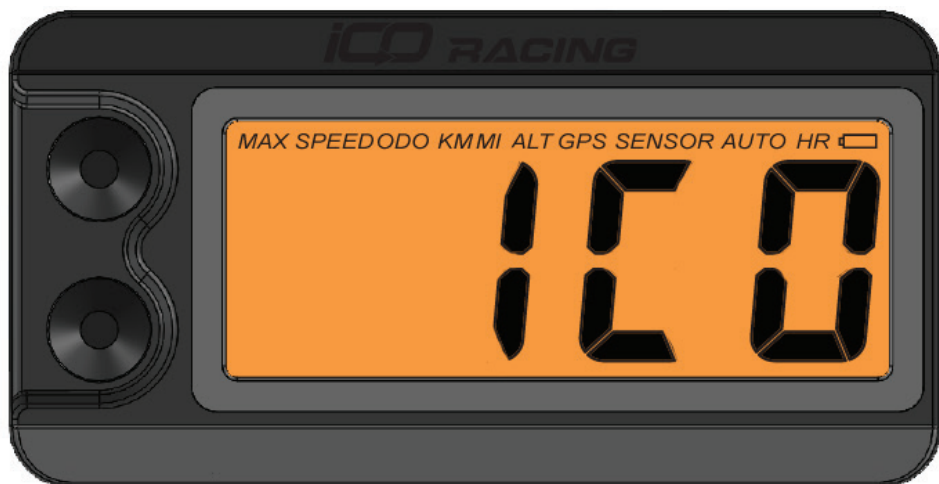


Owner's Manual

Rallye MAX 2



Made in USA
www.icoracing.com



Installation

Connect to 12V Battery



Avoid routing the wires directly against the ignition coil and spark plug wiring.

Your Rallye MAX™ requires 12V power as the primary power source. Connect the RED wire to the battery's positive side and the BLACK wire to the ground. Use only robust, permanent electrical connectors. Cigarette outlets, for example, are not reliable.

It is both unnecessary and undesirable to add a switch to the circuit. The Rallye MAX™ is designed to have 12V power supplied at all times. The instrument consumes only micro-amps when asleep. It will not drain your vehicle's battery, even when in storage.

There is polarity protection to prevent damage to the instrument in case the wires are reversed, but the instrument will not work if the wires are reversed. A 1-amp fuse is optional to protect your wiring.



Emergency Power Supply

Unlike legacy instruments which used disposable coin cell batteries for backup power, your new Rallye MAX™ has an advanced internal emergency power supply and needs no batteries, ever.

After being connected to 12V power for a few minutes, the Rallye MAX™ will store enough backup power to operate the instrument in emergency mode for up to 7 Dakar Rally stages. In emergency mode, the backlight is disabled to conserve power.

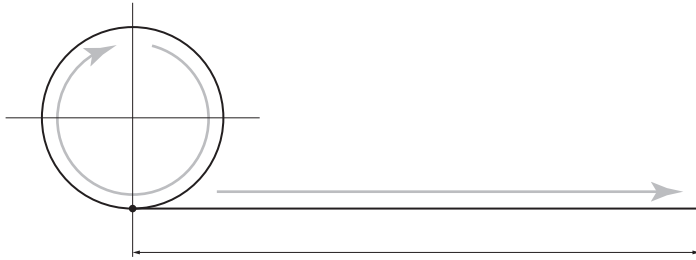


When operating on emergency power, the battery icon (⎓) will be displayed. This is your indication that the instrument's 12V power has been interrupted and needs repair.

Measuring Wheel Circumference

Your Rallye MAX™ instrument calculates distance travelled by using your wheel circumference and counting wheel revolutions. Your wheel circumference must be measured in millimeters (mm), regardless of the units that you choose (KM/miles).

To measure your wheel circumference, put a mark on your front tire where it touches the ground and mark the ground. Now roll the bike straight forward until the mark touches the ground again. The distance on the ground between these points is the circumference.



AutoCal™ Automatic Calibration

When following routes which have been accurately laid out using a properly calibrated odometer, your Rallye MAX™ will closely match the route distance without adjustment.

