

DynaFlex, DynaProx

**Utility BCR
Manual (Windows)**

June 15 2022

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REGISTERED TO ISO 9001:2015

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Rev Number	Date	Notes
10	June 15, 2022	Initial Release

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1 Introduction

1.1 About This Document

This document provides instructions to use the *DynaFlex*, *DynaProx Utility BCR* software for demonstrating barcode reading operations. It is part of a larger library of documents designed to assist implementers. For details, see the product Support pages on www.magtek.com.

1.2 System Requirements

- A Windows 10 host with available USB port
- Microsoft .NET 4.6.1 and above installed on the host
- DynaFlex, DynaFlex Pro, or DynaProx device(s)
- USB-C cable with USB Type-A or USB-C, Serial to USB adapter cable
- Software 1000008341 DynaFlex, DynaProx Utility BCR, provided by MagTek

1.3 How to Download, Install, and Launch the Software

To download *DynaFlex*, *DynaProx Utility BCR* software, follow these steps.

- 1) Download the software with the name 1000008341.zip (DynaFlex, DynaProx Utility BCR) from MagTek.
- 2) Extract the .zip file on the host's hard drive.
- 3) If needed, download and install Microsoft .NET 4.6.1 or above from <https://dotnet.microsoft.com/download/dotnet-framework>.
- 4) Launch BCRUtility.
- 5) See the steps in the sections below to connect to a device.

2 How to Connect to Devices

To connect via an interface listed in the **Device** list box, follow these steps.

2.1 How to Connect Using the USB Connection

- 1) For best results, use the cable that is included with the device.
- 2) Connect the USB-C end of the cable to DynaFlex or DynaProx device.

