

# Quick Start Guide

## ID-03 Industrial Raster Scanner



P/N 83-110870 Rev E

### Step 2 — Connect the System

**Important:** When connecting Ultra-Lock cordsets to the ID-03 and VSID-IB-ES, align the pins first and then push the connector into place. Do not twist the connectors, as this will bend the pins.

**Important:** Do not attempt to power more than four scanners with a single power supply in a daisy chain configuration. Add a VSID-IB-ES and one power supply for every four additional scanners in the daisy chain.

#### RS-232

1. Connect the Serial Communication Cable from "A" on the ID-03 to "2" on the VSID-IB-ES.
2. Connect the host cable from "1" on the VSID-IB-ES to the host computer.
3. Connect the photo sensor to "T" on the VSID-IB-ES.
4. Connect the power supply to "3" on the VSID-IB-ES.
5. Plug in the power supply.

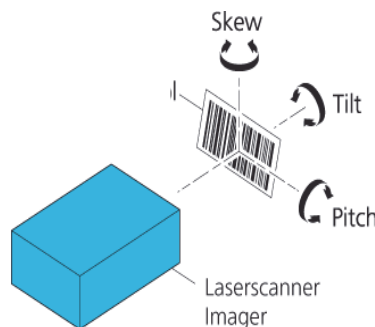
#### Ethernet

**Important:** Configure Ethernet-enabled readers off-line and then connect to network when ready for dynamic use.

1. Connect the Ethernet Cable from "B" on the ID-03 to the network.
2. Connect the power supply to "A" on the ID-03.
3. Plug in the power supply.

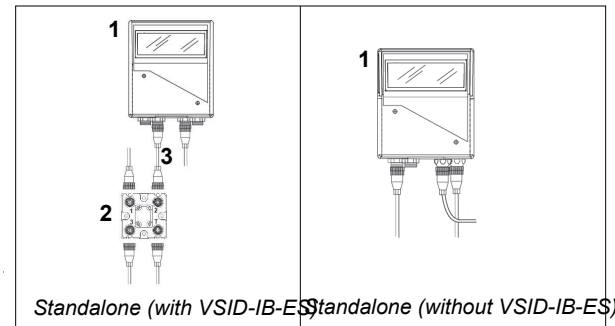
### Step 3 — Position Scanner

1. Place a test symbol in a location with as little ambient light as possible.
2. Position the scanner at the focal distance used in your application.
3. Align the test symbol with the scanner's field of view.
4. Tip the scanner relative to the test symbol to avoid glare from specular reflection.



**Maximum skew, tilt, and pitch:  $\pm 30^\circ$**

### Step 1 — Check Hardware



Hardware Required

**Caution:** Be sure that all connections are secure **BEFORE** applying power. Always power down **BEFORE** disconnecting any cables.

Item	Description	Part Number
1	ID-03 Industrial Raster Scanner	ID-03-LR-X-ES
2	Interface Device	VSID-IB-ES
3	QX Power Supply, M12 12-pin Socket, 1.3 m	VSID-PS-24V-ES

**Note:** Additional cordsets and accessories are available in the di-soric Product Pricing Catalog.

### Step 4 — Install di-soric ID

di-soric ID Software can be found on the di-soric Tools USB Stick that is packaged with the ID-03.

1. Follow the prompts to install di-soric ID from the USB Stick.
2. Click on the di-soric ID icon to run the program.

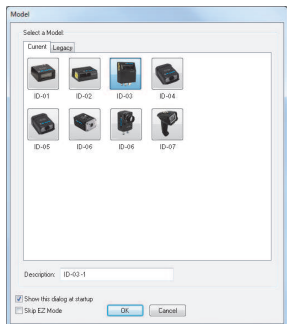


**Note:** di-soric ID can also be installed from the **Download Center** at [www.di-soric.com](http://www.di-soric.com).

Refer to the *ID-03 Industrial Raster Scanner User's Manual* for detailed information about using di-soric ID to configure the ID-03.

## Step 5 — Select Model

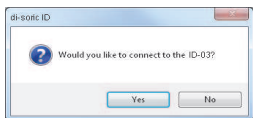
When you start di-soric ID, the model menu will appear:



1. Click the button showing the ID-03.
2. Click **OK**.

**Note:** You can also simply double-click the button showing your scanner to make your selection.

3. Click **Yes** when this dialog appears:



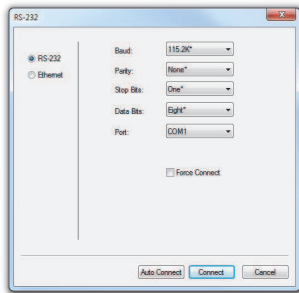
**Note:** If you need to select another model later, click the **Switch Model** button near the top of the screen or use **Model > New Model** in the menu toolbar.

