



FixedConfig7000 Quick Start Guide

Use FixedConfig7000 configuration software to configure settings and verify the reading performance of the V7000 fixed barcode scanner.

Scan the QR code or visit the link to download the FixedConfig7000 software and manual:



BradyID.com/V7000

IMPORTANT: Before operating the scanner, be sure to read important safety information in the FixedConfig7000 User Manual.

NOTE: The terms scanner and reader are used interchangeably throughout the documentation.

1. Install FixedConfig7000

To install the software:

1. Download the FixedConfig7000 software from BradyID.com/V7000.
2. Double-click the .exe file; you may need administrator rights. (If you are upgrading the software, first uninstall the existing version.)
3. Follow the on-screen instructions to install the software.

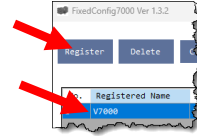
2. Run FixedConfig7000

To prepare the computer:

1. Set the computer's Ethernet adapter (IPv4) to 192.168.209.xxx where xxx is any 3 digit number other than 10. (The initial IP address of the scanner is 192.168.209.10. The computer and device must be in the same subnet.)
2. In the Ethernet settings, make sure the IP assignment is set to manual.
3. Set the IP address, subnet mask, Gateway, and preferred DNS.

To run the software:

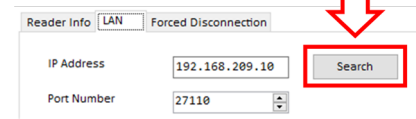
1. Connect the computer and the scanner with an Ethernet cable.
2. Double-click the **FixedConfig7000** icon on the desktop or from the Start menu open the **FixedConfig7000** folder and select **FixedConfig7000**.
3. The device is registered automatically. Double-click the registered device (bottom arrow) to open its settings. If no registered device is listed, click the **Register** button (top arrow).
4. The **Connection Settings** window opens. Proceed to the next panel.



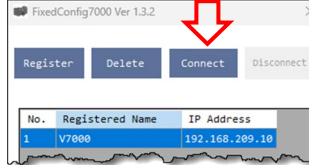
3. Connection

To register and connect the scanner to the software:

1. On the **Reader Info** tab of the **Connection Settings** window, you can keep the **Reader Name** and **Model Name** that are provided or change them.
2. On the **LAN** tab, click **Search** next to the IP address to find an available IP address and port, or fill in these fields manually.

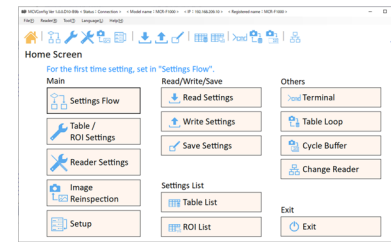


3. Click the **Register** button at the bottom of the screen.
4. Click **Connect**.



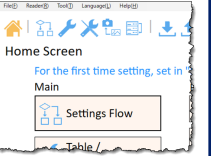
5. The software displays a startup message, and then opens the **Home Screen**.

When the connection is successful, the scanner's settings are automatically loaded.

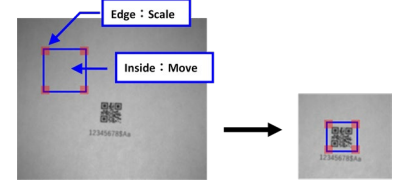


4-1. Adjust Scanner Settings (Part 1)

1. Click **Settings Flow** on the **Home Screen**.
2. The software displays the **Settings Flow Screen**. Set the following items.
 - a. **Read Object:** Choose either single or multiple ROI.
 - b. **Cell Size:** Use the default value, or check the **Guidance** tab for more information. Refer to the FixedConfig7000 manual for details.
 - c. **Distance Range:** Click to calculate the distance range and field of view based on the cell size. Click on the desired distance and field view in the table, and then click **Set**.



- d. Click **Brightness**.
 - i. Select either **1D**, **2D**, or **2D Quality Check** depending on the type of barcode you will be scanning.
 - ii. Drag and resize the rectangle so that it outlines the barcode. The brightness adjusts automatically. The rectangle changes from red to blue when the process is complete.
 - iii. Click **Confirm** and then click **Stop**.

