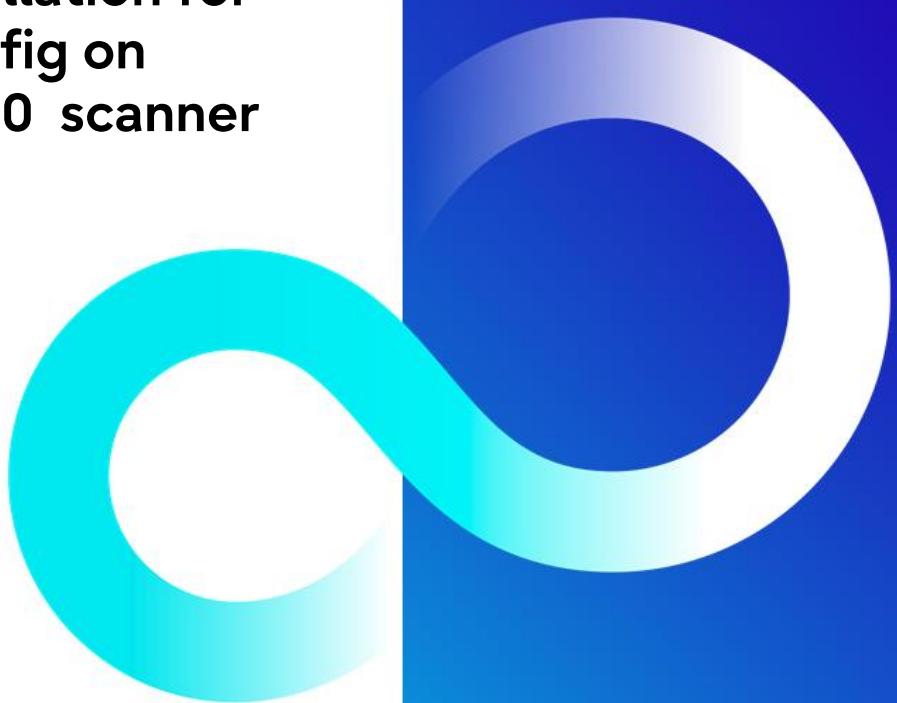


## Overview of installation for firmware and config on Datalogic GD4590 scanner



Navigate to <https://www.datalogic.com>

Navigate to this URL:

<https://www.datalogic.com/eng/retail-manufacturing-transportation-logistics-healthcare-other-applications/handheld-scanners/gryphon-4500-series-pd-836.html#download>

Download the current Aladdin Version 3 standalone application and the USB-COM driver.

You will need to register with Datalogic for this task.

The screenshot shows the 'DOWNLOADS' section of the Datalogic website. It lists several categories on the left: Data Sheets, Industry & Application Literature, Product Literature, Manuals & Technical Doc, Software & Utilities (which is selected), Product Certifications, FAQs, and Software & Utilities ~ Other Utilities. Under 'Software & Utilities', there are three main download links:

- Datalogic Aladdin 3.3.0.10**  
Aladdin Setup Standalone Application  
ZIP / 179,33 Mb  
Download (blue arrow icon) | Information (info icon)
- Datalogic Aladdin 2.3.7, build 200318.0735**  
aladdin\_setup\_2.3.7.0\_200318.0735\_f  
ZIP / 179,33 Mb  
Download (blue arrow icon) | Information (info icon)
- Gryphon - Cleaning solutions abstract**  
Gryphon—Cleaning-Solutions-Abstract  
PDF / 1,5 Mb  
Download (blue arrow icon) | Information (info icon)

Under 'Software & Utilities ~ Other Utilities', there is one link:

- USB-COM DRIVER V6.3.2**  
DR9100399  
ZIP / 1,11 Mb  
Download (blue arrow icon) | Information (info icon)

Install the USB-COM driver on your WINDOWS laptop first, then reboot it, and then install Aladdin V3 standalone app.

You will need administrator permissions for your laptop.

The GD4590 Firmware and Config datafiles are available on GPMO Documentation Portal.

Please download the two datafiles: 610099025.zip and DR9611107.txt from GPMO portal.

Firmware file 610099025.zip to be unpacked/unzipped before use. Remember where you placed the unzipped file in the directory. **610099025.dfw** you will need to point ALADDIN to this file.

