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## **SNAP-IN<sup>™</sup> Weather Station INSTRUCTIONS**

### **Adds On to the *Eliminator 2000***

(your Eliminator 2000 may require an upgrade -- call Tech for Info)

This instruction guide will help you understand the features of the new Snap-In<sup>™</sup> Weather Station and how to maximize the information that it provides.. You must have a Portatree Eliminator 2000 which is Weather/Race Logging compatible. The weather station must be attached to the back of the Eliminator 2000 using the mounting pads and screws provided. The short telephone style cable is connected to the serial port that is on the top right side (not center serial port) of the Eliminator 2000 and to the weather station.

The run information capacity of the Eliminator 2000 is over 150 runs. It is dependent on the weather information that has been stored (logged). We suggest that you erase old weather data as soon as it is no longer any use. You must maintain your Eliminator 2000's memory by using the Flash Maintenance and Recover Flash functions to repack and free up memory for Run storage. When you get over 150 stored runs, it is suggested that you delete runs that are no longer representative of the race vehicle's performance. You can use the optional P.C. software to download the info from the Eliminator 2000 so you can edit, delete, and renumber the run information so that you can reload the Eliminator 2000 with all of the current run information.

Start up the Eliminator 2000 and use the "UP" arrow key to highlight Race/Wx Logging and then press the "STAGE/Enter" Key. If you don't see Race/Wx Logging call the Tech Help # above. The Eliminator 2000 attempts to connect to the Weather Station and check the Calibration Values. If the Snap-In<sup>™</sup> Weather Station is not connecting to the P.C. you will see "No Cal Match 01" on the screen. If it is not calibrated "No Cal Match 02" will appear and you will have to go to the calibration menu and enter the calibration values that are located on the side of your Snap-In<sup>™</sup> Weather Station. Depress "3" at the main menu for "Weather Logging" and then depress "6" for Calibration and "3" for Entering Calibration values.

After connecting, you must enter the correct date and time if you intend to log and save weather. Depress key "2" and enter the month, day and year depressing the "Stage/Enter" key after each entry. Enter the time by depressing the "2" key and then the hour, minute, followed by the "Stage/Enter" key and then use the "up/down" arrow to select AM or PM and use the "Stage/Enter" key.

You will now be at the Main Weather Menu. Use the "Down" Arrow key to view the entire menu options:

- |   |                   |                                       |
|---|-------------------|---------------------------------------|
| 1 | Return to Elim    | Returns to Eliminator Main Menu       |
| 2 | Current Wx        | Allows you to review Current Weather  |
| 3 | Weather Logging   | Log and Save Weather -- Match to Race |
| 4 | Race Logging      | Enter Information from time slip      |
| 5 | Flash Stats       | Review how much memory is left        |
| 6 | PC Link-Up        | Connection to Personal Computer       |
| 7 | Flash Maintenance | Clear old Weather Data                |
| 9 | Redo Date/Time    | Reset or Correct Date and Time        |

If you select any Menu Item 1 through 9 above you use the Stage/Escape Key to return to the Main Weather Menu above.

### Select Menu Item 3 to enter Weather Logging Menu:

- 2 Log and Save      Depress "Enter" then Use Up or Down Arrow to select time interval and Eliminator will automatically start logging weather data every (x -time you selected) minutes. Depress "9" and then "2" to exit.
- 3 Erase Wx Data      Erases all Weather Data
- 4 Match to Race      Use this item to review weather data and match race time to weather time. Use the Up and Down arrow keys to review the data and use the "6" key to flag the weather information so that race data can be entered. After flagging weather data, you must immediately proceed to enter your race information of the flag will be removed.
- 5 Wx Stats      Used      0 / 22      Weather frames used/ total frames used  
                   Free      490      Total Free Frames  
                   Killed      0      Erased Frames

NOTE: A frame is a memory storage area. Weather takes 1 frame, Race data takes 2 frames, and Calibration takes 1 frame. You can easily save over 150 races (300 frames) and still have enough space for weather data. When the killed frames become too large, you must go to the flash maintenance menu item to recover your memory.

- 6 Calibration:    2    Show Calib -- This item displays the current calibration  
                       3    Enter Calib -- This item allows you to enter a calibration

## Select Menu Item 4 to enter Race Logging Menu:

2 Enter Race                      Enter Race data from time slip  
You must already have a weather frame flagged and then you can enter the race information from your time slip. The date and time are the time that the weather was flagged and the race # is automatically indexed from the data already entered. You will then be prompted to enter the Car and Track which can be any value from 1 to 255. You can get creative and use the first column for 2 vehicles, the second column for 5 changes and the 3<sup>rd</sup> column for 5 changes. If you attempt to sort by track or vehicle number in the P.C. program, these additional values will make your sorts invalid. The Eliminator prompts you for all of the race data from the time slip and you can use the number pad and arrow keys to enter data. Once the data is correct, use the Stage/Enter key to save the data and the Stage/Escape key to go back one field (in case you make a mistake). At the end, you will be prompted to save to memory or escape to lose the information.

3 Rfu                                  Reserved for Future Use

4 Show Races                      Sorted by:  
  2     Entry Order -- Displays in order entered  
  3     Track            -- Displays by track number  
  4     Corr Alt        -- Displays by Corrected Altitude

Use the up down arrow to review the Different Runs. Use the Left/Right Arrow to Review all of the run data and weather data. This helps determine what your vehicle will run based on weather conditions as well as track conditions. You make the decisions based on total run performance.

5	Race Stats Used	20 / 22	Race frames used/ total frames used
	Free	490	Total Free Frames
	Killed	0	Erased Frames

NOTE: A frame is a memory storage area. Weather takes 1 frame, Race data takes 2 frames, and Calibration takes 1 frame. You can easily save over 150 races (300 frames) and still have enough space for weather data. When the killed frames become too large, you must go to the flash maintenance menu item to recover your memory.

## Select Menu Item 5 to Review the Flash Stats

Flash Frame Stats:	Depress Stage/Escape to Return
Used:	22
Free:	490
Killed:	0

## Select Menu Item 6 to Connect to Personal Computer

PC Linkup

Depress Stage/Escape to Return

The connection to the Personal Computer will automatically be completed when you run the P.C. software program. You must see PC Linkup on the screen before you attempt to transfer files from the PC.

## Select Menu Item 7 to Clear and Save Memory

Maintenance

- |   |                |  |
|---|----------------|--|
| 2 | Flash Status   | Reviews the current memory used  |
| 3 | Free all Flash | Deletes all information including race data and Weather Calibration values. Be Careful !!  |
| 4 | Recover Flash  | Saves all Race Data and removes all killed frames. Provides a new area to load additional race and weather information. Does not delete any information. It only restructures the information in a new memory area in the Portatree Eliminator 2000. |

## Select Menu Item 9 to Re-Enter the Date and Time

The most important thing that you get out of the Snap-In<sup>™</sup> Weather Station is all of the run and weather information in one location that you can scroll through and make a decision on the E.T. that the vehicle will run at a certain weather condition. Even runs where the vehicle spun tires at the start line or where the vehicle was shut off early can be used in part to help determine the E.T. potential the vehicle has at a certain weather condition.

Optional P.C. Windows '95/'98 P.C. software will make organizing the information at home very easy. You will be able to connect to your Personal computer and take full advantage of the P.C.'s power to sort, save, edit, renumber, and reload your Eliminator 2000 with race data pertaining to your vehicle. There is no better way to save and store your valuable race information.