WaveRunner Xi-A Series Oscilloscopes: Saving Data and Settings

The LeCroy Waverunner oscilloscopes currently available in the lab, 104 Xi-A, and 44Xi-A, are capable of saving setups and compiled data, as well as exporting said information for later use or further analysis. This process is outlined in detail within LeCroy's *Getting Started Manual*, with the respective page numbers listed next to each section below.

Saving Oscilloscope Settings [67-70]

This function allows the user to save every setting of the oscilloscope setup, such as the parameters for each channel, and additional functions displayed on screen. This is particularly useful for alternating setups or continuing data collection after a different team.

Saving Instructions:

1. Select the **File** drop down menu, and select **Save Setup**.
2. Select **Save** on one of the six setup slots underneath "Save to Internal Setup"; the date of this selection will be listed next to the setup number, signifying it was saved successfully.
3. Change the name of the setup by clicking and renaming the corresponding **Panel#**.
4. If the setup needs to be exported, refer to the "Save to File" Section located to the right of "Save to Internal Setup".
5. Select **Browse**, and select the appropriate location within the User Data disk partition. When changing the name of the file, do not erase or change the file type ".lss".
6. Select **Save Now!**

Recalling Instructions:

1. To recall setups saved in the Internal Setup section, select the File drop down menu, and select **Recall Setup.**
2. Select **Recall** next to the desired **Panel#** or name of the setup.
3. To access/recall an imported setup, go to the "Recall from File" section and select **Browse**.
4. Select the desired .lss file, then select **Recall Now!**

Saving Waveforms and Data [70-73]

This function allows the user to save certain information from channel or function inputs as a compilation of data to the drive. This is particularly useful to save and export data for further processing.

Saving Instructions:

1. Select the File drop down menu, and select **Save Waveform**
2. Beneath the "Save To" section, select **Memory** to save the data within the oscilloscope.
3. Select **Source** and select the channel or function that serves as the data input to be saved.
4. Select **Destination** and choose from M1-M4 to save within the oscilloscope.
5. Alternatively, select **File** underneath the "Save To" section to save data in the form that can be exported.
6. Similar to step 3, select **Source** for the data input.
7. Select **Format** for the program or way in which the input data will be saved.
8. Select **SubFormat** to detail further how/what portions of the data input will be saved.
9. Select **Trace Title** and change the name of the file. Do not finish the name of the file in a number, instead, use a letter. Ex) "Histogram.03.23.2021a" as opposed to "Histogram.03.23.2021"
10. Select **Browse** for appropriate location within the User Data partition, then select **Save Now!**

The oscilloscope has a feature to autosave, but it is advisable to keep this feature turned off, as the amount of data can quickly fill the entire available disk space.