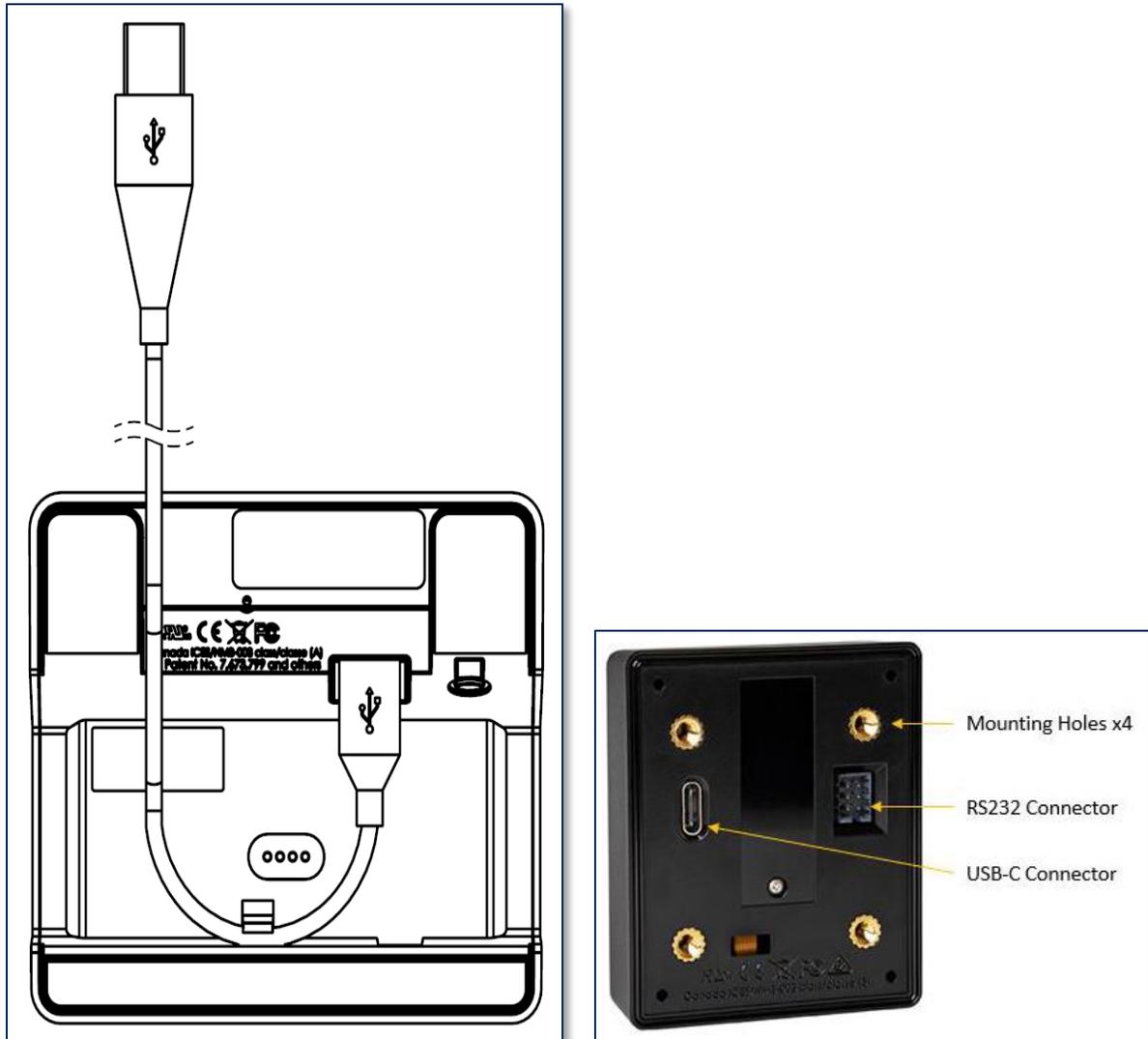


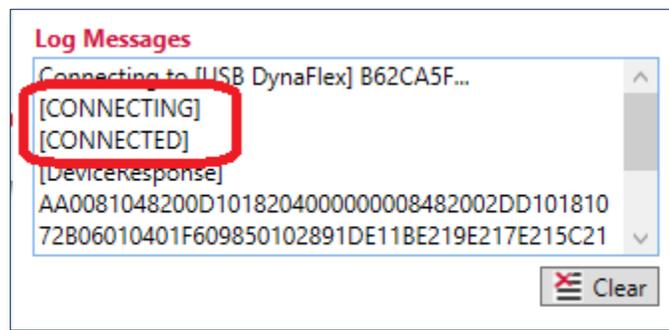
Figure 2-1 - Connecting DynaFlex / DynaProx to a USB Host

- 3) If you plan to route the cable out the back of the device, route the cable through the cable management clip to change its direction. Even if you are not routing out the back, you may use the cable clip for strain relief to help stabilize the mechanical connection when cardholders or operators move the device or the cable.
- 4) Route the cable in the desired direction (e.g., out the back, left, right, or down into the countertop).
- 5) Connect the other end of the USB cable to the host's USB port.
- 6) As soon as the device starts receiving power through USB, it automatically powers on.

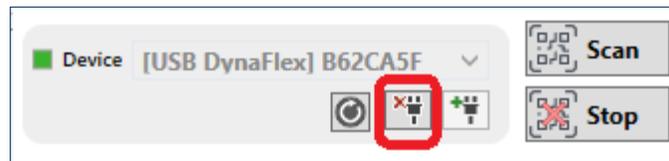
- 7) Launch the DynaFlex/DynaProx Utility BCR and select a **DynaFlex** or **DynaProx** device in the list, then press the connect button.



- 8) The **Log Messages** shows the status of the connection.



- 9) To disconnect the device, press the **Disconnect** button.

