



CONTROL & RELIABILITY

Pyrodigital Downloader
V1.0

User Manual

The Pyrodigital Downloader is a Windows application that allows the user to download Pyrodigital scripts to a Pyrodigital Controller models FC3, FCA or FCE and also to extract a script from the controllers to a PC.

The following user guide will explain the functionality of the Pyrodigital Downloader.

Installation

The version v1.0 is a beta version and the Pyrodigital Downloader is distributed as a standalone .EXE executable file, so no installation is required. However, at this stage the program is not signed which will cause Windows to prompt the message that the software comes from an unknown developer and may be flagged by the antivirus software. If the antivirus software quarantines the Pyrodigital Downloader please add the file to the safe list and take it out from quarantine to use it.

System Requirements

- Windows 7 or later.
- .NET Framework 4.0 or later.

If the .NET Framework is not found in the computer is possible to download it from the Windows page:

<https://dotnet.microsoft.com/download/dotnet-framework/net40>

Using the Pyrodigital Downloader

Once the Pyrodigital Downloader is launched the following graphic user interface can be seen.

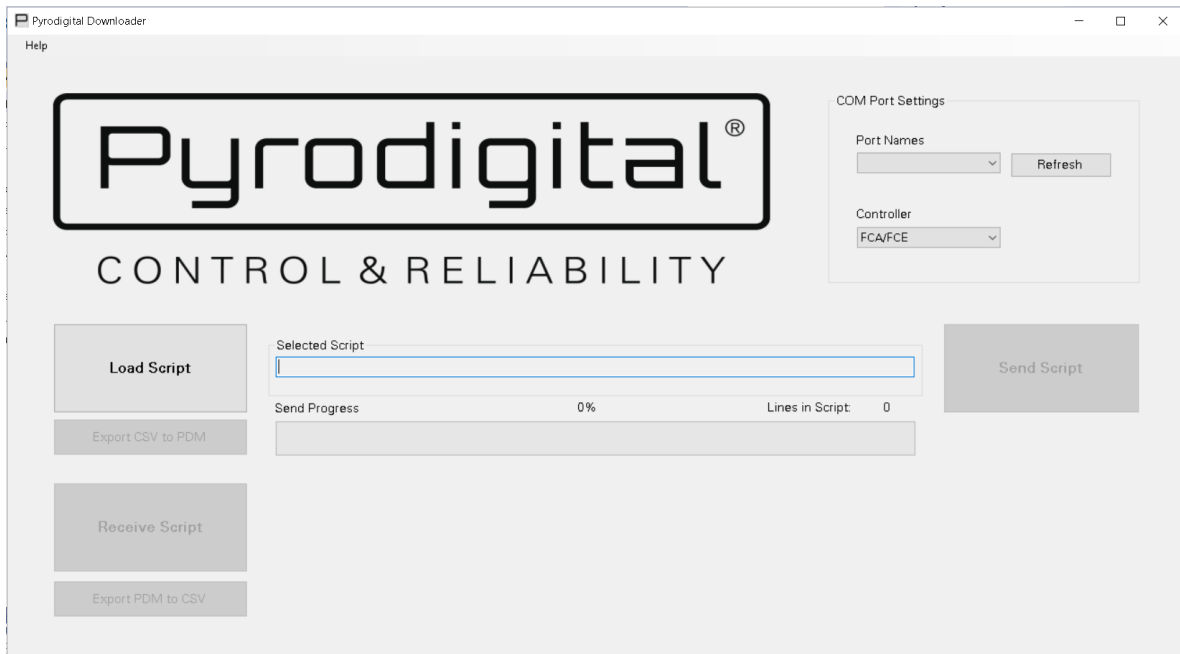


Fig. 1

If there are no serial COM ports available or created in the PC, which can happen if there is no controller connected to the PC, the **Port Names** list will be empty.

Connect the controller to the PC and click the **Refresh** button to populate the **Port Names** list and choose the COM port corresponding to the controller.

Next, choose the correct controller model from the **Controller** drop down list.

On this stage the **Load Script** and **Receive Script** buttons are active as shown in fig. 2.

