

ROCIS Low-Cost Monitoring Project

Using a Mac to Download Dylos Data

Three Steps

1. Download software from the internet
2. Connect the Dylos
3. Start the download!

Step 1. Download software from the internet

NOTE: You must download and install both software to complete the Dylos download.

- A. Software for “Serial to USB” Cord (aka the Dylos Download Cord)

Download the serial to USB drivers from Prolific (PL-2303) here:

<http://prolificusa.com/pl-2303hx-drivers/>

Note: You will need to know what Mac Operating System (OS) you are running.

To find your OS, go to the upper left hand corner of your screen, click on the “apple” symbol choose “About this Mac”.

1. Download the Driver file for your OS.
2. After to download finished, unzip (open) the file and follow the instructions.

- B. Software for “Terminal” (aka the Downloader)

Download the ZOC7 serial to USB terminal software here:

<https://www.emtec.com/zoc/index.html>

1. Click on “DOWNLOAD ZOC”
2. Click the button to start download.
3. Unzip (Open) the download, follow the instructions to install.
4. After to download finished, unzip (open) the file and follow the instructions.

Step 2. Connect the Dylos

- A. Turn off the Dylos device
- B. Using the power switch on the side, turn off the device.
- C. Connect the Dylos to your computer
- D. Using the “Dylos Download Cord”, connect the Dylos to your computer’s USB port.
- E. *Note: Connect each Dylos separately. Do not connect more than one Dylos to your computer at one time.*
- F. Turn on the unit
- G. Using the power switch on the side or the on/off button on the front, turn on the device.

Step 3. Start the download! Connect to the Dylos unit

- A. Open the ZOC7 software
To find this software, open your computer’s finder and browse to the bottom of your apps folder, or search for “ZOC7”.
- B. A “quick connection” window will pop-up. Configure it as follows:
 - a. In the *Connect to* field type “serial”

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- b. In the *Connection type*, select “Serial/Direct”
 - c. In the *Emulation*, select “TTY”
 - d. Click *Configure* next to *Connection type* then checkmark the “override” in the pop-up window. Select the following options:
 - i. For *Com-Port* click scan. A list of options should appear, one of which will look like “/dev/cu.usbserial” – select that option and click OK
 - ii. Change the options to select “9600” “8N1” “RTS signal off” “DTR signal on” and leave everything else the same.
 - e. Click OK, then click Connect. You should get a “CONNECT TO serial” confirmation in the main screen.
- C. In the top menu bar, choose *Logging*, then *Set Logfile name* and specify what you will call the file and where you will save this download data.
- D. To download the data, follow the same instructions Dylos gives for using PuTTY...
- a. Type a capital “D” followed by ENTER.
Note: If you are having difficulties experiment using the Caps Lock key vs. holding Shift to enter your capital “D”. Also, try varying your typing speed, i.e. Press D, wait 1 second, Press ENTER, or Press D, wait 3 seconds, Press Enter. It may take a few tries.
Note: the “D” will not be shown on the Computer’s terminal screen, but it will be transmitted to the Dylos device.
 - b. Once the user has done this, the DC1700 will respond with the date and time, followed by the minute history. *It will look something like this:*
08/07/16 20:01, 890, 78
08/07/16 20:02, 1051, 90 etc.
 - c. Once all of the data has been downloaded, click *Disconnect* to close the Dylos download session.
Note: You will know the Dylos is done downloading if you notice:
 - *The downloads have stopped*
 - *The last download is at the current time or the time when the Dylos was last turned off.*
 - *A new download appears without a date (This is this minute’s reading)*
 - d. Using your computer’s search bar, find the file that you just named in Step C. Open the file in Notepad or Explorer, to ensure that the file is populated with your Dylos history. It should be in the 100-400 KB size range depending on how many days of data were uploaded.
*Note: Putty will automatically create a file to store your downloads unless you specify them to be saved somewhere else. To view this file, click *Logging*, and then select *Show Logfile Folder* to find your file.*