

iDynamo 5 Gen III

Utility

User Manual (Windows)

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Table 0-1 - Revisions

Rev Number	Date	Notes
100	June 12, 2024	Initial Release

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Table of Contents

Li	mited V	Varranty	. 4
S	OFTWA	RE LICENSE AGREEMENT	. 6
Ta	able of (Contents	. 8
1	Intro	duction	. g
		About This Document	
		System Requirements	
		How to Download, Install, and Launch the Software	
		Device Requirements	
2		to Connect to Devices Using iDynamo 5 Gen III Utility	
3		to switch interface type	
4		to Update Firmware	
5		to Use the MSR Transaction Demo	
J		HID Mode MSR Transaction	
		Keyboard mode MSR Transaction	
6			14 15
T)	HOW	10 USE COMMINADO 1001S	1.5

1 Introduction

1.1 About This Document

This document provides instructions to use the *iDynamo 5 Gen III Utility* software for demonstrating card swipe, configuration, and firmware updating. Supported devices are iDynamo 5 Gen III in HID or Keyboard mode. It is part of a larger library of documents designed to assist implementers. For details, see the product Support pages on www.magtek.com.

The following documents are essential:

• D998200587 iDynamo 5 Gen III Secure Card Reader Programmers Manual Commands

1.2 System Requirements

- A Windows 10 or above host with available USB port
- Microsoft .NET 4.6.1 and above installed on the host
- USB-C cable with USB Type-A or USB-C for host connection
- Software 1000009588 iDynamo 5 Gen III Utility, provided by MagTek

1.3 How to Download, Install, and Launch the Software

To download iDynamo 5 Gen III Utility software, follow these steps.

- 1) Download the software with the name 1000009588.zip (iDynamo 5 Gen III Utility) from MagTek.
- 2) Extract the .zip file on the host's hard drive.
- 3) Download and install Microsoft .NET 4.6.1 or above from https://dotnet.microsoft.com/download/dotnet-framework.
- 4) Launch iDynamo5Gen3Utility.exe.
- 5) See the steps in the sections below to connect to a device.

1.4 Device Requirements

• Make sure the device is configured in USB HID or Keyboard mode.

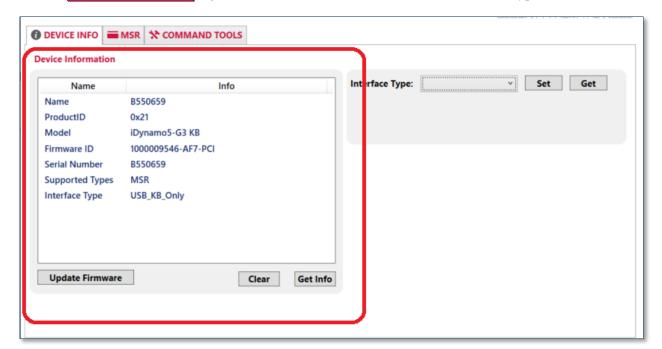
2 How to Connect to Devices Using iDynamo 5 Gen III Utility

To connect via USB interface listed in the **Connection Type** box, follow these steps:

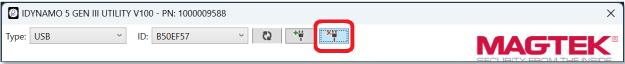
- 1) For best results, use the cable that is included with the device.
- 2) Connect the USB-C end of the cable to iDynamo 5 Gen III device.
- 3) If you plan to route the cable out the back of the device, route the cable through the cable management clip to change its direction. Even if you are not routing 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 *iDynamo 5 Gen III Utility* and select **USB** device in the USB **Type** list, then press the connect button.



8) The **Device Information** log shows the information of the device and interface type.



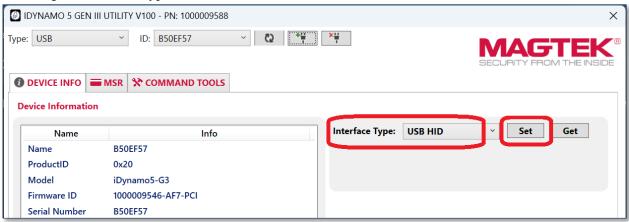
9) To disconnect the device, press **Disconnect** button.



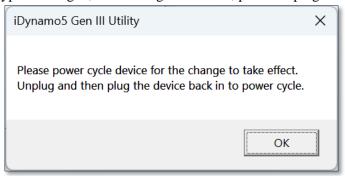
3 How to switch interface type.

To switch interface type, follow these steps:

1) Select the desired interface type under the **Interface Type** list box, then press the **Set** button to change the interface type.



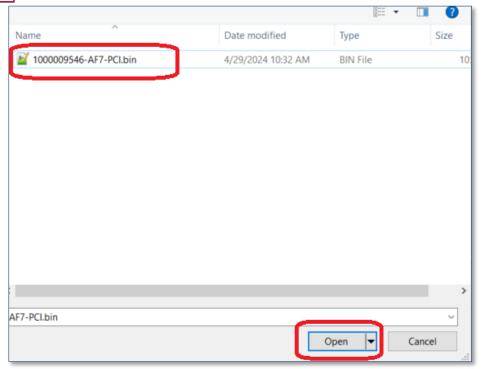
2) After the interface type is changed, this message will show, please unplug then plug in the device.