Some routes may have been created using less accurate methods. Therefore, we have included the ICO Racing™ AutoCal™ feature. This feature, enabled by default, will automatically synchronize the distance to match the route you are following.

Simply adjust the distance (bump up, bump down) as you ride, and AutoCal™ will “learn” about the error in the route. Each time an adjustment to the distance is performed, the instrument will do an automatic adjustment to more closely match the route distance.

AutoCal™ has many safeguards which prevent the instrument from making an unusual adjustment. It has been proven in many years of Dakar competition.

If you get lost and then return to the course and make an adjustment, the instrument will NOT make a correction. It will ignore the adjustment and continue as if you had not made the mistake.

At the start of each day's ride the instrument resets the AutoCal™ adjustment. It will use your wheel circumference until a manual distance adjustment is performed along the course. It then begins adjusting to that day's course.

Powering Off & On

To indicate the end of the stage/day/ride, explicitly turn the instrument OFF instead of simply allowing it to sleep. AutoCal™, if enabled, is reset, as is Max Speed and the Race distance.



Since the instrument was manually shut off, it will display zero when turned on. This indicates the start of a new stage/day/ride.

Automatic Wake & Sleep

The Rallye MAX™ wakes up automatically when the wheel rotates. It also goes to sleep automatically when there is no button activity or movement. The Rallye MAX™ sleeps after 20 minutes of inactivity.

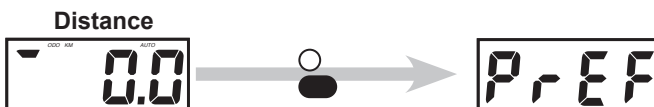
NOTE: AutoCal™ and Max Speed will not reset on sleep. The Rallye MAX™ assumes you are still on the same stage/day/ride.

NOTE: Upon turn on after an automatic sleep, the previous distance will be displayed. You may resume from that distance, or you may reset the distance.

Preferences Mode

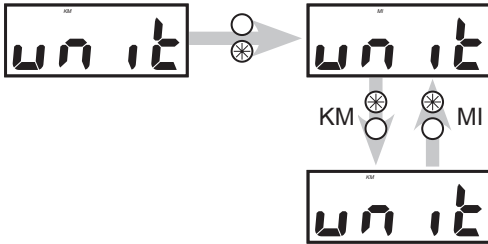
When the instrument is first turned on, a tick mark is shown in the first digit of the display to indicate that Preferences mode is available. To prevent accidental changes, Preference mode is locked out once you start your ride. You must turn the computer off and on to get back to the Preferences mode.

In Preferences mode you can set your instrument preferences and view the Trip and Full distances.



Hold the down button to enter Preferences mode.

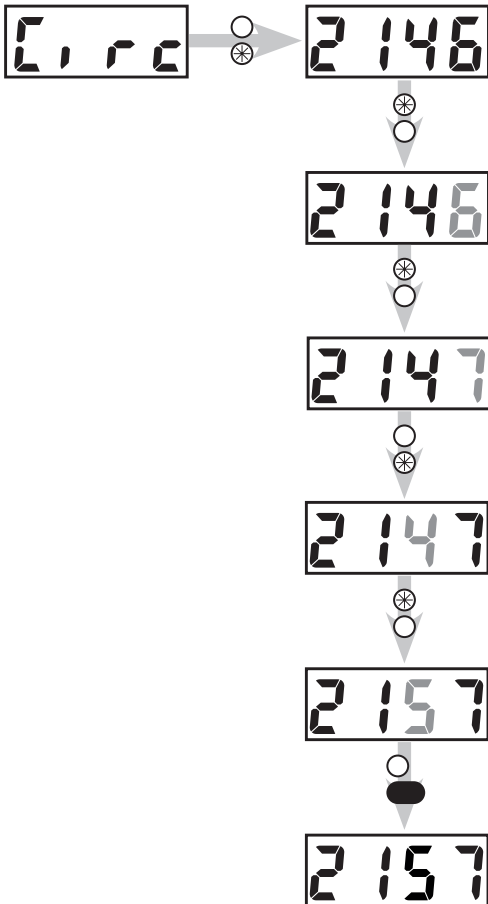
Select Units (Kilometers or Miles)



Press the up button to toggle between options.

