

AE33 setup for automatic file export for SoFi RT

This document has been generously provided by Dr. Manousos Manousakas.

AE33

- 1) Use a standard serial cable with null modem adapter and a USB to Serial Adapter to connect one of the COM ports (COM1 or COM2 or COM3) of the AE33 to a PC/Laptop's USB port.

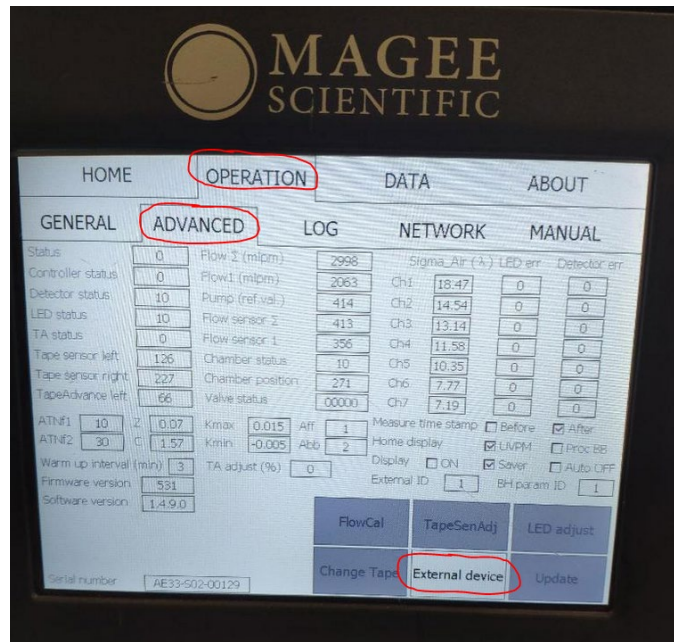


Serial cable with null modem adapter

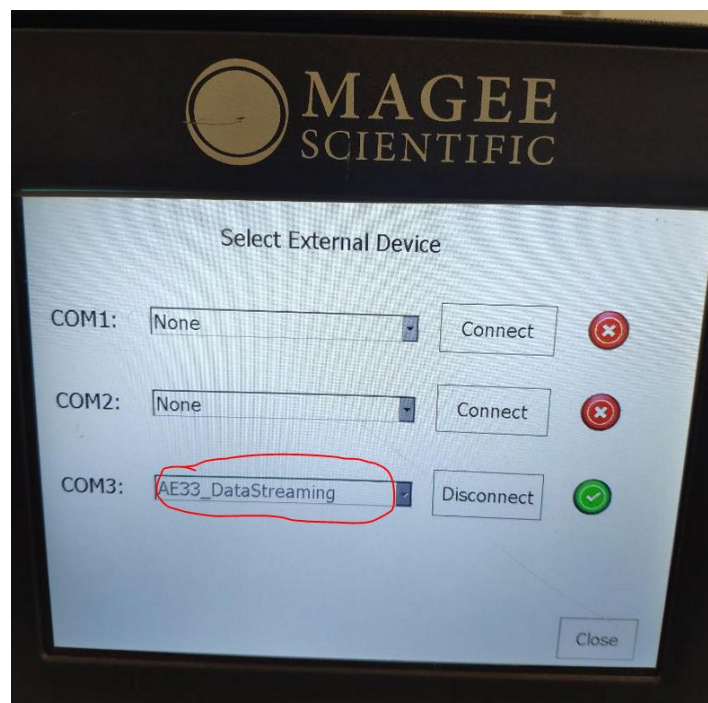


USB to Serial adapter

- 2) In the AE33 menu in the instrument go to Operation/Advanced/External device

