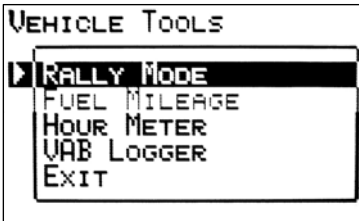


## Rally Computer Mode

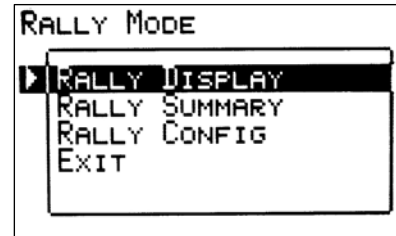


The Rally Computer is an operating mode that features all the tools required to effectively navigate through rally stages, off-road courses or even general point-to-point traveling. In the Rally Computer, time and distance are displayed prominently as they are the focus when rally racing.

The rally mode is designed so that the rally variables (stopwatch, trip-meters, and all calculations) are only performed when the rider is in the Rally Display view. If the user is in the Rally main menu, the summary mode, or the configuration mode, then no variables are updated.

The rally mode main menu has the following options:

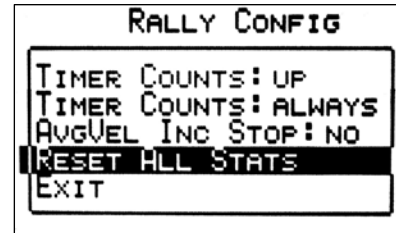
1. **Rally Display** – The main display for the rally mode. Features trip meters, stopwatch and more.
2. **Rally Summary** – Gives a summary of the rally statistics so far.
3. **Rally Config** – Configure rally specific options to customize rally mode preferences.
4. **Exit** – Return to the Tools Menu.



### Rally Configuration

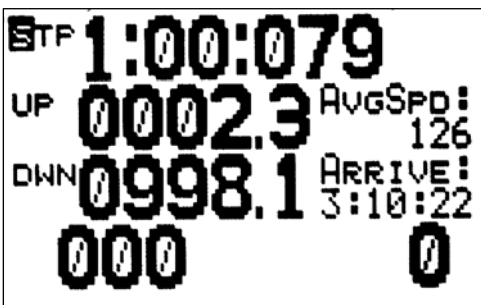
The rally configuration contains several options for customizing the operation of the rally computer functions.

1. **Timer Counts: up/down** – Specify whether the stopwatch timer increments or decrements in normal operation.
2. **Timer Counts: moving/always** – Set this to “moving” if the timer should only update if the vehicle is in motion. Set it to “always” if the timer should update when the vehicle is moving and stopped.
3. **AvgVel Inc Stops: yes/no** – Average velocity calculations can include the time when the vehicle is stopped or only calculate based on the time when the vehicle is moving.
4. **Reset All Stats** – Select this to reset all the counters, timers and rally summary statistics.
5. **Exit** – Return to the Rally Computer main menu.



### Rally Display

The rally display is the heart of the Rally Computer Mode. It contains all the trip-meters, counters and other rally calculations.



The mode consists of two screens, the rally display and the rally summary. You can toggle back and forth between the two screens by pressing and releasing both ENTER & MENU simultaneously. To return to the main rally menu, simply press and hold both buttons for 3 seconds.

The rally display screen is dominated by the stopwatch at the top and the two trip-meters in the middle. The bottom of the screen shows the current speed and gear. To the right of the trip-meters is a sub-display

that shows the average speed if the trip-meter is counting up, or the time to destination if the trip-meter is counting down.

The following key press combinations are used to control the rally display:

- **MENU Press** – Moves the cursor to the next option.
- **ENTER Press** – Toggles the option highlighted by the cursor
- **MENU Hold** – Brings up a window to pre-set the selected meter to a specific value.
- **ENTER Hold** – Resets the selected meter. Note: The Stopwatch and first/top trip-meter are always reset together. If you reset one of them, the other will automatically reset to zero as well.

- **ENTER & MENU Press** – Switches to the next rally display screen.
- **ENTER & MENU Hold** – Exit the rally display mode.

### Rally Stopwatch

To the right of the stopwatch is the control label. It defaults to “stp” which means that the timer is “stopped”. Press MENU to highlight the control label and press ENTER to toggle it. In the rally configuration screen you can configure whether the stopwatch only counts up or only counts down. Depending on the direction chosen, when you toggle the stopwatch control label it will toggle between stp and up, or stp and dwn.

If you press and hold the MENU key, a window will come up where the stopwatch value can be pre-set to any value you want. Press and hold the ENTER key to reset the stopwatch and first trip meter to 0.

### Rally Trip-meter

To the right of the trip-meter is the control label. It defaults to “stp” which means that the trip-meter is “stopped”. Press MENU to highlight the control label and press ENTER to toggle it. The label toggles between stp, up, and dwn. When the label is set to up, the trip-meter will increment by the amount of distance being covered. When it is set to dwn, the trip meter will always decrement by the distance covered.

If you press and hold the MENU key, a window will come up where the trip-meter value can be pre-set to any distance desired. Press and hold the ENTER key to reset the trip-meter. If it is the first trip-meter, then this will also reset the stopwatch.

To the right of each trip-meter is a sub-display that changes depending on which direction the trip-meter is counting.

- **Trip-meter counting up** – The display shows the average speed using the trip meter distance and either the total rally time or the total rally moving only time (this is set in the configuration screen).
- **Trip-meter counting down** – The display shows the estimated time to the destination (until the trip meter reaches 0). The time is based on the distance remaining and the current speed the vehicle is traveling at.

### Rally Summary

This screen shows a summary of all the rally statistics. It can be viewed in two ways:

- From the Rally main menu
- In the rally display by pressing both buttons to toggle back and forth between displays.

The rally summary displays several rally statistics:

- **Start Time:** This is the time that the last Rally Reset was performed. It is when all the variables were reset to 0.
- **Time:** The current value of the rally stopwatch.
- **Dist:** The total distance covered. This odometer is independent of the tripmeters.
- **Avg-Speed:** The average speed using the total distance and the total time moving and time stopped (if the rally mode is configured to include the stop-time in average velocity calculations)
- **Max-Speed:** The maximum speed obtained since the last reset.
- **Time-Moving:** The total time the vehicle was moving.
- **Time-Stopped:** The total time the vehicle was stopped, does not include the moving time.

