

Raspet Flight Display: Instruction Manual

Version Info: Version 1.0.0

Update Released: 08/23/2019

Manual Version: 2 (Compatible with Version 1.0.0 as of 08/23/2019)

Operating System: Version 1.0.0 is compatible with all versions of Windows 10, Windows 8, and Windows 7.

Description: Raspet Flight Display is designed to provide Flight Operation crew members with near real-time data on Tiger Shark flight surfaces and rates of movement. Raspet Flight Display provides a continuously updated Heads Up Display (HUD) of each parameter, as well as the relation between the parameters value and the user's defined limitation of each parameter. Raspet Flight Display gives the user the option to record the values of each parameter throughout the program's execution to a log file of its own. As well as the option to toggle a set of the values as important in the log file.

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REPORTING

Please report any bugs or other issues discovered at any point in using this program so they may be fixed, and an update issued. Please be as specific as possible and include as much information as applicable. Including the limits in-use when the issue occurred, the Piccolo log file (if able to provide it), and the Raspet Flight Display log file if it exists.

Report issues to Mark Hodge

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INSTALLATION

1. Download the program from [<https://github.com/Mark-Hodge/Raspet-Flight-Display>] or copy it from a USB drive.
2. Once download or copy is complete, save the program in the directory of your choice.

NOTE: Necessary program files should consist only of Raspet Flight Display.exe and files should not be downloaded from an unverified source.

CONFIGURATION AND OPERATION

Overview:

1. Run Raspet Flight Display.exe
2. Select the Piccolo Log File Required
3. Select log file to save output to Optional
4. Define Limits Optional
5. Start Program
6. Change Limits during execution Optional

Elaboration:

1. Run the Raspet Flight Display exe file (double click or Right Click > Open).
2. Select the Piccolo Log File you wish to use (File > Open > *navigate to desired file*).
3. **Skip to Step 4 if you wish to continue without logging the output.**

Create a log file that Raspet Flight Display will write to (File > New Log File > *navigate to the directory you wish to save the file in and create a new '.csv'*).

NOTE: It is easiest to create the log file by Right-Clicking in the File Dialog Window, selecting new Text Document. Then change the extension from '.txt' to '.csv'. This saves the user from having to create the log file outside of the program, and then navigate to it again.

4. Skip to step 5 if you wish to continue without defining limits.

Select the Define Limits option (File > Define Limits). Then enter the desired values for position and rate parameters.

NOTE: Position limits in degrees and Rate parameters are in degrees/seconds

5. Left-Click the 'Start' button in the top right corner of the screen.

NOTE: The button will be disabled until Step 2 is completed.

6. Raspet Flight Display will execute and continue until the user stops or exits.

Limits can be changed during operation, but the 'Start' button must be Left-Clicked after changes are made.

NOTE: Visual updates may stop while changing limits but will still be saved in the log. Once the 'Start' button is clicked again, program will resume at the most recent data from Piccolo.