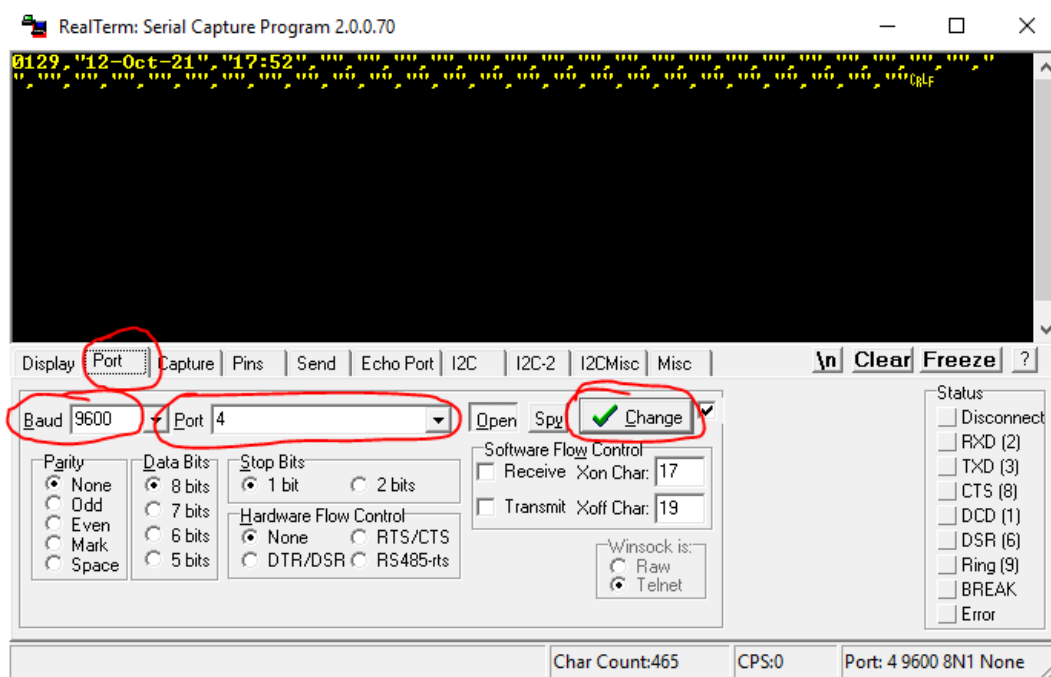


- 3) On the **External device** menu, set the connected port of the AE33 to the **AE33_DataStreaming** option. The connection indicator should turn green, which means that the instrument is successfully transmitting data. If the option is not available the AE33 firmware needs to be updated to a newer version. **IF THAT IS NECESSARY**, please use the files in the "AE33 Firmware" folder provided; otherwise, ignore

