

Application Notes

How to Mass Download ZLD File Using Data File Manager (DFM) Command Line

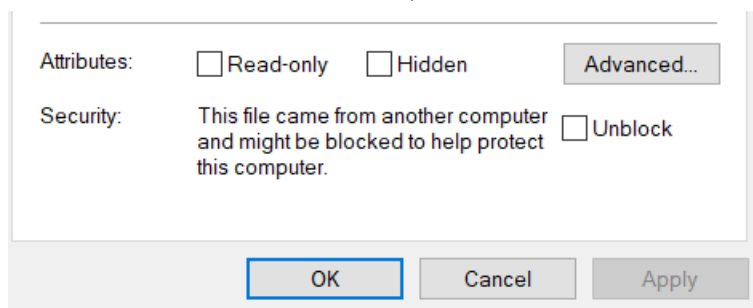
This step-by-step application note explains how to perform a mass download of ZLD files using the **DFM command line**. In this example, we use the batch file

“**DFM_PLC_download_onebyone+M8000_ON.zip**”, which can be downloaded from our website.

<https://us.idec.com/idec-us/en/USD/medias/DFM-PLC-download-onebyone-M8000-ON.zip?context=bWFzdGVyfHJvb3R8NjI0MzE3NHxhcHBsaWNhdGlvbi96aXB8aDY5L2hmNi85Njc2NDUxODk2ODYyL0RGTV9QTENfZG93bmVxYWRfb25lYnlvbmUrTTgwMDBfT04uemlwfGUzMGJiYjc3NDBkYWVmM2FiMjNIZGZkZWVlNDE0ZGI0ZjA5NTA2NTJlOWMwMWUwNmM2N2ZiNDQ0N2RiNwViYWU>

Steps:

1. Download the “**DFM_PLC_download_onebyone+M8000_ON.zip**” file.
2. **Unblock and extract the file.**
 - Before unzipping the file, right-click the zip file and go to **Properties**.
 - Check the box labeled **Unblock**, then extract the file.

