Quick Start Guide FIS-0870 Industrial Sweep Raster Scanner

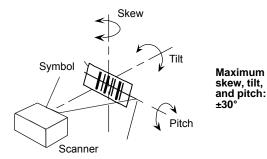


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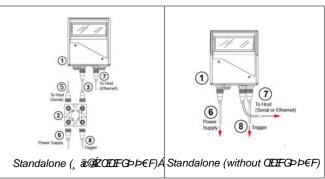
P/N 83-110870 Rev B

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.



Step 1 — Check Hardware



Hardware Required

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

Item	Description	Part Number
1	FIS -0870 Industrial Raster Scann	FIS-0870-XXXX
2	Interface Device	ZAA12NN01
3	Cordset, Common, M12 12-pin Plug to M12 12-pin Socket, 1 m	ZAV12Rx01
5	Cordset, Host, Serial, M12 12-pin Socket to DB9, 1 m	ZAV13Rx01
6	Power Supply, M12 12-pin Socket, 1.3 m	NT-10
7	Cordset, Host, Ethernet, M12 8-pin Plug to RJ45, 1 m	ZAV88Rx01
8	Photo Sensor, M12 4-pin Plug, NPN, Dark On, 2 m	

Note: Additional cordsets and accessories are available in the Microscan Product Pricing Catalog.

Step 4 — Install ESP

ESP Software can be found on the wenglor Tools CD that is packaged with the FIS-0870.

- 1. Follow the prompts to install ESP from the CD.
- 2. Click on the ESP icon to run the program.



Note: ESP can also be installed from the Download Center at www.k Yb[`cf.com.

Refer to the F \hat{Q} -€870 Industrial Raster Scanner User's Manual for detailed information about using ESP to configure the FIS-0870.

Step 2 — Connect the System

Important: When connecting Ultra-Lock cordsets to the FIS-0870 and ZAA12NN01, align the pins first and then push the connector into place. Do <u>not twist the</u> 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 ZAA12NN01 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 FIS-0870 to "2" on the AB-0830.
- 2. Connect the host cable from "1" on the QX-1 to the host computer.
- 3. Connect the photo sensor to "T" on the ZAA12NN01.
- 4. Connect the power supply to "3" on the ZAA12NN01.
- 5. Plug in the power supply.

Ethernet

- 1. Connect the Ethernet Cable from "B" on the FIS-0870 to the network.
- 2. Connect the power supply to "A" on the FIS-0870.
- 3. Plug in the power supply.

Step 5 — Select Model

When you start ESP, the model menu will appear:



- 1. Click the button showing the FIS-0870.
- 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:

FIS-0830-1 FIS-0830 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.

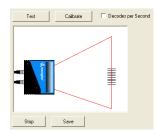
Step 7 — Test Read Rate

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

1. Click the **Test** button in ESP'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 FIS-0870 will indicate the percentage of successful decodes per second.

 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 ØØJ-€870 Industrial Raster Scanner User's Manual for information about how to test read rate using serial commands or the scanner's EZ button.

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.

F R5-232	IP Address: 162 . 148 . 88 . 51
Ethernet	TCP Post 1: 2001 🚽
	Search
	Connect Cancel

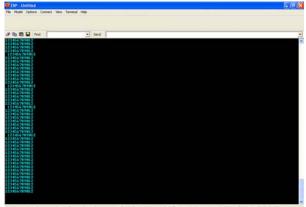
 When a connection is established, the green indicator in the status bar at the bottom right of the screen will be visible.

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 FIS-0870 is connected, incoming symbol data can be displayed in the **Terminal**, as shown below.



Next Row - Master Request - Counter Clear - Counter Request - Next Decode New Master - Auto Davy Chain - Auto Documinater - Send Tropper Character - Enable Senial Tropper For Help, press F1.

Step 8 — Configure the Scanner

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:

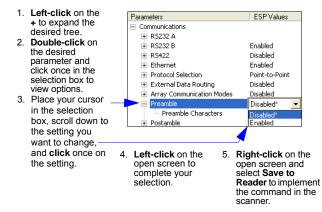


- Click the **EZ Mode** button to return to EZ Mode.
- Click the Autoconnect button to establish communications.
- Click the Send/Recv button to send or receive commands.
- Click the Switch Model button to open the model menu, or to return to the previous model.
- Click the Parameters button to show the tabbed tree 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 **k Yb[`cf ESP Help** in the dropdown Help menu.

Step 9 — Save Changes

To make changes to configuration settings in the tree controls:



Saving Options

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