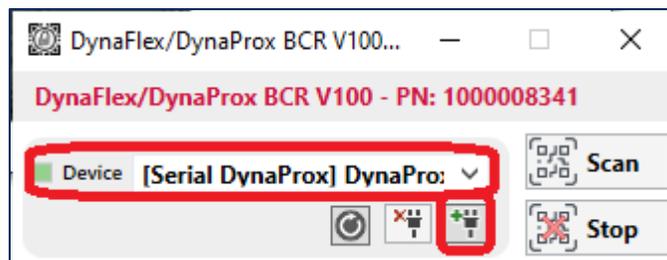


2.2 How to Connect Using the Serial Connection

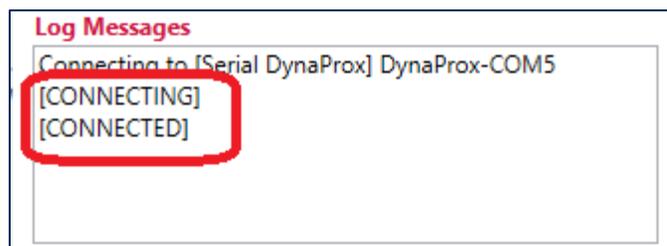
- 1) For best results, use the cable that is included with the device.
- 2) Connect the USB-C end of the cable to the DynaProx device and the other end to the PC. This cable is for powering the device.
- 3) Connect the 6-pin header end of the Serial cable to the DynaProx device and the other end to the PC Com port. This cable is for communicating with the device as a COM port. A USB to Serial adapter cable may be used if the PC is not equipped with a COM port.



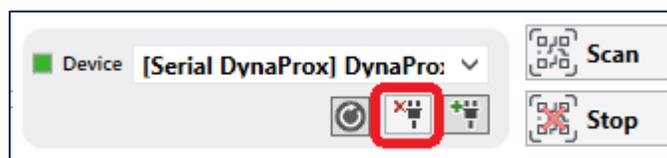
- 4) Launch the DynaFlex/DynaProx Utility BCR and select a **Serial DynaProx** device in the list, then press the connect button.



- 5) The **Log Messages** shows the status of the connection.



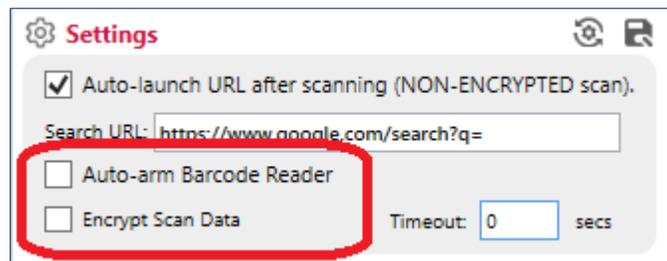
- 6) To disconnect the device, press the **Disconnect** button.



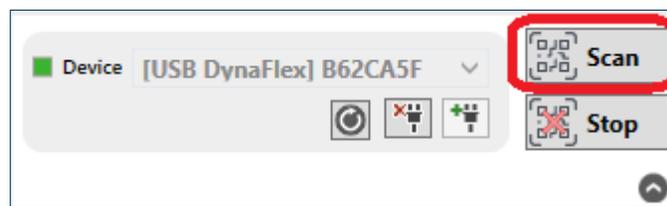
3 How to use the Barcode Reader

3.1 Barcode Returned Unencrypted

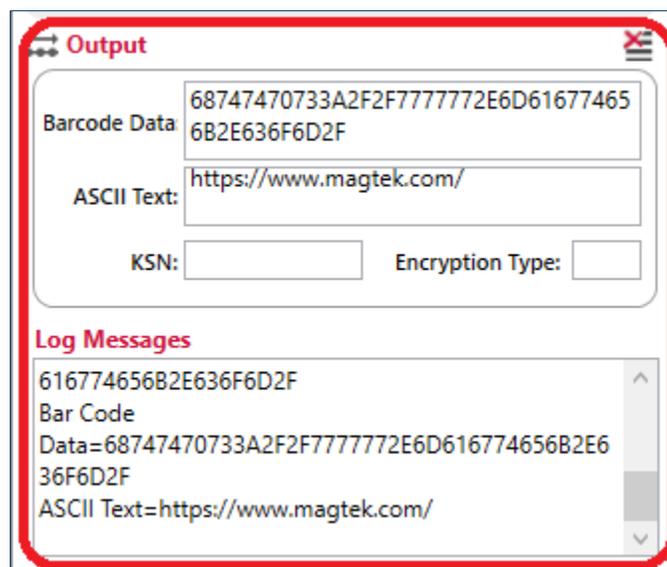
- 1) Locate a barcode that can be scanned by the device such as a mobile app, screen, or print out.
- 2) Uncheck **Auto-arm Barcode Reader** and **Encrypt Scan Data**.