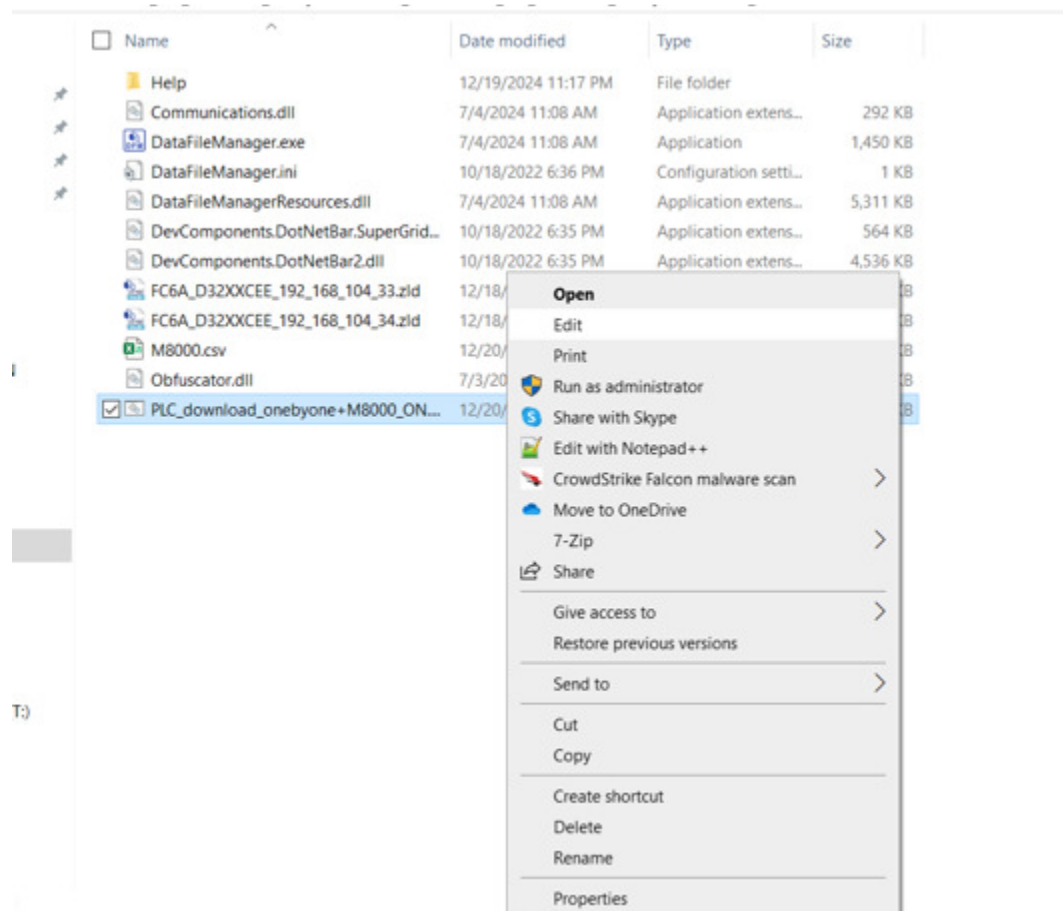


3. **Contents of the zip file:**
 - The “**DFM_PLC_download_onebyone+M8000_ON.zip**” file contains:
 - Two programs in ZLD format.
 - A batch file: **PLC_download_onebyone+M8000_ON**.

Name	Date modified	Type	Size
Help	12/19/2024 11:17 PM	File folder	
Communications.dll	7/4/2024 11:08 AM	Application extens...	292 KB
DataFileManager.exe	7/4/2024 11:08 AM	Application	1,450 KB
DataFileManager.ini	10/18/2022 6:36 PM	Configuration setti...	1 KB
DataFileManagerResources.dll	7/4/2024 11:08 AM	Application extens...	5,311 KB
DevComponents.DotNetBar.SuperGrid...	10/18/2022 6:35 PM	Application extens...	564 KB
DevComponents.DotNetBar2.dll	10/18/2022 6:35 PM	Application extens...	4,536 KB
FC6A_D32XXCEE_192_168_104_33.zld	12/18/2024 8:43 AM	ZLD Project File	1,673 KB
FC6A_D32XXCEE_192_168_104_34.zld	12/18/2024 8:44 AM	ZLD Project File	1,673 KB
M8000.csv	12/20/2024 8:33 AM	Microsoft Excel Co...	1 KB
Obfuscator.dll	7/3/2024 1:08 PM	Application extens...	7 KB
PLC_download_onebyone+M8000_ON....	12/20/2024 9:07 AM	Windows Batch File	2 KB

4. Edit the program file name and IP address.

- Right-click the batch file **PLC_Download_onebyone+M8000_ON** and select **Edit**.
- Modify the file name and IP addresses in the Notepad editor as needed.



```
PLC_download_onebyone+M8000_ON.bat - Notepad
File Edit Format View Help
REM Comment can be supported to be written if you add "REM" in top of the line.
REM Download ZLD file to 192.168.104.33. DFM downloading makes FC6A stop state. To make it RUN state, M8000 is writ
DataFileManager.exe \PLC -s \download -C "FC6A_D32XXCEE_192_168_104_33.zld" 192.168.104.33
DataFileManager.exe \PLC -s \write_[M8000]_1 "M8000.csv" 192.168.104.33

REM This is the same steps for 192.168.104.34
REM If you want to use DFM installed in C:\Program Files, you need to replace DataFileManager.exe to "C:\Program Fi
DataFileManager.exe \PLC -s \download -C "FC6A_D32XXCEE_192_168_104_34.zld" 192.168.104.34
REM "C:\Program Files (x86)\IDEC\IDEC Automation Organizer\Data File Manager\DataFileManager.exe" \PLC -s \download
DataFileManager.exe \PLC -s \write_[M8000]_1 "M8000.csv" 192.168.104.34

REM If you do not want to close command automatically, put "pause"
Pause
```

For more information about the DFM command line, refer to **Chapter 4** of the **Data File Manager User's Manual**.