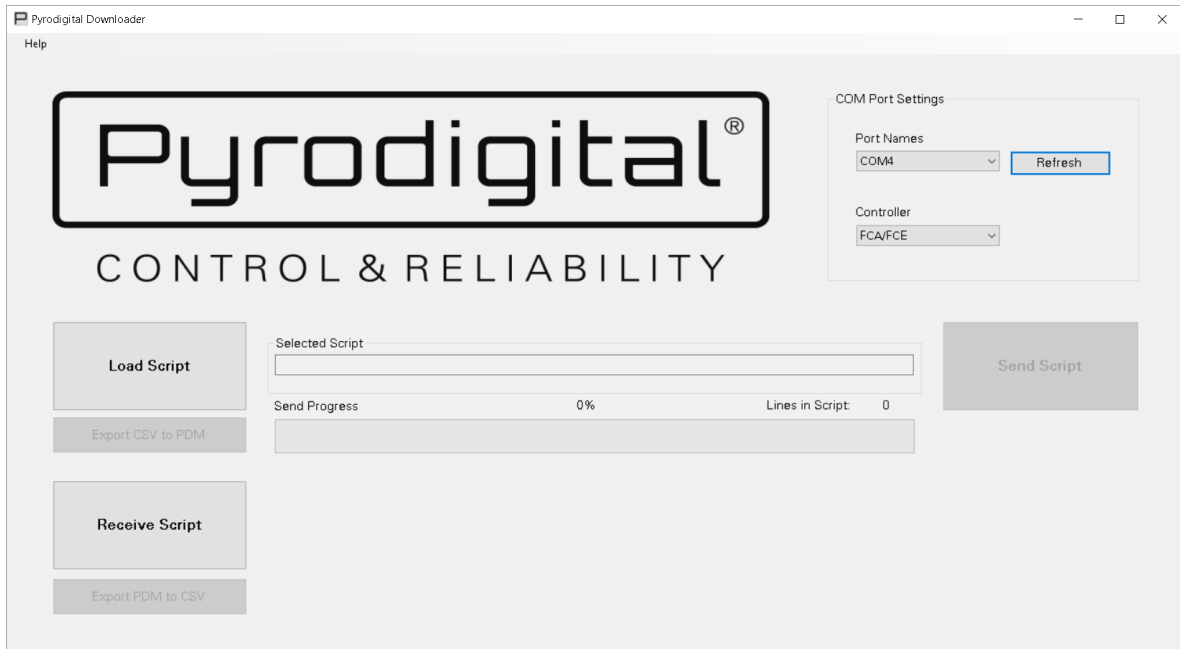


Fig 2.

Load Script to the Controller.

Click the **Load Script** button and choose the script to be loaded, it can be a .CSV file with the correct format or a PDM formatted file. The downloader will check the format and contents of the file and in case there is a problem will pop up an error message. If that is the case ensure that the selected script is a valid CSV file or a PDM file.

If the Load Script process was successful the selected script name and location path will be shown in the **Selected Script** text box, the total lines in the script will be shown on top of the progress bar and the **Send Script** and **Export CSV to PDM** button will be activated. See Fig. 3

Export CSV to PDM

By clicking the **Export CSV to PDM** a PDM file will be generated, it can be saved when the *Save As...* window shows.

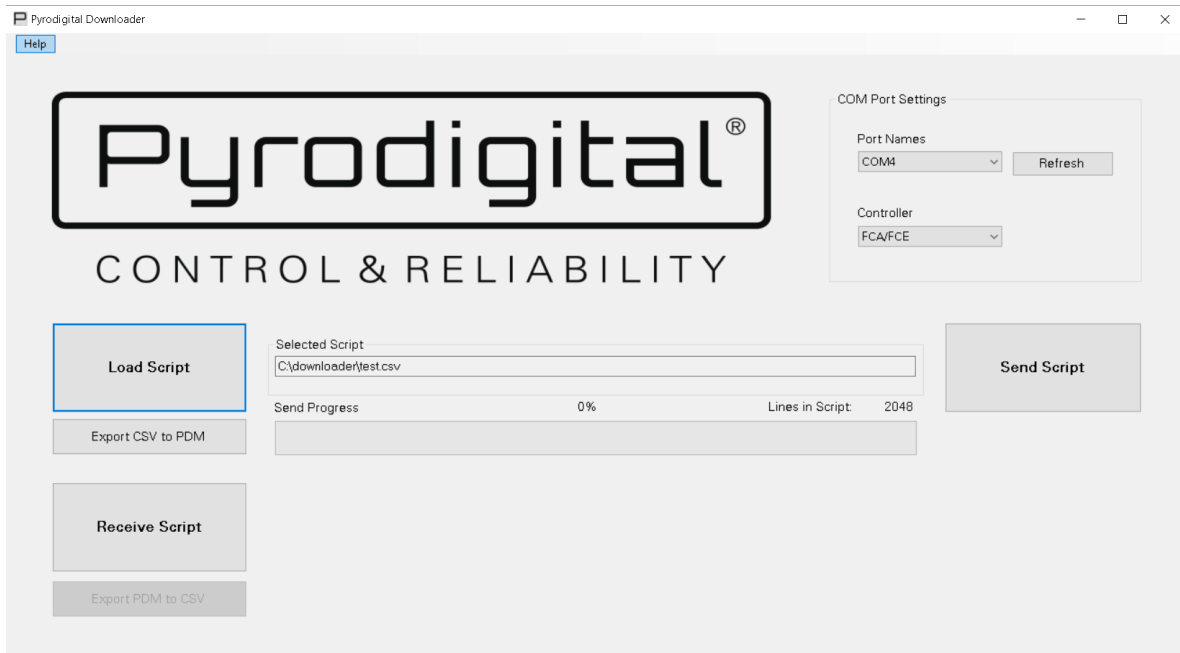


Fig. 3

To complete the downloading process the Controller must be ready to receive the script.

Navigate through the controller menus until the controller screen shows it is ready to receive the script with the message *"Awaiting table download..."* and then by clicking the **Send Script** button the download will start and the progress will be shown in the progress bar. If the controller is not in this state the Pyrodigital Downloader will pop up a message reminding to do so.

Receive Script from the Controller.

The Pyrodigital Downloader software is capable of receiving a script sent by the Controller. If the Receive Script button is clicked then the message *"Waiting script from controller"* will pop up, now navigating through the controller menus a script can be sent.

When data is received the message will change to *"Receiving Script..."* and when the transfer is completed the received script can be saved using the *Save As...* window that will pop up. The saved file will have a PDM format, and will be set as selected script and will be shown in the **Selected Script** text box. The PDM file can be exported to a CSV file by clicking the **Export PDM to CSV** button.