

DAMSystem3 QuickStart Guide

1. Locate a Macintosh 10.7+ or Windows 7/8/10 desktop or laptop PC which can be dedicated to data collection. An entry-level machine with a USB port will suffice, either 32 or 64 bit.
2. Place the computer adjacent to the experimental chamber, and if backup power is available, connect the computer to it.
3. Download the USB Drivers zip archive from trikinetics.com, extract the contents, and follow the Read Me instructions to install the appropriate driver.
4. Download and extract the appropriate DAMSystem3 application from trikinetics.com and save it in a folder on the desktop. (Include the Libs folder if Windows.)
5. Set the system preferences to inhibit sleep of the computer.
6. Launch the DAMSystem3 application, click Preferences, and click Serial Port. (MacOS may require approval in System Preferences:Security&Privacy.)
7. Plug the PS9-1 power supply into a wall outlet using a line cord, and plug the round connector into the PSIU9. Verify that the green light is on. Plug the USB cable into the PSIU9 on one end and the computer on the other.
8. Click Serial Port again in Preferences and watch for a new entry - this is the port for the PSIU9. Click this entry and it should turn from gray to black indicating successful selection.
9. Click Current Data and verify that the yellow light on the PSIU9 is flashing.
10. Select the Monitor Range and Reading Interval in Preferences. Change these settings by clicking on their upper/lower half to increment/decrement.
11. Connect the activity monitors to the PSIU9 with phone cables, using 5-way splitters to expand the network as necessary. Use a single long cable and coupler to connect the PSIU9 to the inside of each incubator; then connect one or more splitters in series to the coupler, and short cables from them to the monitors.
12. Select Current Data and Status All and verify that as the monitors are connected the status boxes turn from red to green.
13. Click Help for additional information, or consult the User's Guide.

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