## Step 6 — Connect

### RS-232

To connect using the Connection Wizard:

- Click **Connect** on the menu toolbar, and then select **Connection Wizard**.
- Select **RS-232**.
- Configure RS-232 settings as required by the application, and click **Connect**.



- When a connection is established, the green indicator in the status bar at the bottom right of the screen will be visible:

ID-03-1 ID-03 **CONNECTED** Point-to-Point COM1 115.2K : N : 8 : 1

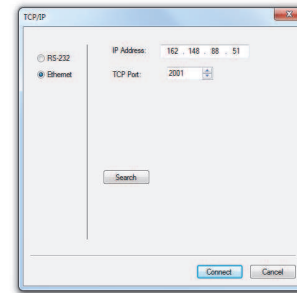
**Important:** The scanner is in **Continuous Read Mode** by default. For best connection results, be sure that no decodable symbols are within the scanner's field of view while attempting to connect.

## Step 6 — Connect (cont.)

### Ethernet TCP/IP

To connect using the Connection Wizard:

- Click **Connect** on the menu toolbar, and then select **Connection Wizard**.
- Select **Ethernet**.
- Configure Ethernet settings as required by the application, and click **Connect**.



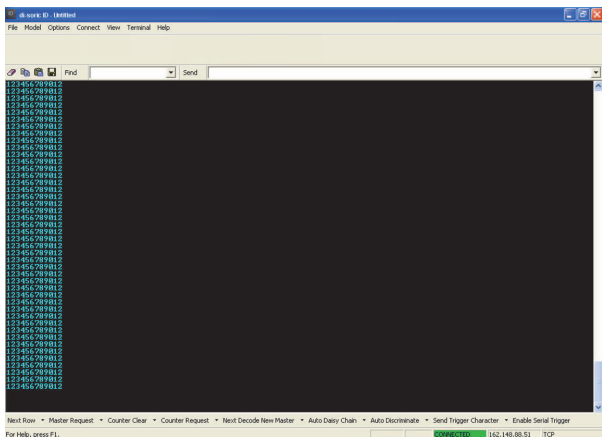
- When a connection is established, the green indicator in the status bar at the bottom right of the screen will be visible.

**Important:** The scanner is in **Continuous Read Mode** by default. For best connection results, be sure that no decodable symbols are within the scanner's field of view while attempting to connect.

## Step 6 — Connect (cont.)

### Ethernet TCP/IP (cont.)

When the ID-03 is connected, incoming symbol data can be displayed in the **Terminal**, as shown below.



## Step 7 — Test Read Rate

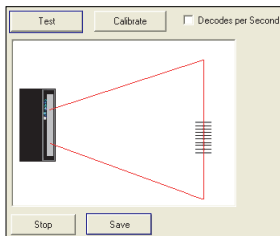
**Read Rate** indicates the number or percentage of successful decodes per second achieved by the scanner.

1. Click the **Test** button in di-soric ID's **EZ Mode** to start the Read Rate test.

Symbol data and read rate percentage information should appear in the **Symbol Information** table. The Read Rate LEDs on the side of the ID-03 will indicate the percentage of successful decodes per second.

2. Click **Stop** to end the Read Rate test.

**Note:** Read Rate can also be tested using the **Read Rate** interface in **Utilities**.



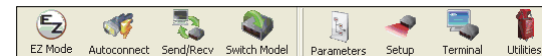
Refer to the *ID-03 Industrial Raster Scanner User's Manual* for information about how to test read rate using serial commands or the scanner's EZ button.

## Step 8 — Configure and Save

Click the **App Mode** button to make configuration changes to the scanner.



The following modes are accessible by clicking the buttons at the top of the screen:



- Click the **EZ Mode** button to return to EZ Mode.
- Click the **Autoconnect** button to establish communications.
- Click the **Send/Recv** button to send or receive commands.
- Click the **Switch Model** button to open the model menu, or to return to the previous model.
- Click the **Parameters** button to show the tabbed control views.
- Click the **Setup** button to show the tabbed interface views.
- Click the **Terminal** button to display decoded symbol data and to send serial commands.
- Click the **Utilities** button to access Read Rate, Counters, Device Control, Differences from Default, Master Database, Digital Bar Code, and Firmware.

For further details, see **di-soric di-soric ID Help** in the drop-down Help menu.