

Eliminator Next Gen

Instruction Manual

Introduction:

The *Eliminator Next Gen* Practice Tree brings reaction time training to the next level with an easy to use full-color, touchscreen display and new, cutting-edge features. Press/touch the buttons on the display to explore.

Main Menu:

After startup, the *Eliminator Next Gen* will enter the Main Menu. Press the right/left arrow buttons to move through the menu. Swiping the screen also moves to the next menu item. Press the menu item to use that feature.

Practice: Practice reaction time

Display: Tree cycles in pro/full tree display

Test Track: Call Portatree for more information

Setup: Set Display/LED brightness or restore unit to factory defaults

Power On/Off:

From the Main Menu:

Power Off: Press and hold the Right and Left Stage buttons on the front of the *Eliminator*

Power On: Press and hold the Right Stage button

On battery power, the *Eliminator* will turn off after 2 minutes without use.

Practice:

Use the Right/Left Stage buttons on the front of the *Eliminator*, the hand switches provided with the unit, Next Gen foot pedals, or Next Gen vehicle connections to practice reaction time. Accessories for the *Eliminator Super 2000* (and earlier *Eliminators*) are compatible with the *Eliminator Next Gen*, but a ¼" to ⅛" adaptor is needed.

Left/Right Dial-In: Touch the black box with red text to change the dial-in for each lane

Left/Right Delay Box: Touch the black box with green text to change the delay box in each lane

General Settings: Touch the "Settings" button to change general practice settings

- Swipe Screen left and right to move through the general settings
- Random Dial – Randomly selects dial for each lane
 - Dial Type: Choose between Random, Left First, or Right First
 - Left First – Left lane dialed to leave first (dialed slower than right)
 - Right First – Right lane dialed to leave first (dialed slower than left)
 - Random – Alternates between left and right lane leaving first
 - Dial Range: Range from which random dial-ins are selected
- Distraction Mode – Practice with distractions
 - Stage lights flicker (press again to full stage), deep stage, light flashes, etc
- User Mode – Select between Single and Dual user mode
 - Single Lane RT - Computer reaction time (or time to beat) in single user mode
 - Random Stage – When off, user must always stage first in single user mode
 - When on, computer may stage before the user in single user mode
 - Hit Both Lanes – When on, single user can react to the light sequence in each lane
 - After reacting to light sequence in user's lane, user must re-stage and react again to the tree sequence in the opposite lane. If user does not re-stage, the *Eliminator* will not capture a second RT (second RT will appear as 9.999)
 - Hit Delay – Time between the tree activating in each lane
- Auto Start – When on, applies auto start to dual-user mode
 - If user 2 does not stage within Auto Start Time of user 1, he will receive an automatic red light
- Stage On Time – Time for user to be staged before *Eliminator* considers him staged (NHRA/IHRA default)
- Stage to Start – Time from both lanes to be staged until tree activates (NHRA/IHRA default)
- Start Delay – Random time after Stage to Start for tree to activate (NHRA/IHRA default)
- Auto Reset – When on, tree automatically resets after a run.
 - When off, Reset button must be pressed to make another run

- Perfect Tree – When on, *Eliminator* uses 0.000 for a perfect reaction time
When off, *Eliminator* uses the tree speed for a perfect reaction time
- Top Bulb Lock – Applicable when Tree Type is set to Full Tree and Dial-Ins are used.
When on, the top bulb of both lanes will come on at the same time
- Win Lights – When on, the tree flashes the Pre-Stage and Stage lights in the winning lane
When off, the tree will not indicate a winner
- Real Red – When off, tree will show red to the first user that red lights
When on, tree will show red to the user who red lights worst

Left Lane Settings: Touch the left lane arrow to change left lane settings or log on

Right Lane Settings: Touch the right lane arrow to change right lane settings or log on