The screenshot shows a web browser window with the URL [gpmo.global.fujitsu.local/partnerweb/Docportal.aspx](http://gpmo.global.fujitsu.local/partnerweb/Docportal.aspx). The page title is "Documentation Portal". The breadcrumb navigation shows: Projects > HAM > 3. Technical Documentation > 03 Scanner > GD4590. Below the breadcrumb is a table listing four files:

| Name   | Size      | Last Modified   |
|--|-----------|-----------------|
| 610099025.zip                                | 3.22 MB   | Fri 08 Jan 2021 |
| DR9611107.txt                                | 21.90 KB  | Thu 26 Sep 2019 |
| GD4430 to GD4590 conversion.pdf              | 183.65 KB | Tue 12 Nov 2024 |
| Scanner GD45xx HW Configuration v1.53 EN.pdf | 1.27 MB   | Mon 14 Dec 2020 |

At the bottom of the page, there is footer information: "GPMO Internal Portal 2.7.1", "About | Imprint | Privacy | Terms of Use", and "Copyright 2025 Fujitsu GPMO".

Note that Aladdin is a JAVA-APP, its startup is not instant. First it loads the JAVA-runtime. Then It attaches to a GD4590 scanner that's plugged into the Laptop.

The screenshot shows the Aladdin software interface. At the top, it says "aladdin" with a logo. Below that, it shows "Gryphon-GD4500 [COM6]". On the left, there is a sidebar with "DETECTED DEVICES" and icons for "DEVICE DETECTION" and "FIRMWARE UPGRADE". The main area shows a list of detected devices: "Gryphon-GD4500 610099025" with the note "Detected On COM6". To the right of the device list, there is descriptive text and a bulleted list:

- In this Instance the Windows Laptop connected the scanner to port COM6, but it will be different on another laptop depending on what's already connected to it.
- Click on DEVICE DETECTION yellow field if you need to redo detection.
- Click on **Firmware Upgrade** after you have received confirmation scanner is connected to upgrade the Firmware.
- Click on **the detected scanner image** to start working with it and to change or load the config file.

## TO UPGRADE Firmware:

Click on Firmware upgrade in display shown on previous page.

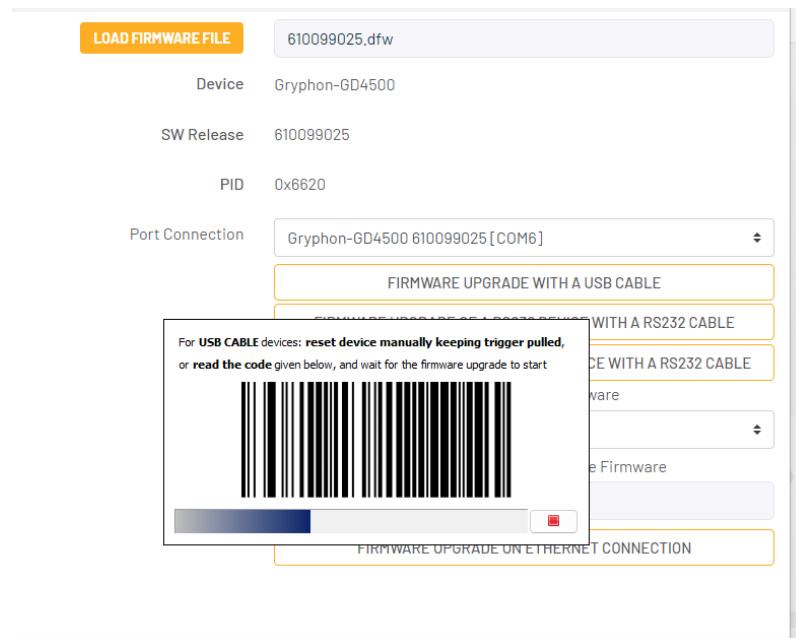
Select the Path/filename of the firmware to Load, ..\..\610099025.dfw

Select "Firmware upgrade with a USB cable "

The screenshot shows a software interface for upgrading firmware. At the top left is a yellow button labeled "LOAD FIRMWARE FILE". To its right is a text input field containing "610099025.dfw". Below these are four dropdown menus: "Device" (set to "-"), "SW Release" (set to "-"), "PID" (set to "-"), and "Port Connection" (set to "Gryphon-GD4500 610099025 [COM6]"). Under "Port Connection", three options are listed: "FIRMWARE UPGRADE WITH A USB CABLE" (highlighted with a yellow border), "FIRMWARE UPGRADE OF A RS232 DEVICE WITH A RS232 CABLE", and "FIRMWARE UPGRADE OF A NOT-RS232 DEVICE WITH A RS232 CABLE". Below the port connection dropdown is a section titled "Select Ethernet Connection to Upgrade Firmware" with a dropdown menu set to "Host". Under "Host", there are two options: "Otherwise, Input Ethernet Address to Upgrade Firmware" and "FIRMWARE UPGRADE ON ETHERNET CONNECTION" (highlighted with a yellow border).

