



Mini DB Development Kit

Board to ZIF Interface

Quick Start Guide



MDBDK-BZ-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 decoded out engine. You can verify the operation of the imager and connect it to your host PC to configure it.

Development Kit Contents

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

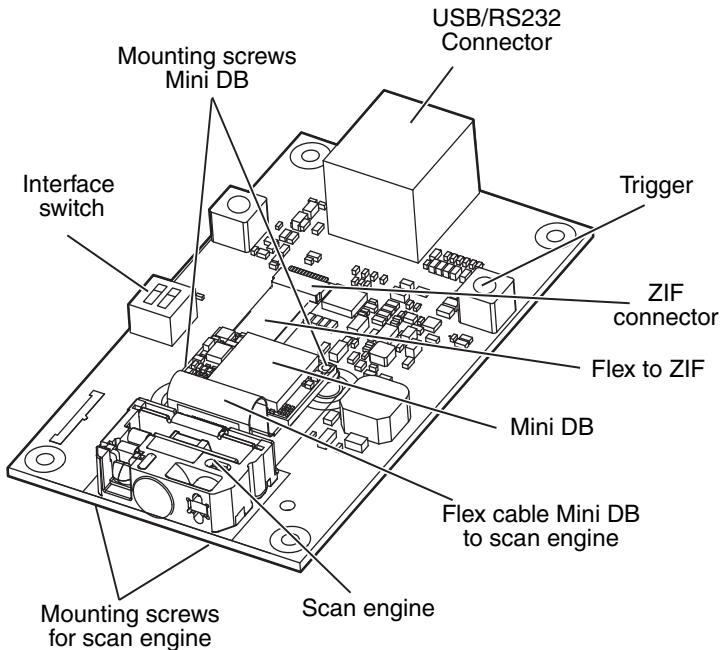
Required Accessories

- 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).

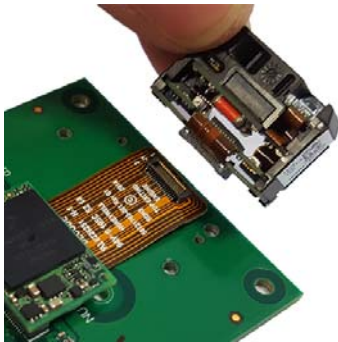
About the Development Board



Mounting the Scan Engine

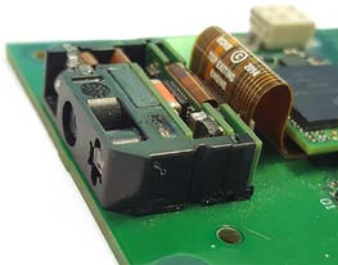
Note: Be sure to disconnect the interface cable before mounting or unmounting the imager. The imager cannot be hot plugged.

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



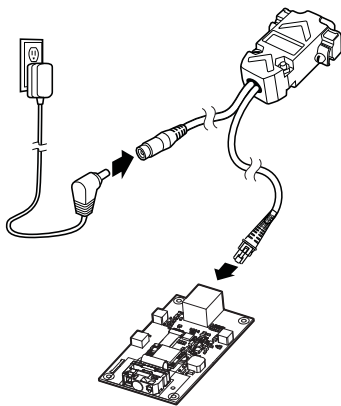
Note: Be sure the scan engine is right side up, the mounting holes should be facing the development board.

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



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.

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. Remove the interface cable and unmount the scan engine.
2. Unmount the Mini DB.



3. Disconnect the Mini DB from the flex to ZIF cable.



4. Open the ZIF connector by lifting the white clip upwards with your fingernail or small pointed object. Gently pull the flex cable out.



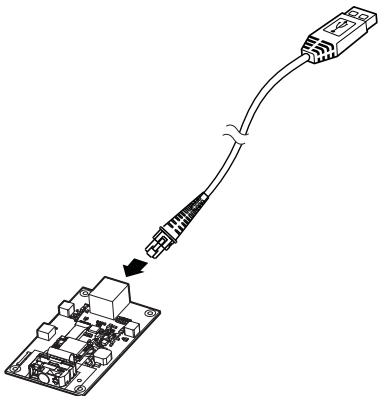
5. Replace the RS232 flex to ZIF cable with the USB flex to ZIF cable provided in the box and close the ZIF connector.

Note: The flex cables are marked USB or Serial UART.

6. Connect the Mini DB to the flex cable.
7. Gently bend the flex to ZIF cable to mount the Mini DB (see previous pictures). Secure with screws.
8. Mount the scan engine as shown above.
9. Set the switch on the interface board as shown below.



10. Connect the USB interface 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. High speed USB mode is not recommended when using the Borad to ZIF configuration due to signal integrity.

11. 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.

Note: If you want to revert back to RS-232 serial interface, you must change the flex to ZIF cable and make sure the switch is in the correct position.

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 menu commands 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 and install EZConfig-Scanning:

1. Access the Honeywell web site at 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, follow the next steps).

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 menu 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



ALLENAD.

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">• Check that you are using the correct interface cable and that the switch is set correctly for your interface.
Push the trigger and nothing happens.	<ul style="list-style-type: none">• Be sure you are pressing the correct button.• Be sure the scan engine is powered <p><i>Note: If using an RS232 cable, be sure you have connected the external power supply to the RS232 cable.</i></p>

Problem	Solution
Cannot install the driver for USB serial interface.	<ul style="list-style-type: none">• Be sure that you have administrator rights on the PC. Try installing again.• Change the USB mode to USB PC Keyboard by reading the configuration bar code in the Basic Setup section of this document. <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>
Need to manually uninstall the USB serial driver.	<p>To manually uninstall the USB serial driver:</p> <ol style="list-style-type: none">1. Open the Control Panel on your PC, then chose Programs and Features.2. Select the driver in the list of programs.3. Then click Uninstall.

Technical Assistance

Contact information for technical support, product service, and repair can be found at www.honeywellaidc.com.

Limited Warranty

For warranty information, go to www.honeywellaidc.com and click **Resources > Warranty**.

Patents

For patent information, please refer to www.hsmpats.com.

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