Press the down button to accept the current value.

Set Wheel Circumference (mm)

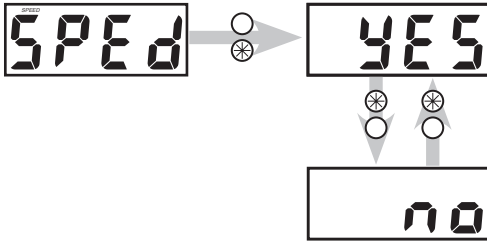


Press the up button to adjust the digits.

Hold the down button to save the new circumference.

Press the down button to accept the current value.

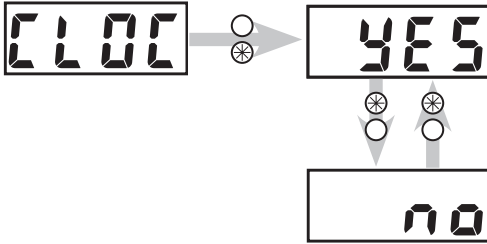
Show Speed Mode



Press the up button to toggle between options.

Press the down button to accept the current value.

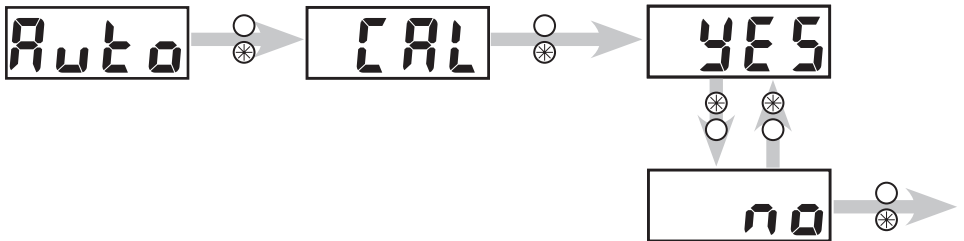
Show Clock Mode



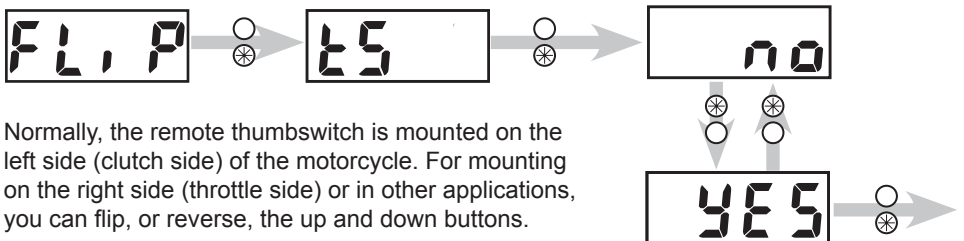
Press the up button to toggle between options.

Press the down button to accept the current value.

AutoCal™ Enabled

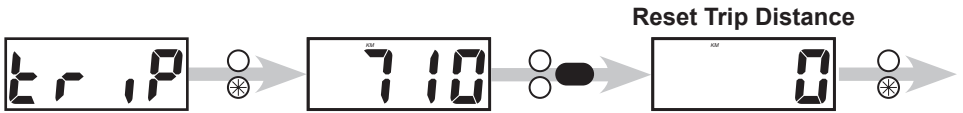


Thumbswitch Flip / Reverse



Normally, the remote thumbswitch is mounted on the left side (clutch side) of the motorcycle. For mounting on the right side (throttle side) or in other applications, you can flip, or reverse, the up and down buttons.