Use Scanner to SCAN bar code shown on screen, firmware upgrade begins.

This will take up to several minutes. The APP informs when firmware upload is complete.



To LOAD new Config

Screenshot after selecting the active installed scanner (on COM6 in this case)

Wait while the APP retrieves the current configuration from the Scanner.

A progress BAR is shown while this happens, it takes 10-15 seconds

Scroll down to "CUSTOM Configuration File" (the last menu choice) and click on it.

The screenshot shows the Aladdin application interface for a Gryphon-GD4500 device. The main window is divided into several sections:

- Left Sidebar (PARAMETERS):** Lists various configuration options such as Interface Selection, Power Save, Reading Parameters, Data Format, Code Selection, Advanced Image Capture, USA Driver License Parsing, Advanced Formatting, and Custom Configuration File.
- Center Top (CONFIGURATION):** Contains buttons for reading and writing software release, reading SW version number, restoring custom default configuration, writing to custom default configuration, reading all device parameters, restoring USA factory configuration, restoring EU factory configuration, and disabling all symbologies except for programming labels.
- Right Side:**
  - HELP:** Buttons for View Image (Open) and Custom manual (Enabled).
  - NOT DEFAULT PARAMETERS:**
  - MODIFIED PARAMETERS:**
  - TERMINAL:** A window with a yellow "WRITE CONFIGURATION" button.
- Bottom Progress Bar:** A large progress bar indicating the loading process, with four small buttons below it labeled Write, Read, Load, and Save.

Select LOAD to load the  
File DR9611107.txt into  
Aladdin APP.

The contents of the file  
appears in the window.

```

1 ;START OF HEADER
2 ;Datalogic Scanner Configuration File
3 ;Config File Format: 0001
4 ;Master Config File: none;Copyright 2018 by Datalogic Scanning Inc.
5 ;Creation Date: 10 29 2018 10:5
6 ;File created by Datalogic Aladdin 1.6.2.0.0 [build:120214.0913]
7 ;
8 ;START OF COMMANDS
9 ;-----< Initialize >-----
10 $AE ; Erase Config Flash
11 ;
12 ;-----< System Configuration >-----
13 $YF44523936313131303720; CONFIGURATION ID DR9611107
14 ;
15 ;-----<USB-COM-STD>-----
16 $M47 ; Load Master defaults and set to USB-COM-STD
17 $CSNRM04 ; Scan Mode: Always On
18 $CIFO102 ; Interface Options: Ignore Scanner Configuration Host Commands
19 $CPVO01 ; Goal Read Beep Volume: Low
20 $CLAD0100 ; Low intensity
21 $CLAD0F02 ; 60 Hz LED Frequency
22 $CSWVS01 ; Generic stand mode
23 $CSNOG01 ; Object gone timeout
24 $CSNET01 ; scanning active time (1sec)
25 $CT2EN01 ; T 2 of 5 Enable/Disable: Enabled
26 $CT2L21A ; T 2 of 5 Set Length 2 (0, 2-50): 26
27 $CLFN001 ; Advanced Formatting/ Label Edit Script Enable: Enabled
28 $CSNML01 ; Multiple Labels per Frame: Enabled
29 $AS ; Commit Interface Class to user
30 $AS ; Commit Interface Class to factory

```

Write    Read    Load    Save

Click Write to transfer the config to the Scanner . The APP will show a progress bar until finished.

It will State: **Config file Written OK.**

A newly installed Aladdin APP will at this point complain that the file is larger than 13.000 bytes.

You need to set the Aladdin app to accept 15.000 bytes large config files by editing one Aladdin windows properties file:

**EDIT:**

```
C:\ProgramData\Datologic\Aladdin\resource\application.properties
ccfMaxSize = 15000
```

This Concludes the setup of a GD4590.

Select Information Classification | Uncontrolled if printed.

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