Quick Start Guide

HS-51/HS-51X Wireless Handheld Reader

MICROSCAN

P/N 83-110005 Rev A

Step 1 — Check Hardware

All required hardware for default configuration is included with the reader and does not need to be purchased separately. This includes a battery, a charging base with embedded Bluetooth modem, and a 3-foot USB cable.

- HS-51 Wireless Handheld 2D Reader or HS-51X Wireless Handheld DPM Reader

- Charging Station with Embedded Modem*

*Charging Station without Embedded Modem available as an accessory.

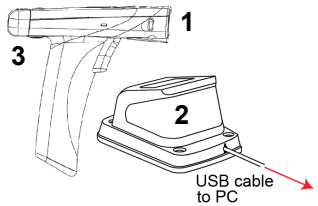
- USB Cable

- Lithium Ion Battery

Step 2 — Configure Hardware

1	HS-51 Wireless 2D Handheld Reader	FIS-HS51-0001G
	HS-51X Wireless DPM Handheld Reader	FIS-HS51X-0002G
2	Charging Station with Embedded Modem Kit	
3	Lithium Ion Battery	

- Connect the **Charging Station/Modem** to the PC via the **USB Cable**.
- Place the **Battery** in the reader.
- Charge the reader until the battery LEDs show a 100% charge.
- Power-on the reader.
- Decode the **Quick Connect Code** on the Charging Station to establish Bluetooth communication.
- Configure the reader for your application in **ESP** before use.
- **Save Settings** using ESP when reader configuration is complete.



Test Symbol
(ABCDEFGHIJKLMNOP)

Step 3 — Install ESP

ESP Software is Microscan's configuration and testing software. Use ESP to set up your HS-51 Wireless Handheld 2D Reader or HS-51X Wireless Handheld DPM Reader.

ESP can be found on the Microscan Tools Drive that is packaged with the reader.

1. Follow the prompts to install ESP from the Tools Drive.
2. Click on the ESP icon to run the program.

Note: ESP can also be installed from the **Download Center** at www.microscan.com.

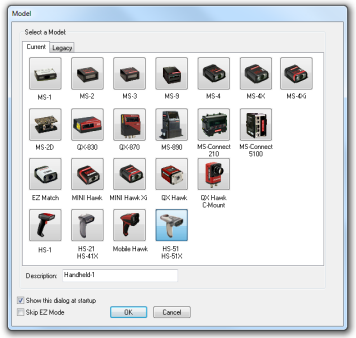
Important: If you intend to use the reader's Bluetooth functionality, click the **Install the Microscan Bluetooth Driver** check box during installation.

Minimum System Requirements

- 233 MHz Pentium PC
- Windows 8, 7, Vista, or XP operating system (32-bit or 64-bit)
- Internet Explorer 6.0 or higher
- 128 MB RAM or greater
- 160 MB free disk space
- 800 x 600 256 color display (1024 x 768 32-bit color recommended)

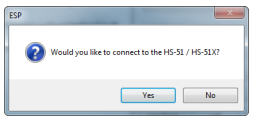
Step 4 — Select Model

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



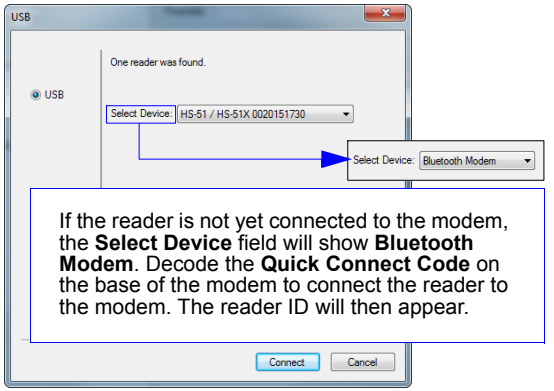
1. Click the HS-51/HS-51X Wireless button and then click **OK**. If you do not want to make this selection every time you start **ESP**, uncheck **Show this dialog at startup**. If you need to select another model later, click **Switch Model** at the top of the screen.

   Note: You can also type a name of your choice in the **Description** text field and click **OK**.
2. Click **Yes** when this dialog appears:

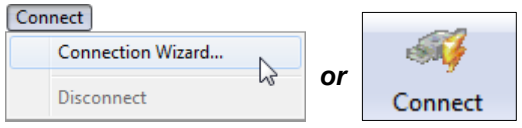


Step 5 — Connect to the Reader

- The **USB** dialog will appear. If the reader and modem are connected, you will see the reader's device ID in the **Select Device** field. The reader ID number should match the serial number printed on the reader's ID label. Click **Connect**.



Note: You can also select **Connection Wizard** from the **Connect** dropdown menu or click the **Connect** button to access the USB dialog.



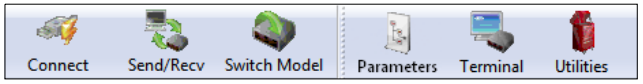
Step 6 — Verify Connection

Once you have clicked **Connect** in the **USB** dialog, 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 your reader using **ESP**.

Step 7 — Configure the Reader

The following modes are accessible by clicking the buttons in the first row of **App Mode** icons:



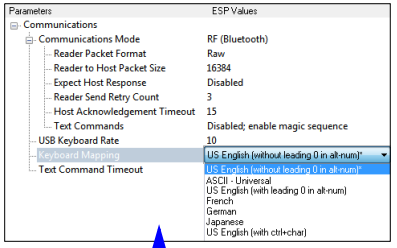
- Click the **Connect** button to establish communication.
- Click the **Send/Recv** button to send or receive commands.
- Click the **Switch Model** button to open the model menu.
- Click the **Parameters** button to show the tabbed tree controls for Communication, Read Cycle, Symbologies, and I/O Parameters.
- Click the **Terminal** button to display decoded symbol data and to send serial commands to the reader using text or macros.
- Click the **Utilities** button to show the tabbed interfaces for Differences from Default, Firmware, Bluetooth, and Advanced settings.

For further details, see **ESP Help** in the dropdown Help menu or refer to the *HS-51/HS-51X Wireless Handheld Reader User Manual*.

Step 8 — Save Changes in ESP

To make changes to a configuration setting:

1. **Left-click** on the **+** to expand the desired tree.
2. **Double-click** on the desired parameter and click once in the selection box to view options.
3. Place your cursor in the selection box, scroll down to the setting you want to change, and **click** once on the setting.
4. **Left-click** on the open screen to complete your selection.



5. **Right-click** on the open screen and select **Save to Reader** to implement the command in the reader.

- **Send, No Save**. Changes will be lost when power is re-applied to the reader.
- **Send and Save**. This activates all changes in current memory *and* saves to the reader for power-on.