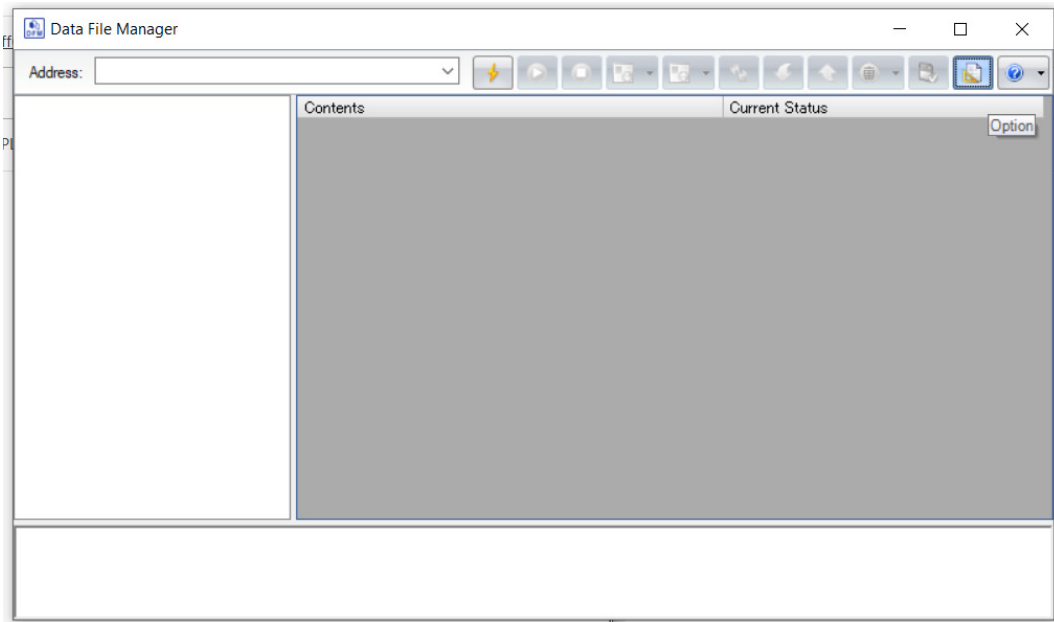
<https://us.idec.com/idec-us/en/USD/medias/B-1925-0-DFM-Users-MAN-E-12.pdf?context=bWFzdGVyfGRvY3VtZW50c3wxMzczOTg3fGFwGxpY2F0aW9uL3BkZnNoZTlvaGZlLzk1OTgxMjY3NTE3NzQvQi0xOTI1LTAtREZNLVZzZXJzLU1BTi1FLTEyLnBkZnwxZDQ2YmQ4N2MyZTNhNjAxMdc3Nzg3YjNhMjc0ZjY0ZmMxNmUxZTQ5MjJkNWlyOGQ2NGFIMmJlNzUyYjgxNDYy>

