symbol in a convenient place for future use. Click **Next** when you are finished.
2. This will bring up the **USB Reader ID** dialog. You will see a reader ID in the **Select Device** field. Click **Next**.

**Note:** If the Imager is in the default **USB Keyboard Mode** when you attempt to connect, the **USB Reader ID** dialog will tell you to click the **Switch Mode** button. **ESP** will attempt to switch the Imager to **USB HID Mode**. Once the Imager has switched modes, click **Next**.

## Step 6 — Connect and Configure the Imager

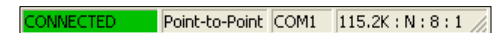
### RS-232

Click **Next** in the **Connect Mode** dialog (**Step 5**) to bring up the **Com Port** dialog, shown below.



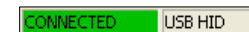
1. Select the communications port you are using. If you don't see your com port listed on the dropdown menu, select **Other**.
2. Click **Connect**.

When you are connected successfully, the **CONNECTED** message will appear in a green box in the status bar at the bottom right of the screen.



### USB

Click **Next** in the **USB Reader ID** dialog (**Step 5**) to connect the Imager to **ESP**. When you are connected successfully, the **CONNECTED** message will appear in a green box in the status bar at the bottom right of the screen.



You are now ready to configure the Imager using **ESP**.