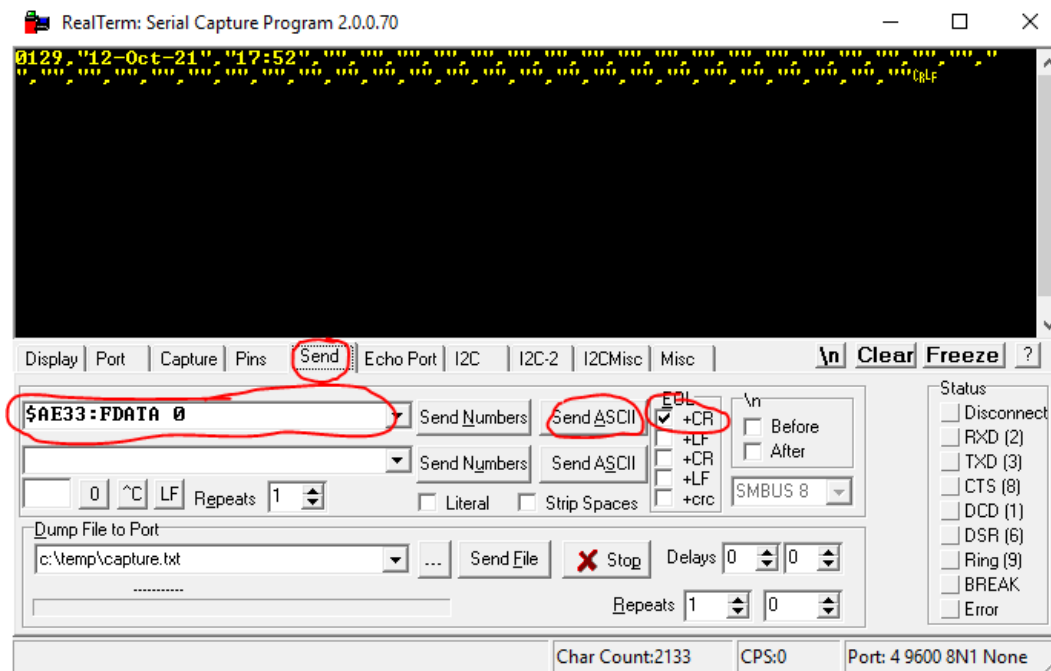


- 4) Use the provided Realterm_2.0.0.70_Signed_Wrapper_setup.exe file to **install RealTerm Software to the PC** connected to the AE33

- 5) Open the RealTerm Software go to **Port** menu and **select the port the PC uses to connect to AE33**. Then set the **baud rate to 9600** and press change

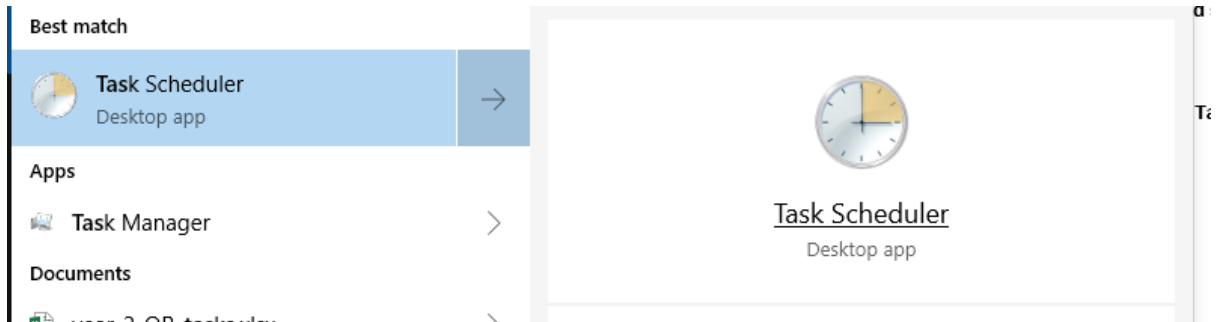


- 6) Go to Send and write "**\$AE33:FDATA 0**", select the "**+CR**" and then press "**Send ASCII**".