- 3) Press the **Scan** button to begin scanning a barcode.



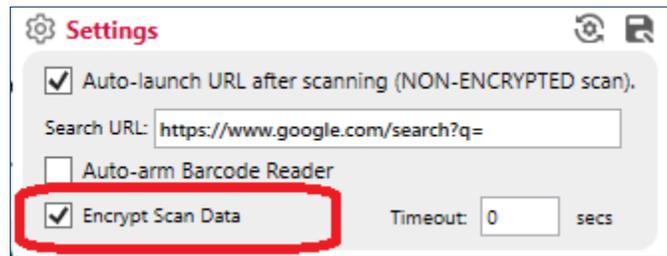
- 4) The BCR LED will turn on. Present a barcode near the top center of the device.
- 5) The BCR LED will turn off after the BCR scan is complete.
Note, if the barcode does not scan, slowly center the barcode. If centered, slowly move the barcode away from the device. The larger the barcode size, the further away it should be.
- 6) Barcode data will be shown similar as below.



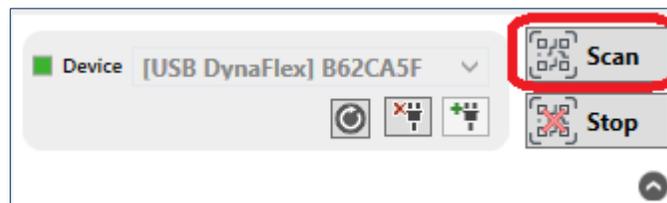
3.2 Barcode Returned Encrypted

To return the barcode data as encrypted, follow these steps.

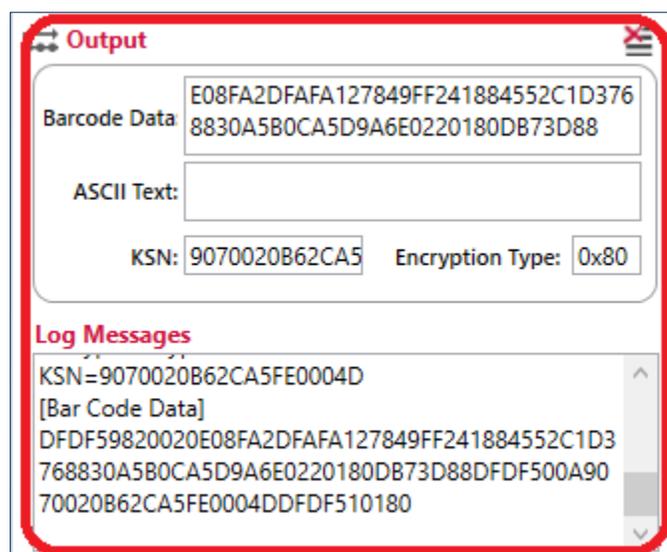
- 1) Locate a barcode that can be scanned by the device such as a mobile app, screen, or print out.
- 2) Check on **Encrypt Scan Data**.



- 3) Press the **Scan** button to begin scanning a barcode.