- Swipe screen left and right to move through right/left lane settings
- Press “Left Lane” or “Right Lane” to Log On
 - New User – Create a new user and select features for the user
 - Select User – Select between single user, dual user, or a log on user
 - Delete User – Delete a log on user
 - Edit Name – Edit logged on user’s user name
 - Log Off – Return to left or right lane settings
 - Cancel – No change to log on state
- Tree Type – Select Full, Pro, or Blocker tree
 - Blocker tree is full tree with the first and second amber bulbs not visible
- Tree Speed – Select tree speed from 0.100 to 0.900 (Default .500 Full/.400 Pro)
- Roll Out – Select roll out from 0.001 to 1.000 (Default .320 Full/.240 Pro)
- Dial-In – Select dial-in for the lane (0.00 to 30.00)
- Button Motion – Select Release, Press, or Press/Release
 - Release – Press hand switch to stage, release to capture reaction time
 - Press – Press hand switch to stage, press again to capture reaction time
 - Press/Release – Press and release hand switch to stage, press and release to capture reaction time
- Delay Box – Enter delay box time
 - Bump Value – Enter bump amount from 0.001 to 0.100
 - Bump Type – Select to bump up or down on button press
 - Cross Over – Turn on to enable automatic crossover calculation
 - Multi-Hit – Turn on to hit the tree twice (twice your tree)
- Shift Light – Turn on to enable, shift light feature
 - Shift Location – Shift light on *Eliminator* display or on top yellow amber of the tree
 - Shift Point 1 – Enter time for first shift light after reaction time captured
 - Shift Point 2 – Enter time after reaction time for second shift light
 - Shift Point 3 – Enter time after reaction time for third shift light
 - Shift Point 4 – Enter time after reaction time for fourth shift light
 - Note: Leave unused shift points set to 0.000

Statistics: Press the clipboard icon to view/store statistics

- View the last 50 reaction times in each lane
- Press “Stat” to view statistics for the lane (press again to hide)
 - Total runs, red lights, and wins
 - Average reaction time
 - Spread between the reaction times in that practice session
 - Average shift time (if shift light feature is used)
- Press “Clear” to clear the statistics for the lane
- Press “Save” to save the statistics for later viewing
- Press “View” to view or delete saved statistics

Help Mode: Press the question mark icon to enter help mode. The question mark will turn green.

Press and hold icons/buttons on the screen to learn more about the icon.

Press the question mark icon again to exit help mode.

Main Menu: Touch to return to the Main Menu

Display:

The tree will randomly cycle and display reaction times for show. It will alternate between Pro and Full Tree. It will also change between heads up and dial-in runs. Press the Main Menu button to exit.

Test Track:

Contact Portatree to learn more about purchasing a single or dual-lane test track. Test tracks -allow you to practice staging and learn the rollout of your vehicle. For more information, call Portatree at (508) 278-2499 or email info@portatree.com.

Setup:

Change the LED or Display brightness, enable an external display, or restore the Eliminator Next Gen to factory defaults.

LED Brightness: Touch and slide the bar to change the tree LEDs from max brightness to off

Display Brightness: Touch and slide the bar to change the Display from max to min brightness

LED Sign: Turn external sign on/off

Sign Type: Select between Portatree or Betabrite external sign

Defaults: Touch to restore all *Eliminator* settings to factory defaults

Test: Touch to test the inputs/outputs of the *Eliminator*

- Press the Stage buttons on the *Eliminator* and view Stage buttons on display changing
- Lights Mode:
 - Press and hold bulbs on the *Eliminator* and view tree lights turning on
- On/Off Mode:
 - Press bulbs on the *Eliminator* to turn lights on, on the tree. Press again to turn off

Computer Connection:

Download the connection software from www.portatree.com. *Eliminator Next Gen* connects to a computer using a standard Type A to B USB connection cable.

- Connect *Eliminator* to computer and open software.
 - *Eliminator* must be in the Main Menu to recognize the computer connection
- Click the “Connect” button
 - If successful, *Eliminator* will show “Computer Connected Do Not Disconnect” and program will show the *Eliminator* serial number and version
 - If an error occurs while connecting, click the “Setup” button and check the connection port
 - Open Device Manager
 - In Windows XP, go to Control Panel, select System, select Hardware, click Device Manager
 - In Windows 7, go to Control Panel, select “View by Small Icons”, click Device Manager
 - In Windows 8 and 10, right click the Windows menu icon and select Device Manager
 - Under Ports (COM & LPT) find “Communication Device Class ASF Example”
 - Type the COM number in the connection port box
- Once connected, you can upload an image to the *Eliminator* which will be displayed on startup
 - Click “Load” to select an image from your computer
 - Click “Send” to send the image to the *Eliminator*
 - Click “Show” to view the image on the *Eliminator* display
 - Click “Delete” to delete the image from the *Eliminator*
- Once connected, you can download or delete statistics files from the *Eliminator*
 - Click “Load” to download all statistics files from the *Eliminator*
 - Click “Delete” to delete all statistics files from the *Eliminator*
- Statistics
 - Click a statistics file from the list of file names to view the file
 - Click “Delete” to delete the file from the computer
 - Mouse over the graph to view the reaction times of the data points
 - Click “Overlay” and select a second file to graph the second file over the first file
 - Click “Export” to save the statistics file as a comma separated values (csv) file that can be opened in Excel