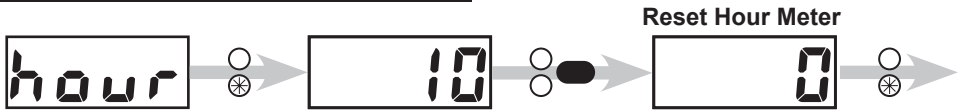
Trip Distance



Lifetime Distance



Hour Meter




Race Mode

Selecting Precision

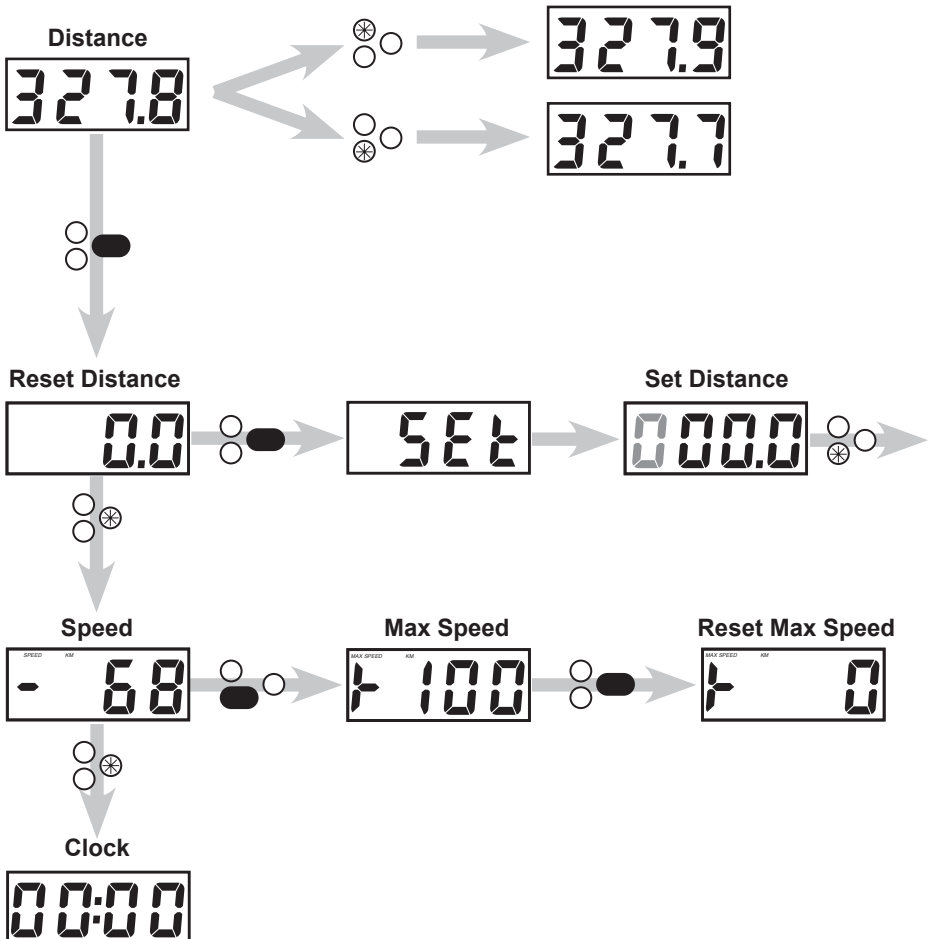


Adjustable Brightness



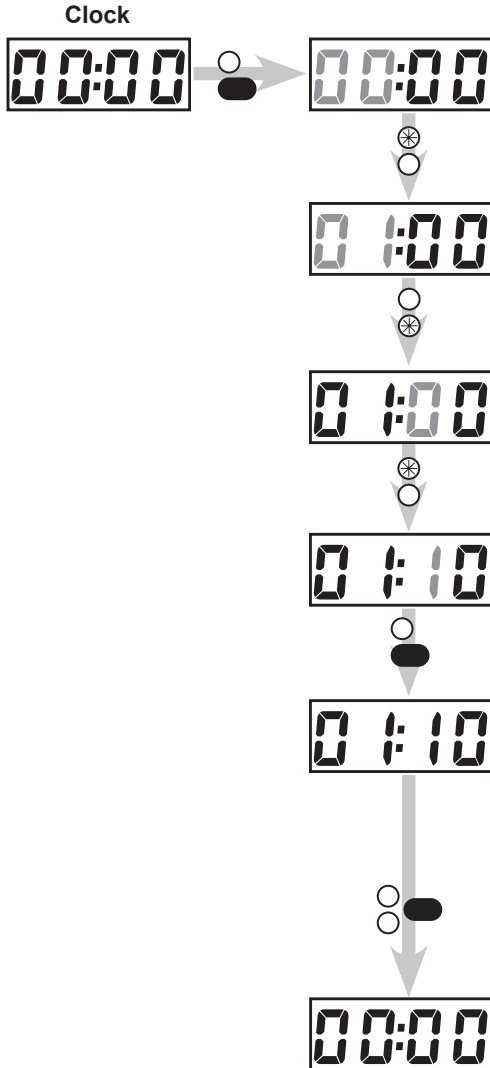
 To conserve power, the backlight is disabled when running on emergency power.