4 How to Update Firmware

To update firmware, follow these steps.

- 1) Before you update the firmware, please obtain the latest firmware from MagTek support team, and then save it to local storage.
- 2) Please make sure the device is in HID mode, if not, please follow the instructions in step 3 to switch device to HID mode.
- 3) Press the **Update Firmware** button.
- 4) Browse to the folder that contains the new firmware from MagTek, select the firmware file, and press the **Open** button.



5) Check the status displayed in the software.



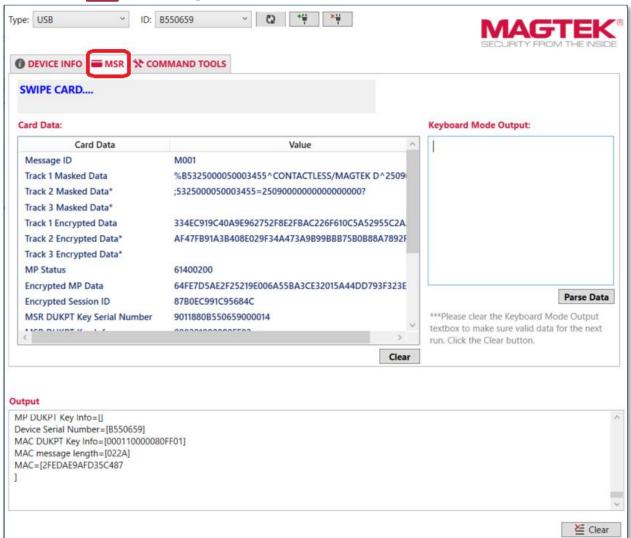
5 How to Use the MSR Transaction Demo

The following instructions detail how to perform MSR transactions using USB.

5.1 HID Mode MSR Transaction

To perform an MSR transaction if your device is in HID mode, follow these steps.

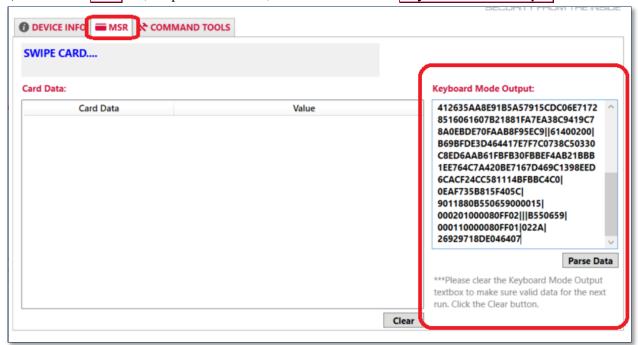
1) Select the **MSR** tab, then swipe an MSR card.



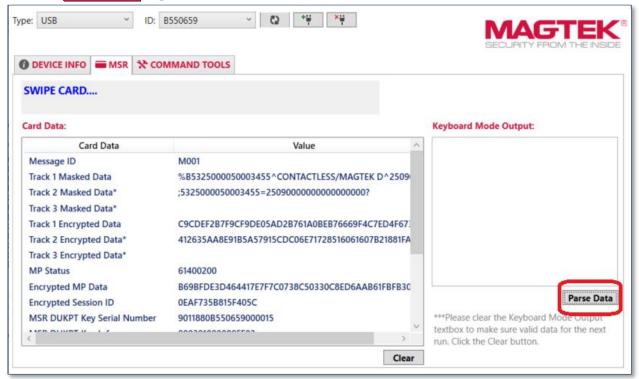
5.2 Keyboard mode MSR Transaction

To perform an MSR transaction if your device is in Keyboard mode, follow these steps.

1) Select the MSR tab, swipe an MSR card, and then observe the Keyboard Mode Output data.



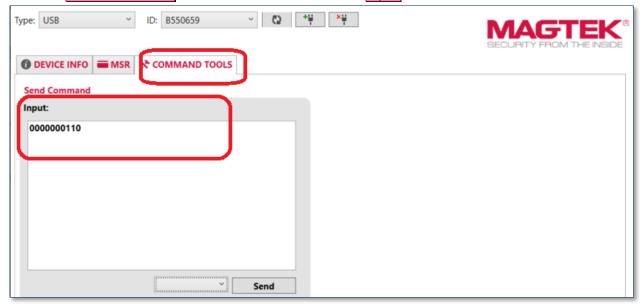
2) Press **Parse Data** to parse the data.



6 How to use Command Tools

To send commands to device, follow these steps.

1) Select **Command Tools** tab, then enter command to the **Input** text box.



2) Select **Command Type**, **Extended**, then press the **Send** button, and then observe the response in the output text box.