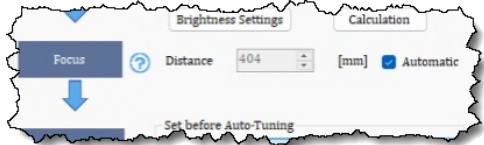


Steps continue in panel 4-2.

4-2. Adjust Scanner Settings (Part 2)

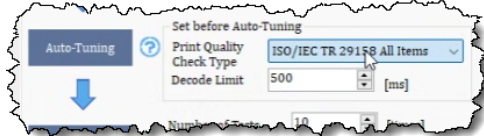
2. (Continued from panel 4-1.)

- e. Click **Focus**.
 - i. If the image is still out of focus or if you want to set the focus distance manually, clear the **Automatic** check box and enter a value in the **Distance** field.



- ii. Make sure the entire barcode is clearly visible on the right side of the screen.
- f. Click **Auto-Tuning**.

- i. If you selected **2D Quality Check** in panel 4-1 step 2.d., you must select an option in **Print Quality Check Type**.

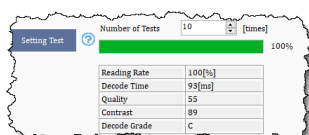


- ii. When Auto-Tuning completes, the **Auto-Tuning was successful** window opens. Fill in the following fields.

- **Save Table Number**
- **Save ROI Number**

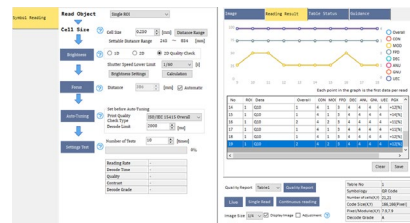
- iii. Click **Save**.

- g. Click **Settings Test** to read the barcode and display the test results. Results are shown in the table to the right and down from the **Settings Test** button.



5. Decode Barcodes

1. Still on the **Settings Flow Screen**, select the **Reading Result** tab on the right side of the screen.
2. Click the **Clear** button below the table on the **Reading Result** tab. This clears the table of existing data.
3. Click the **Continuous reading** button near the bottom of the **Reading Result** tab. The reading result is displayed in a graph and a table.



The results display differs depending on whether or not you selected **2D Quality Check** in panel 4-1 step 2.d.

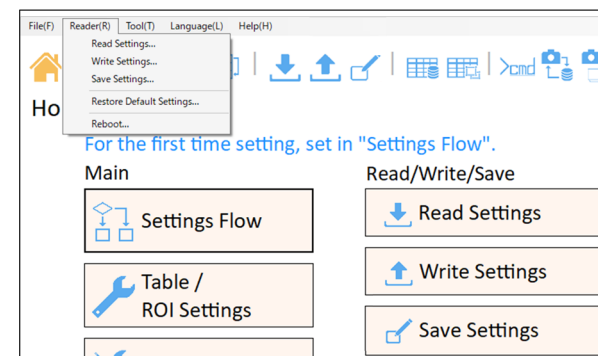
2D Quality Check selected	
Data	Decode Data
Overa	2D Barcode Overall
II	
CON	Contrast
MOD	Modulation
FPD	Fixed Pattern Damage
DEC	Decode
ANU	Axial Non-uniformity
GNU	Gird Non-uniformity
UEC	Unused Error Correction
PGX	Print Growth X
PGY	Print Growth Y

1D or 2D selected (no quality check)	
Data	Decode Data
Contrast	Contrast
Quality	
DecodeTime	Decode Time

PGX and PGY are indicators of whether each cell expands or contracts vertically or horizontally. At $\pm 0\%$ there is no expansion or contraction.

6. Write and Save Settings to the Scanner

Once you are satisfied with the read result, write and save the settings to the scanner.



To write settings to the scanner, click any of the following.

- **Reader** menu, then **Write Settings**
- **Write Settings** button

To save settings to the scanner's non-volatile memory (so that the scanner retains the settings even when powered off), click any of the following.

- **Reader** menu, then **Save Settings**
- **Save Settings** button



Brady Worldwide Inc.
6555 W. Good Hope Rd.
Milwaukee, WI 53223
UNITED STATES

Support: bradyid.com/techsupport

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