



ENHANCED DYNOJET RUNVIEWER USER GUIDE

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ENHANCED DYNOJET RUNVIEWER

This document provides instructions for using the Enhanced Dynojet Runviewer (Runviewer) software. This software is available from Dynojet with no purchase fee and can be downloaded from the Dynojet web site. Please read the license agreement, found on the inside of the cover, carefully.

Runviewer allows you to view automotive, motorcycle, ATV, and snowmobile runs from your home computer giving you the ability to compare runs against each other and view their notes. The Runviewer interface window is designed to be user friendly and intuitive. Once you understand the basic layout, it will be easy to view information efficiently.

This manual will walk you through the Runviewer software giving you an overview of the various features and commands, menu choices, and other important information.

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SYSTEM REQUIREMENTS

Runviewer requires the following minimum system requirements (some requirements are to be determined):

- Microsoft® Windows 95/98/ME/NT 4.0 or later/2000 (to be determined)
- 250 MHz Processor
- 16 MB of available RAM for Windows 95/98/ME
- 32 MB of available RAM for Windows NT 4.0
- 64 MB of available RAM for Windows 2000
- mouse and keyboard
- 800x600 VGA monitor
- 16 bit color
- printer, if hard copies are needed

CONVENTIONS USED IN THIS MANUAL

The conventions used in this manual are designed to aid the user.

convention	use
Bold	Highlights items you can select on in the software interface, including buttons and menus. Indicates a keyboard command. For example, “press U ” means “using the keyboard, press the letter U.”
▶	The arrow indicates a menu choice. For example, “select File ▶ Open ” means “select the File menu, then select the Open choice on the File menu.”