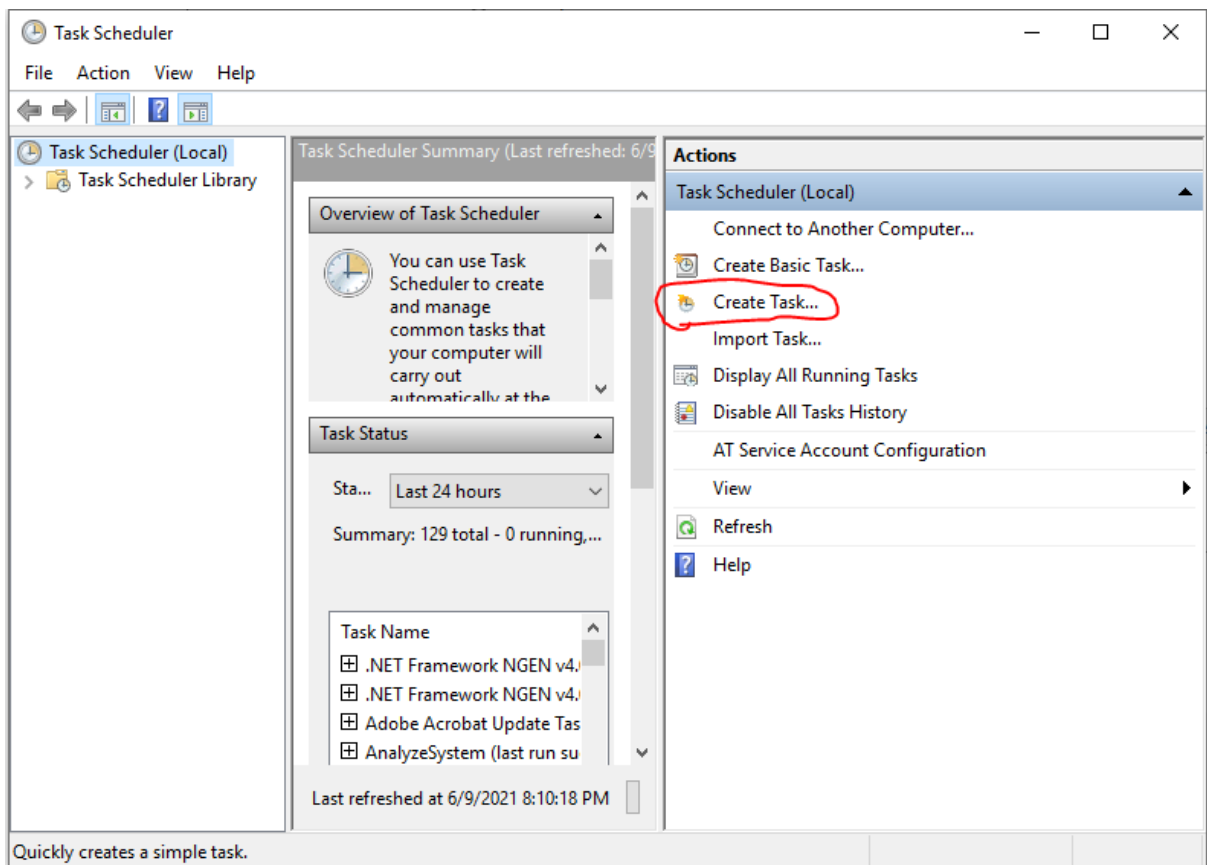


Example on how to create a Task

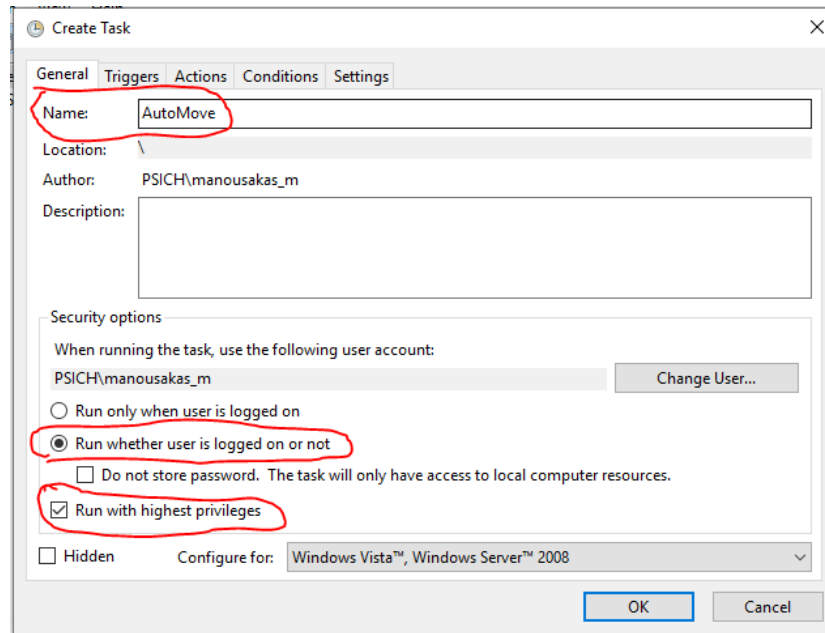
1) Open Windows Task Scheduler app



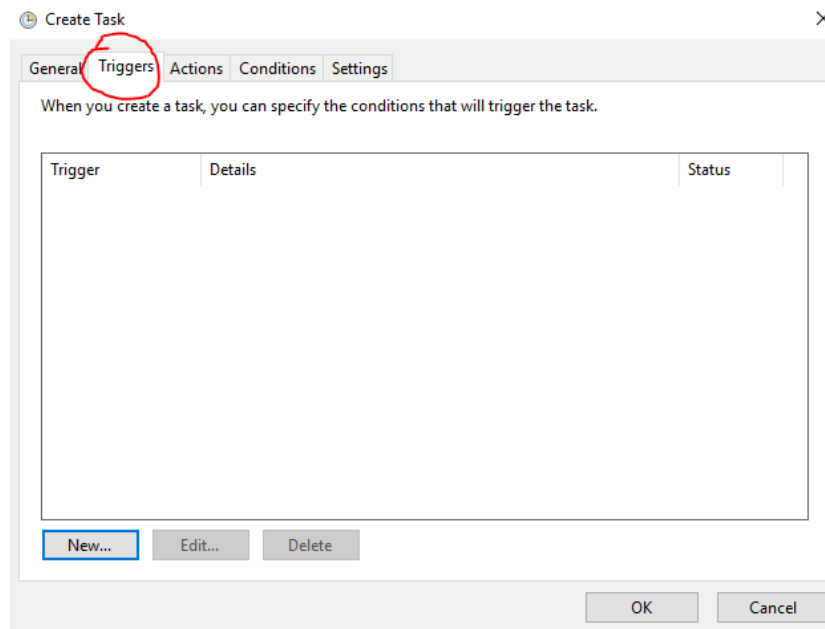