5. Execute the batch file.

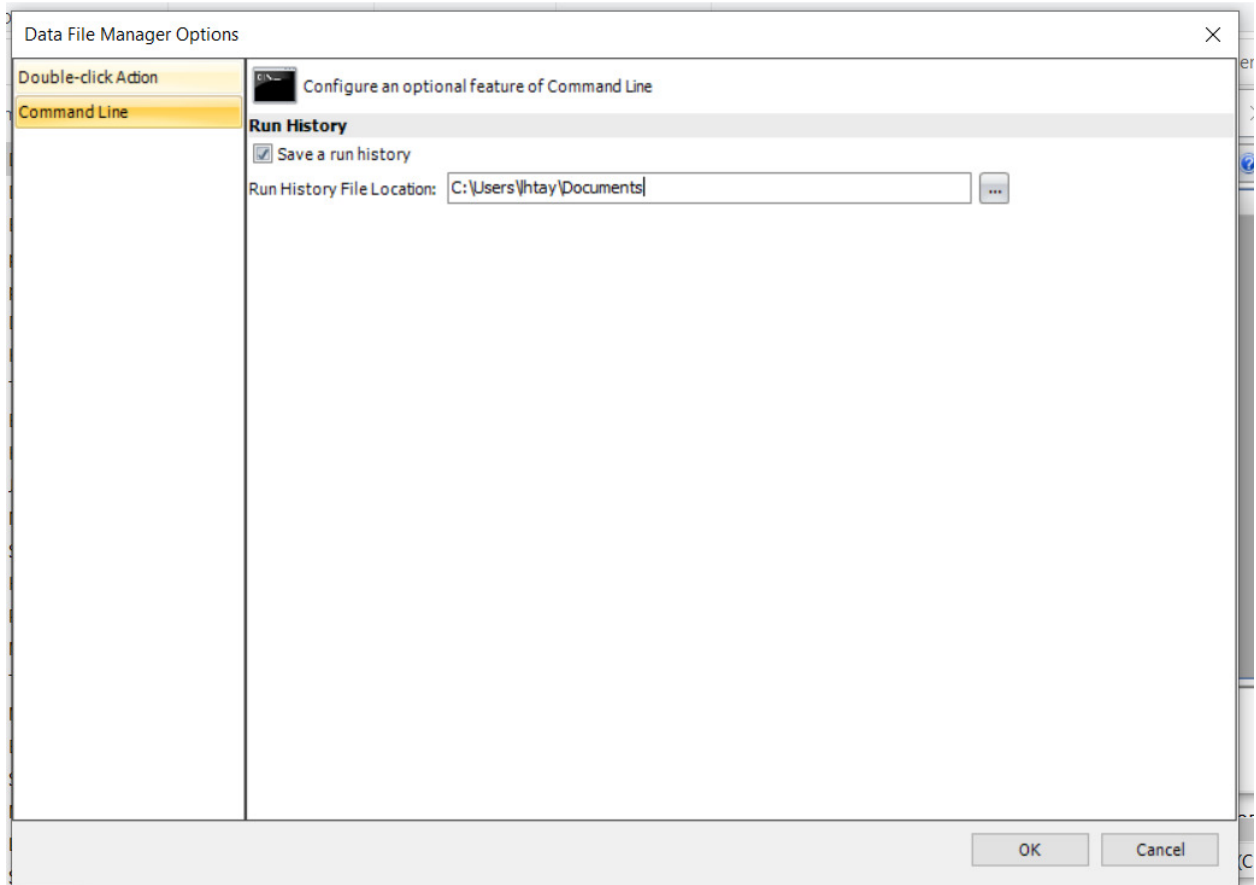
- Double-click the batch file **PLC_download_onebyone.bat** to download the program to the PLC.

6. Check command line download history.

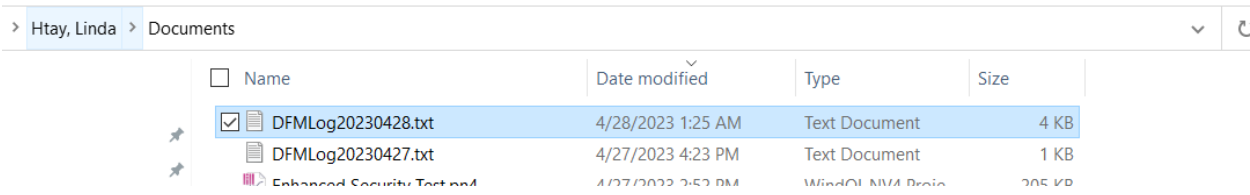
- Use **Data File Manager (DFM)** to view the download history.



- Select the **Options** icon, then choose **Command Line**.
- The history is saved as a .txt file in the specified directory.



Below is an example of the **DFMLog** file:



The screenshot shows a Windows File Explorer window with the address bar displaying '> Htay, Linda > Documents'. The main area contains a table of files:

<input type="checkbox"/>	Name	Date modified	Type	Size
<input checked="" type="checkbox"/>	DFMLog20230428.txt	4/28/2023 1:25 AM	Text Document	4 KB
<input type="checkbox"/>	DFMLog20230427.txt	4/27/2023 4:23 PM	Text Document	1 KB
<input type="checkbox"/>	Enhanced Security Text.pdf	4/27/2023 3:53 PM	Microsoft Word Document	205 KB