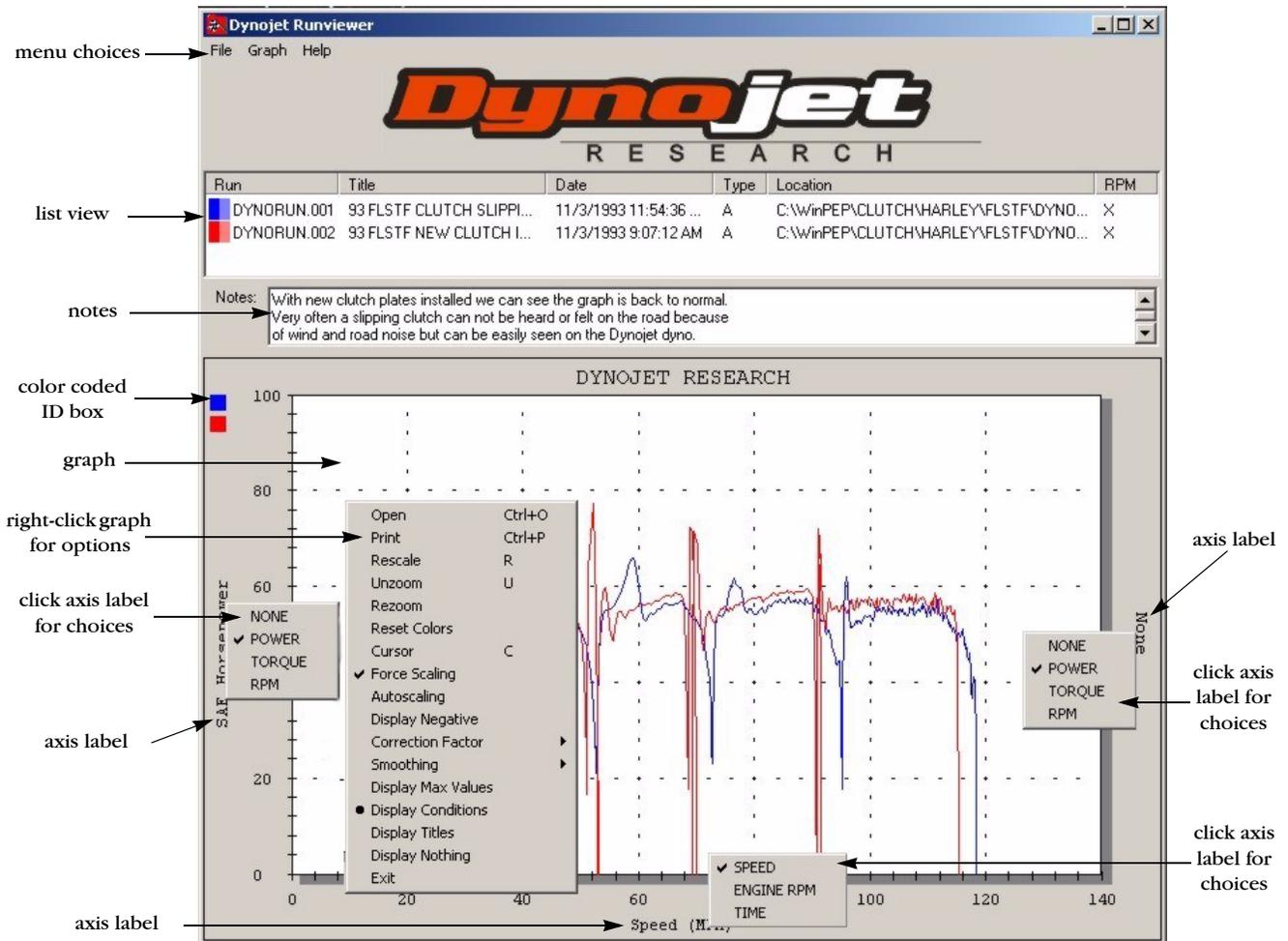


SOFTWARE FEATURES

MAIN INTERFACE WINDOW

Many of the software features can be accessed from the menu choices at the top of the Main Interface window, by right-clicking on the graph, or by clicking on the buttons. A description of all window functions and displays follows.

Note: Several menu commands can also be accessed using the keyboard shortcuts displayed to the right of the command.



Axis Labels—Clicking on the axis labels allows you to select which channels to graph on that axis.



FILE MENU

Select **File** ► **Open**

Open allows you to browse to any directory containing run files and select files for viewing. Up to three files may be viewed at a time.

Additional ways to open files:

- Drag and drop the file from windows explorer onto the viewing area.
- Drag and drop the file directly onto the Runviewer executable file or shortcut.
- Right-click the file name and select **Send To** ► **Dynojet Runviewer**. This will automatically open the file and a copy of Runviewer.
- The File menu also contains a list of the last five directories and ten files that have been accessed which may be used as shortcuts.

Select **File** ► **Printer Setup/Print**

These commands may be used to print simple output of the graph. Note that the Conditions will always be printed. Be sure to set the paper orientation to landscape in the printer setup.

Select **File** ► **Exit** to exit Runviewer.

GRAPH MENU

Select **Graph** ► **Rescale**

Rescale resets the scale of the graph to standard.

Select **Graph** ► **Unzoom**

Unzoom returns the viewing area to the previous magnification.

Select **Graph** ► **Rezoom**

Rezoom will redo the last unzoom operation.

Select **Graph** ► **Reset Colors**

Reset Colors resets the colors of the lines used to graph each run to their defaults.

Select **Graph** ► **Cursor Font**

Cursor Font allows you to select the size of the numbers (small, medium, or large) displayed by the vertical graph cursor.

Select **Graph** ► **Cursor**

Cursor turns the vertical cursor on and off. The cursor may be placed with a mouse click on the graph, and the arrow keys (optionally in combination with the CTRL key) move the cursor left and right.

Select **Graph** ► **Autoscaling**

Autoscaling toggles autoscaling on and off. Some graph operations will reset this option.

Select **Graph** ► **Display Negative**

When Display Negative is toggled on, all data is displayed. When off, the data is cut off below zero and only positive data will be displayed.



**Select Graph ► Force Scaling**

Force Scaling forces left and right vertical scales to the same value. Some graph operations will reset this option.

Select Graph ► Correction Factor

Correction factor allows you to select the correction factor applied to the data.

Select Graph ► Smoothing

Smoothing allows you to select the level of smoothing to be applied to the data.

Select Graph ► Display Max Values, Display Conditions, Display Titles, Display Nothing

Selecting one of these options determines what will be displayed on the graph. When printing the graph, note that the Conditions will always be printed.

HELP MENU

Select **Help ► About** to bring up a very simple About form.

Select **Help ► View Readme.txt** to read the help file for the Runviewer.

LISTVIEW FUNCTIONS

Select an entry from the list by clicking it. The data channels of the selected run will be highlighted and associated notes will be displayed.

Double-clicking on an entry or selecting an entry and pressing **Delete** will remove it from the graph.

ADDITIONAL GRAPH FUNCTIONS

Clicking and dragging on the graph selects a zoom box. Press **U** (Unzoom) to zoom back.

Clicking and dragging on any axis zooms in and out on that axis only.

Clicking on the axis labels allows you to select which channels you want graphed on that axis.

