



# **Mini DB Development Kit**

Board to Board Interface

## **Quick Start Guide**



MDBDK-BB-EN-QS-01 Rev B  
08/16

## ***What is the Mini DB Development Kit?***

The Mini Decode Board Development Kit is a design tool for the N660X/N560X 2D Imager and Mini DB. You can verify the operation of the imager and connect it to your host PC to configure it.

### ***Development Kit Contents***

- Board to Board Development Board including:
  - Mini Decode Board (mounted)
  - Flex cable Mini DB to scan engine (mounted)
- Screws to mount the scan engine on the development board
- RS-232 cable
- Standard USB-A to USB-B cable
- This Quick Start Guide

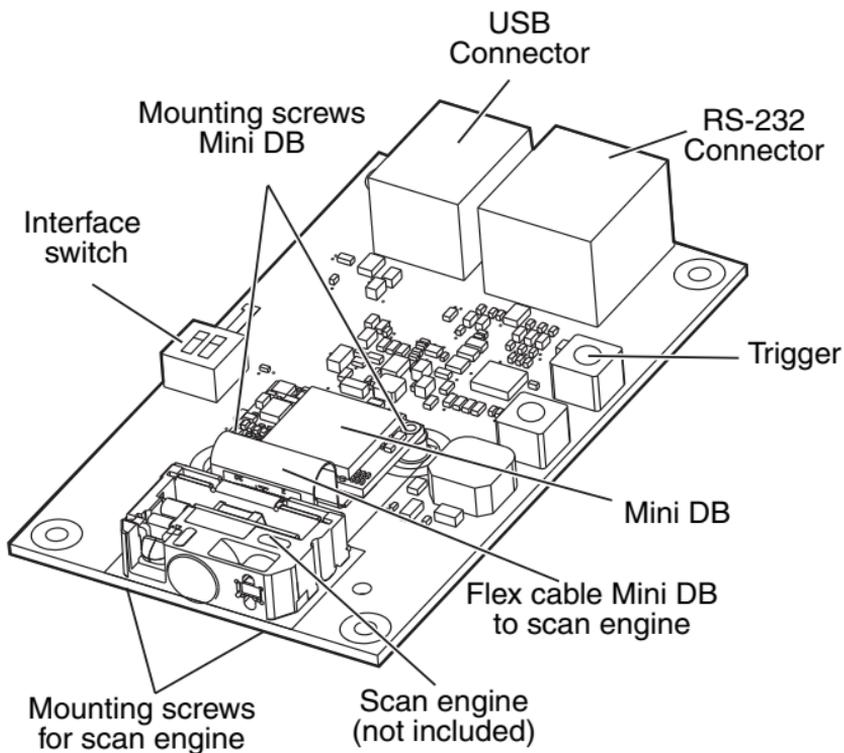
### ***Required Accessories***

- N66XX/N56XX scan engine (ordered separately)
- Honeywell power supply (for RS-232 cable only)

### ***Additional Documentation***

*User's Guide* for your scan engine (contact your local Honeywell OEM representative).

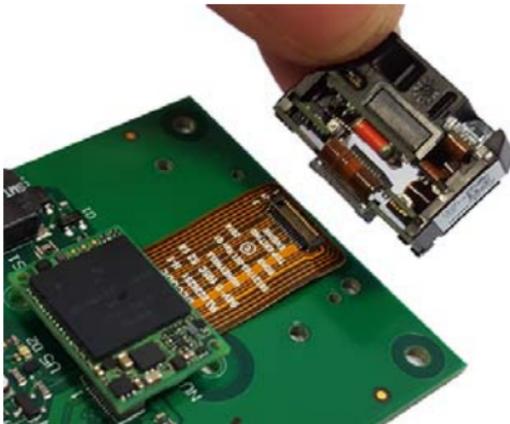
# About the Development Board



## ***Mounting the Scan Engine***

*Note: Be sure to disconnect the interface cable before mounting or unmounting the imager. The imager cannot be hot plugged.*

1. Connect the end of the flex cable marked “TOP EXITING ENGINE” to the scan engine. Press the connectors together until they click.



*Note: Be sure the scan engine is right side up, the mounting holes should be facing the development board.*

2. Gently bend the ribbon cable to align the scan engine mounting holes with the holes on the demo board. Use 2 screws to secure the scan engine.



## ***USB Serial Interface***

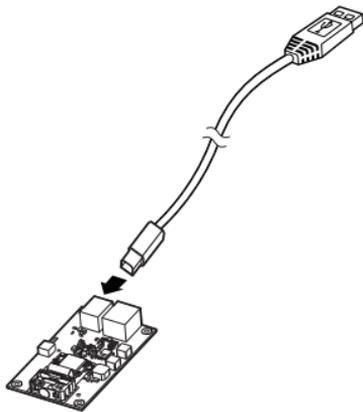
For USB serial interface you must install the USB driver before connecting your scan engine. Contact your local Honeywell OEM representative to get the latest USB driver.

*Note: If you have an old USB driver installed, you must uninstall it (see the **Troubleshooting** section).*

1. Set the switch on the interface board as shown below.



2. Connect the USB interface cable (standard USB-A to USB-B cable) to the interface board and to a USB port on the computer. The engine powers-up and emits a series of beeps from low to high.