Race Mode Summary



Setting Clock

The Rallye MAX™ includes a 24-hour time-of-day clock. Once set, the clock acts as a normal time-of-day clock and will keep accurate time even while the Rallye MAX™ is off, provided power is present. If you haven't set the clock, it will start counting up from 00:00 when you start riding, acting as a stage timer.



Hold the down button to save the new time.

In this example, the time will be exactly 1:10:00 AM.

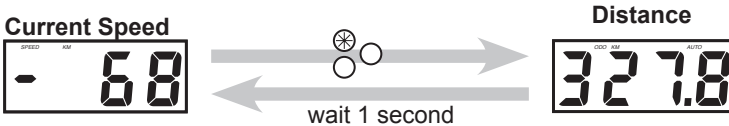
If you are using the clock as a stage timer, you can hold the mode button to reset it to 00:00.

OdoPause™ Feature

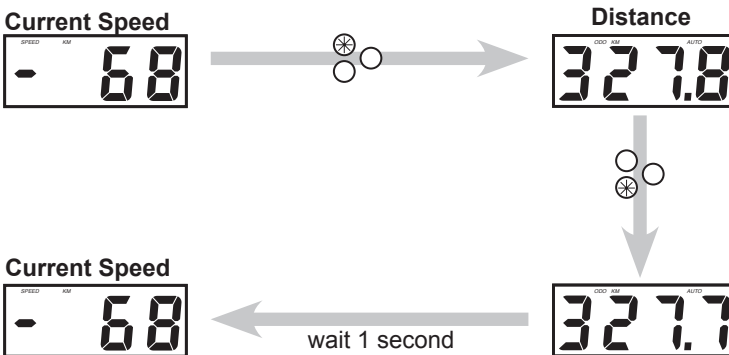
OdoPause™ makes it much easier to adjust your distance while rolling, even at high speeds. Once you begin any adjustment, your Rallye MAX™ suspends adding the roll distance accumulated while you are adjusting. You simply adjust to the exact mileage on the roadbook without worrying about how far past the marker you may have ridden since starting the adjustment. The Rallye MAX™ will add the rolling distance when you finish your adjustment.

OdoQuick™ Feature

The Rallye MAX™ has an innovative feature for quickly checking your distance while transiting a speed zone (DZ). While viewing the Speed page, you can momentarily access the distance page by bumping any top or bottom button. The display will show the distance for 1 second, then return to the speed page.



While the distance is momentarily displayed, you can also adjust it up or down. After 1 second without a button press, the display will return to the previous page.



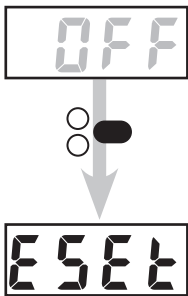
Hard Reboot

In the extremely unlikely event that your instrument should ever “lock up” or “freeze”, we have added a new “hard reboot” feature. Press and hold both buttons on the instrument for approximately 12 seconds, then release. Your instrument will reboot with your existing preferences intact.

Factory Reset

The settings you select in the Preferences mode are maintained even when there is no power to the instrument. If you want to restore the factory default settings, you may perform a Factory Reset.

Perform the Hard Reboot procedure, described above, but after 12 seconds release only the top button and continue holding the bottom button. The instrument will animate the word “reset” across the screen indicating that all preferences and odometers have been reset.



Troubleshooting

SENSOR

At slow speeds, SENSOR will appear when the magnet is triggering the wheel sensor.



You are running on emergency power. Apply 12V power. When flashing, emergency power is almost depleted.

Quick Reference and Defaults