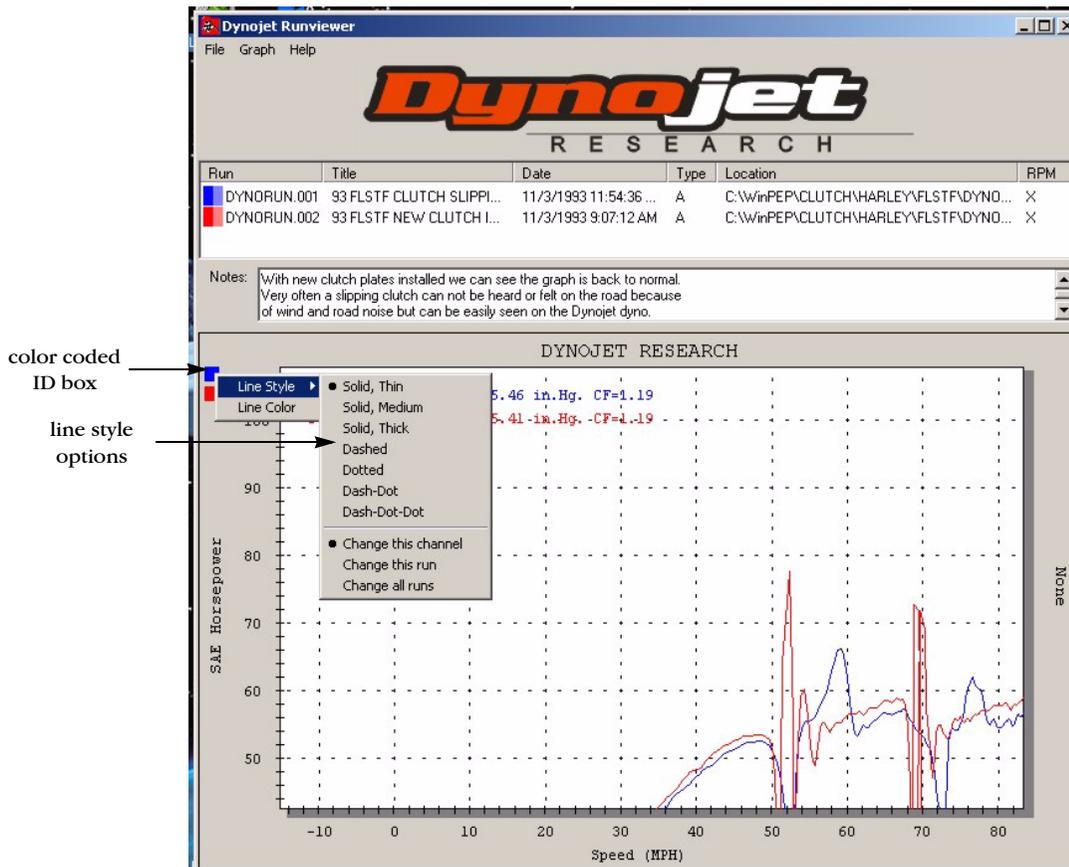
Data Channels and ID Boxes:

- Each line has an ID box associated with it. Clicking on the ID box highlights the line associated with it.
- Clicking on a line highlights that line.
- CTRL-clicking lines or ID boxes highlights multiple data channels.



- Several functions are available from the menu accessible by right-clicking the small ID boxes associated with each data channel. These boxes are color coded according to the data channel they are associated with. Right-clicking on an ID box brings up the Line Style and Line Color options.

Line Style—allows you to choose the style the data channel will be graphed in (dotted, dashed, solid, etc., and thickness, useful if you print to a black and white printer). The line style options are available for setting the line style for the single data channel, all displayed data channels for the run, or all displayed data channels in all runs.





Line Color—opens the Color Selection dialog box. The Color Selection dialog box allows you to choose which colors will be used to graph each data channel. A dozen combinations of colors are provided, in both light and dark shades. The first three (blue, red, and green) are used by default. You may choose any other combination by left-clicking (to choose the left axis color) or right-clicking (to choose the right axis color) on the color combination boxes. Choose more specific colors by clicking on the large color selection boxes (showing your current choice for colors). Use the lighter/darker boxes to make either the left or right axis colors either lighter or darker than their opposite. Colors that are currently in use will be disabled and may not be selected. Click **Reset** to undo your color choices, click **Ok** to approve your selection, or click **Cancel** to cancel.

- If you make a mistake assigning colors, just click **Reset Colors**, available on the Graph menu, to reset all graph colors to their defaults.