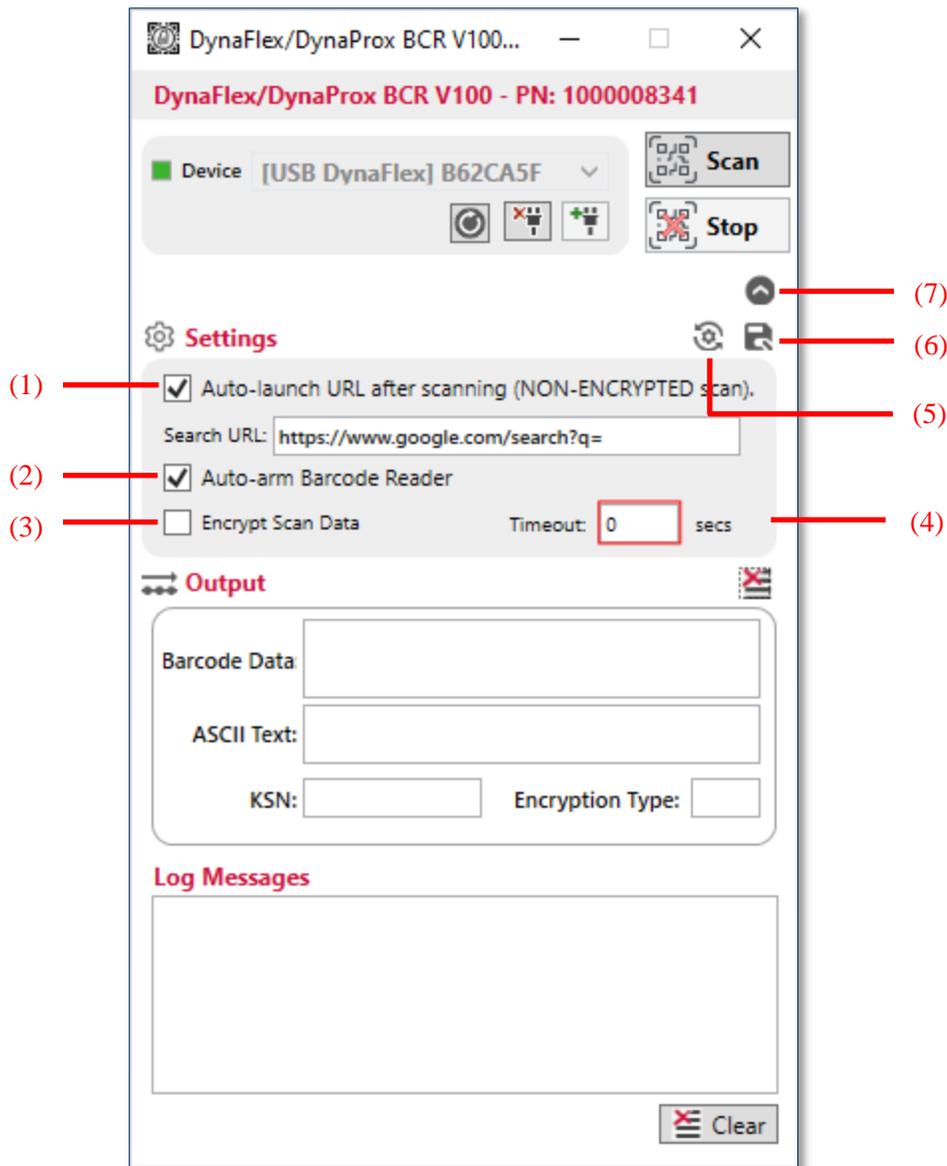


- 4) The BCR LED will turn on. Present a barcode near the top center of the device.
- 5) The BCR LED will turn off after the BCR scan is complete.
Note, if the barcode does not scan, slowly center the barcode. If centered, slowly move the barcode away from the device. The larger the barcode size, the further away it should be.
- 6) Encrypted Barcode data will be shown similar as below.



3.3 Settings

This section describes the settings for this app.



1. **Auto-launch URL:** When checked, a browser launches if the scanned barcode is a URL, or the app will launch the browser with the search URL to search for the barcode data if it's a non-URL
2. **Auto-arm:** When checked, the barcode reader will continuously scan barcodes.
3. **Encrypt Scan Data:** When checked, the barcode data is returned encrypted. ASCII text is blank. KSN and Encryption type is filled in.
4. **Timeout:** Time in seconds from 0 to 255 to re-arm the barcode reader. 0 means no timeout.
5. **Default settings:** Restores the settings to the default.
6. **Save settings:** Saves the settings.
7. **Collapse Output:** Collapses / expands the Output panel.