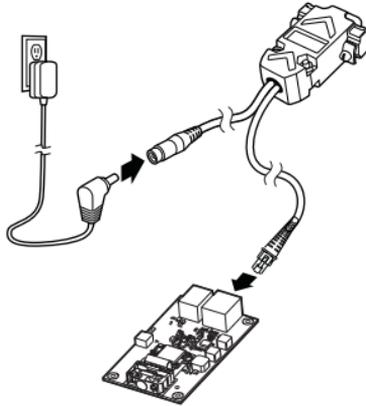


*Note: The host automatically selects the USB speed*

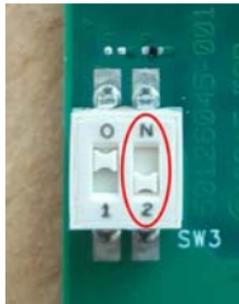
3. Verify the scan engine operation by scanning a bar code. The scan engine beeps once when a bar code is successfully decoded. If you want to see the scanned data, use the EZConfig Scanner tool.

# ***RS-232 Serial Port Interface***

1. Connect the serial interface cable to the interface board and to the computer.



2. Set the switch on the interface board as shown below.



3. Connect the power supply connector to the serial interface cable. Plug in the power supply. The engine powers-up and emits a series of beeps from low to high.

4. Scan the RS-232 interface bar code below. This programs the scan engine for an RS-232 interface at 115,200 baud, parity–none, 8 data bits, and 1 stop bit.



TERMID0;232BAD9;232WRD2

5. Verify the scan engine operation by scanning a bar code. The scan engine beeps once when a bar code is successfully decoded. If you want to see the scanned data, use the EZConfig Scanner tool.

# Configuration

You can configure your scan engine two ways:

- Reading configuration bar codes
- Using EZConfig-Scanning tool

## Configuration Bar Codes

Scan configuration bar codes to set up your imager. All available configuration bar codes are available in the *User's Guide* for your scan engine. Contact your local Honeywell OEM representative for more information.

## EZConfig-Scanning Tool

Use the EZConfig-Scanning tool to configure your scan engine online. To download EZConfig-Scanning:

1. Access the Honeywell web site at [www.honeywellaidc.com](http://www.honeywellaidc.com)
2. Click on the **Products** tab. Under **Software**, select **Device Management**.
3. Click on **EZConfig-Device Configuration Software**.
4. Click on the **Software** tab. Select **EZConfig Cloud For Scanning** (online version, must register for access) or **EZConfig for Scanning** (to install on your PC).

To install EZ-Config on your PC, launch the Setup.exe file and follow the screen prompts.

*Note: EZConfig-Scanning requires .NET software. If .NET is not installed on your PC, you will be prompted to install it during the EZConfig-Scanning installation.*

## ***Basic Setup***

Here are some basic configuration bar codes that may be useful for testing. For more setup options see the *User's Guide* for your scan engine.

*Note: The \* symbol indicates the default value.*

### ***Interface***

#### **USB Serial \***



TERMID130.

#### **USB PC Keyboard**



TERMID124.

## ***Keyboard Country Layout***

The default keyboard is United States. For more countries see the *User's Guide* for your scan engine.

### **French**



KBDCTY3.

### **German**



KBDCTY4.

### **Italian**



KBDCTY5.

## ***Trigger Modes***

*Note: It is recommended to scan the Reset Factory Defaults configuration bar code before changing Trigger Mods.*

### **Manual Trigger \***



TRGMOD0.

### **Presentation Mode**



TRGMOD3.

### **Cell Phone Reading Mode**



PAPHHC.

## ***All Symbologies***

**All Symbologies On**



ALLENA1.

**All Symbologies Off**



ALLENA0.

## ***Reset Factory Defaults***

The following bar code resets factory defaults.



DEFAULT.

# Troubleshooting

Problem	Solution
Scan engine is powered and decoding but not transmitting data to the host.	<ul style="list-style-type: none"><li>• Check that you are using the correct interface cable and that the switch is set correctly for your interface.</li></ul>
Push the trigger and nothing happens.	<ul style="list-style-type: none"><li>• Be sure you are pressing the correct button.</li><li>• Be sure the scan engine is powered</li></ul> <p><i>Note: If using an RS232 cable, be sure you have connected the external power supply to the RS232 cable.</i></p>
Cannot install the driver for USB serial interface.	<ul style="list-style-type: none"><li>• Be sure that you have administrator rights on the PC. Try installing again.</li><li>• Change the USB mode to USB PC Keyboard by reading the configuration bar code in the <b>Basic Setup</b> section of this document.</li></ul> <p>By default the keyboard is set to United States. If you need a different keyboard scan the corresponding bar code or see the <i>User's Guide</i> for more countries.</p>

Problem	Solution
Need to manually uninstall the USB serial driver.	<p data-bbox="464 181 948 243">To manually uninstall the USB serial driver:</p> <ol data-bbox="464 256 948 480" style="list-style-type: none"><li data-bbox="464 256 948 342">1. Open the <b>Control Panel</b> on your PC, then chose <b>Programs and Features</b>.</li><li data-bbox="464 368 948 427">2. Select the driver in the list of programs.</li><li data-bbox="464 454 948 480">3. Then click <b>Uninstall</b>.</li></ol>

## ***Technical Assistance***

Contact information for technical support, product service, and repair can be found at [www.honeywellaidc.com](http://www.honeywellaidc.com).

## ***Limited Warranty***

For warranty information, go to [www.honeywellaidc.com](http://www.honeywellaidc.com) and click **Get Resources > Product Warranty**.

## ***Patents***

For patent information, please refer to [www.hsmpats.com](http://www.hsmpats.com).

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