2) Press Create Task



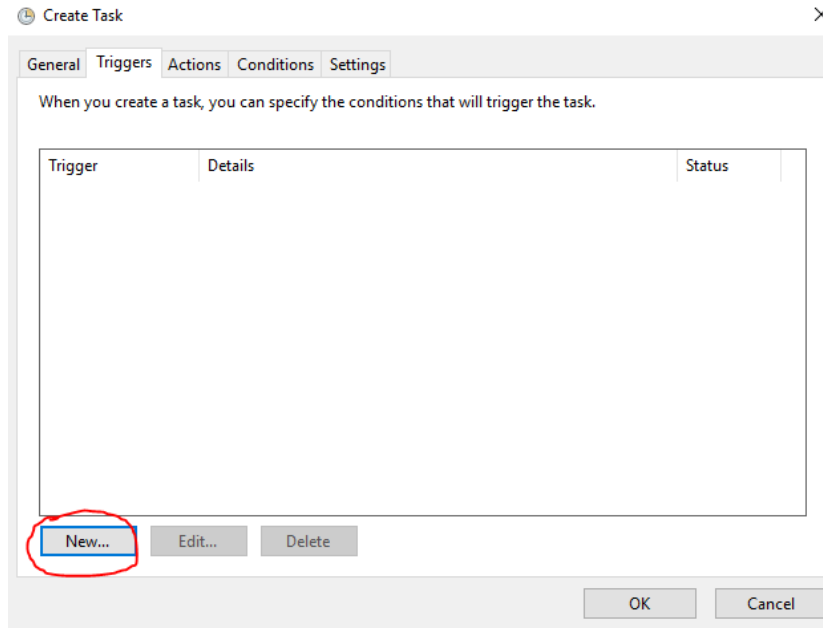
- 3) Give a **name to the Task**, e.g. AutoMoveACSM, select the option “Run whether user is logged or not”, and “Run with highest Privileges”.



