RALLY COMP PRIMER

What is RallyComp?

RallyComp is a Race Compliance Meter specifically designed for use in Rally Raid events.   The meter is aimed at bringing a Dakar style Rally Experience to every Rally Race.   The Meter is also an excellent Training Tool for people who are aspiring to compete in the Dakar or are out just for fun.

What is meant by course compliance is that the meter will track the rider/vehicle to ensure that it has passed through all compulsary Waypoints and Speed Zones defined by the Race Organizer.

The meter will log penalty time for Waypoints that are missed along the route.

The meter will also log any speed zone violations throughout the route.

The meter will perform all the timing for each Stage including penalties in real time.   When the rider arrives at the finish of the stage complete Results including any violations will show on the Rally Comp Display and will be wirelessly transmitted to the Race Organizers Transceiver.   The Race Organizer can immediately post results as riders arrive.   If an internet connection is available results can be displayed immediately on the Web.

In addition to course compliance features the meter is a fully functional Odometer, Cap Meter and Speedometer.

The meter may be used as the riders primary Navigation Meter, as a Backup Navigation Meter or Solely for Course Compliance.   We recommend that the meter be easily visible to the rider because the Meter displays vital information for Navigating the Course.

The Rally Comp Safety Features: Arrow Guidance for Lost Racers, Pass Alert, Man Down Alert, Stop at Road Crossings, Audible Alerts. Safety Waypoints

Rally Comp SD Logging Features: 1. GPS track log with Speed.   2.Waypoint Clear/Skip/Show Logging with timestamp.   3. Key Input logging with timestamp.   4. Speed Zone Violation Log with Speed and TimeStamp.

Rally Comp will respond to a vartiety of Waypoint types contained within the Roadbook and stored on the SD chip inside the RallyComp.   See the "RallyCompWaypoints" document for detailed information on the function of each Waypoint Type.

Note: All Waypoints, Speed Zones, Etc will be have a Circle Icon in the right column of the Roadbook. There will be a :### below the Icon.   This number will define the Radius for a WPM and the Speed for a Speed Zone.   The roadbook may also show a Speed Icon.

The RallyComp has 4 buttons that function as follows:

Increment(+)- Increment the Odometer(In Upper part of display). Same Function on Thumb Switch.

Decrement(-)-Decrement the Odometer(In Upper part of display) Same Function on Thumb Switch.

MENUS(Most Menus have corresponding soft key labels on the RallyComp display)

Meter Settings Menu(Button #1)

Note: Any Selection for the Meter Settings Menu is confirmed by pressing the #2 Button

1. Select Cap or Speed(lower left of display). There are 3 ways to toggle between Cap and Speed display: 1. Press the S1 Button and wait 3s for menu to Timeout.   2. Press the S1 Button followed by S2 Button.   3. Press 3rd button on thumb switch(Best).

2. Reset ODO – Press S2 to Reset

3. Miles/Kilometers – Press S2 to change.

4. Backlight On/Off– Press S2 to change.

5. ODO Digits 1/2– Press S2 to select the number of digits after the decimal place.

6. Contrast-Press S2 to Select, Use S1/S2 to adjust, Wait 3s to Timeout.

7. Scale- Press S2 to Select, Use S1/S2 to adjust, Wait 3s to Timeout.   If you are repeatedly having to "Bump Up" adjust the Scale UP by .1

8. Odometer Reset- When Rally Mode is active the Auto Reset of the odometer can be turned off.   The unit must be restarted to turn it back on.

   Note: Menu will Timeout after 3s of no activity

Rally Functions Menu(#2)(Rally Information Shows in the bottom right of display)

Note: Any Selection for the Rally Functions Menu is confirmed by pressing the #1 Button.

1. Start Stage – Press S1 to Select Stage File from SD.   Waypoints will be read from SD and Stage will start.   If the unit is powered down while a Stage is active the unit will automatically continue where it left off(While competing it is advisable to leave the meter on at all times.)

2. Show Status- Shows Current status of Stage Waypoints

3. Man Down Alert-When activated the RallyComp will transmit an alert to approaching vehicle to warn of a stopped vehicle or a rider down.

4. Show Summary-Shows Results of Prior stage. This screen automatically shows the Results when the last Waypoint of the Stage is Cleared.   Summary/Results data resets if meter is powered off.

5. Rally OFF. Press S1 to Exit Rally Mode.

   Note: Menu will Timeout after 3s of no activity except Stage File Select

***Pass Alert is activated by pressing and holding   #2 button for 2 seconds.   Pass Alert may also be activated by holding the third button of the thumb switch for 2S.**

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