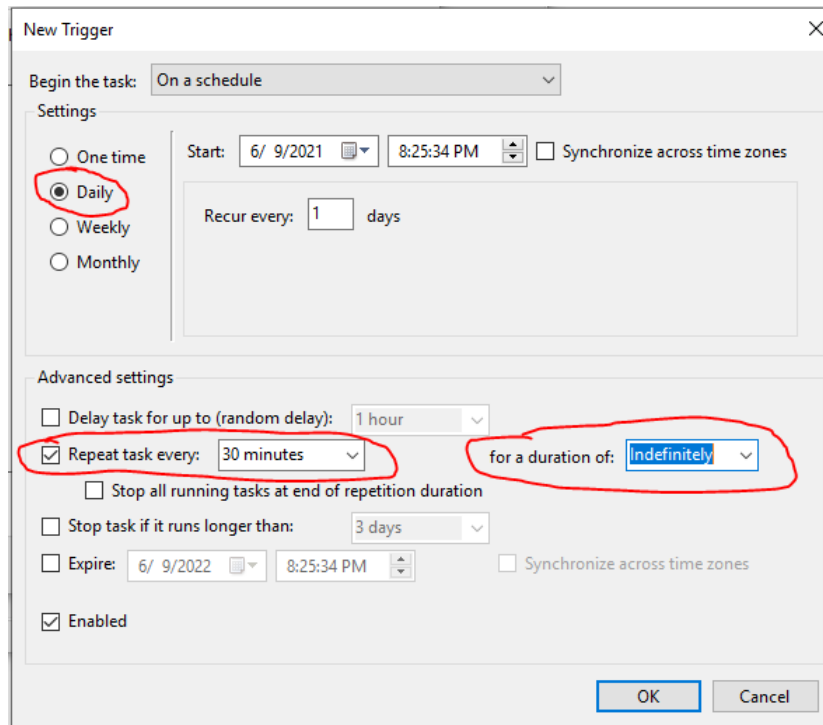
- 4) Click Triggers to open the Triggers tab



5) Click New to create a Trigger



6) In the settings, select the frequency to trigger the task: Daily, Repeat task every 30 minutes, for a duration of indefinitely



- 7) **Set up the time** when the task will be triggered (e.g. 10 minutes after the current time), then click ok to finalize the trigger settings

New Trigger

Begin the task: On a schedule

Settings

One time

Daily

Weekly

Monthly

Start: 6/ 9/2021 8:25:34 PM Synchronize across time zones

Recur every: 1 days

Advanced settings

Delay task for up to (random delay): 1 hour

Repeat task every: 30 minutes for a duration of: Indefinitely

Stop all running tasks at end of repetition duration

Stop task if it runs longer than: 3 days

Expire: 6/ 9/2022 8:25:34 PM Synchronize across time zones

Enabled

OK Cancel

- 8) Click **Actions** to connect an action to the trigger

Create Task

General Triggers **Actions** Conditions Settings

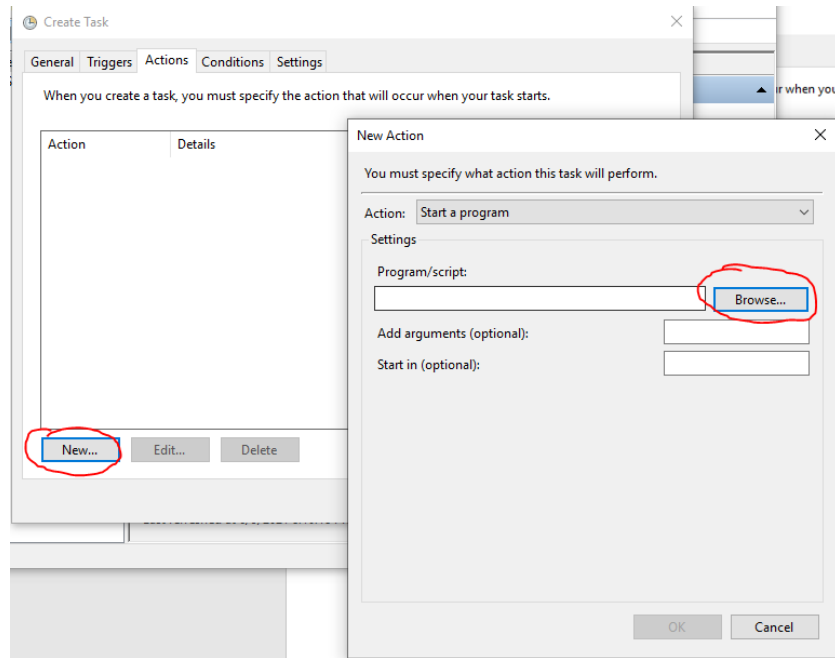
When you create a task, you must specify the action that will occur when your task starts.

Action	Details
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New... Edit... Delete

OK Cancel

9) Click **New** and then **Browse** and find and load the .BAT file previously created



10) After the .BAT file is loaded click **OK** to save the new action

