

# Rallye MAX-G



Made in USA  
[www.icoracing.com](http://www.icoracing.com)



# Installation

## Connect to 12V Battery

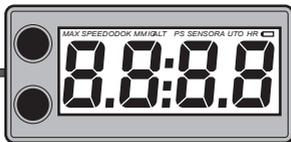


Avoid routing the wires directly against the ignition coil and spark plug wiring.

Your Rallye MAX-G™ is designed to use 12V DC power as the primary power source. Connect the RED wire to the battery's positive side and the BLACK wire to the ground. 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 may be added to protect your wiring and your instrument.

Use only robust electrical connectors. Avoid cigarette outlets or “keyed” power. Intermittent or unreliable power may cause satellite reacquisition or a “BATT” warning and automatic shutdown. The computer consumes very little power and will perform best if you leave it turned on for your entire ride.

Thumb Switch



GPS Receiver

12V DC power

## Connect GPS Receiver



NOTE: When any GPS powers up for the first time, or in a new location, it can take several minutes to receive a signal. Please be patient. During this time, a small LED inside the GPS receiver will remain constantly on. Once a signal is acquired, the small LED inside the GPS receiver will begin flashing.

The ICO Racing™ Rallye MAX-G™ instrument is a highly accurate, GPS-based race computer.

For the instrument to work properly, the GPS receiver needs a clear view of the sky. Mount the GPS receiver as close to horizontal as possible. Allow time for the GPS to acquire a satellite fix. When you turn the Rallye MAX-G™ on, the LCD display will flash while the GPS receiver is acquiring a satellite fix. Once the display stops flashing, you may begin your ride.

If the GPS signal is lost during a ride, the LCD display will flash and the GPS annunciator on the LCD will be illuminated. Keep riding. The instrument has algorithms which will calculate the accumulated distance once a new fix is acquired. During signal loss, the display will flash the last known distance, CAP heading, and speed.

# ***AutoCal™ Automatic Calibration***

When following routes which have been accurately laid out using a GPS or calibrated odometer, your Rallye MAX-G™ 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 convert GPS distance to the route distance.

AutoCal™ has many safeguards which prevent the instrument from making an unusual adjustment. It has been proven in many, 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 the GPS distance 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 disconnecting 12V power. 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 Sleep

After 2 hours of no button activity or no movement, the instrument will automatically sleep.

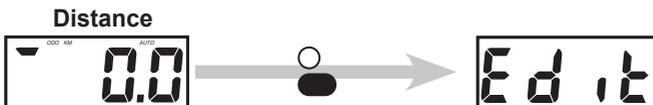
NOTE: AutoCal™ and Max Speed will not reset on sleep. The Rallye MAX-G™ assumes you are still on the same stage/day/ride.

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

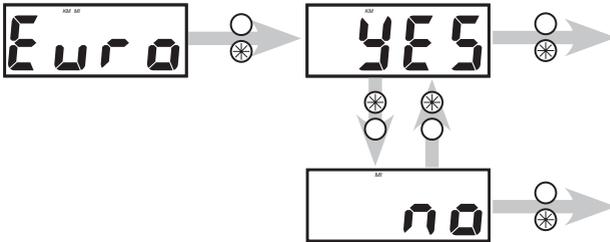
## Edit Mode

When the instrument is first turned on, but before you have started your ride, a tick mark is shown in the first digit of the display to indicate that Edit mode is available.

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

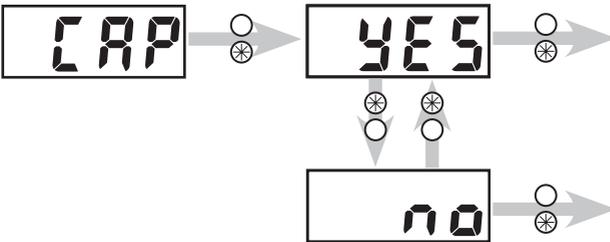


## Select Units (Kilometers or Miles)



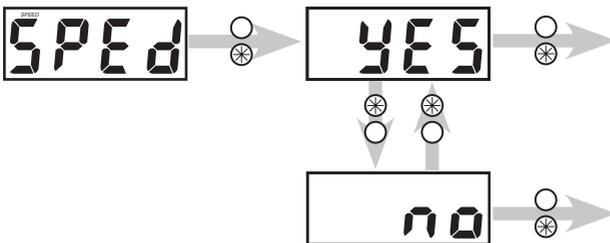
Press the down button to accept the current value.

## Show CAP Mode



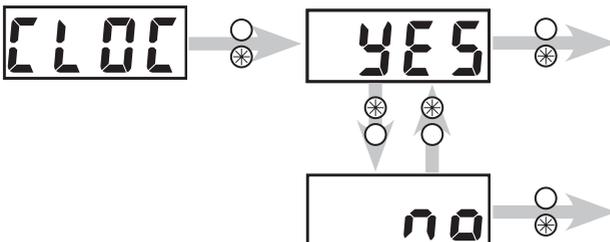
Press the down button to accept the current value.

## Show Speed Mode



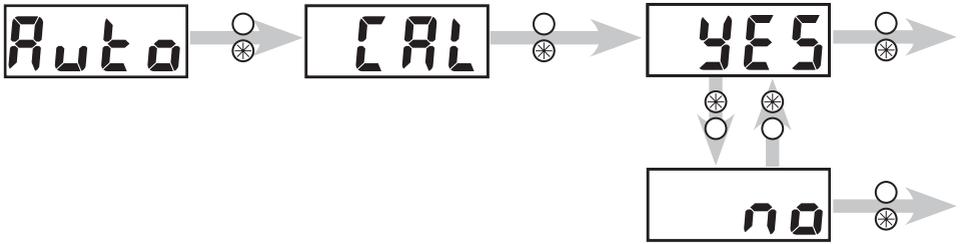
Press the down button to accept the current value.

## Show Clock Mode



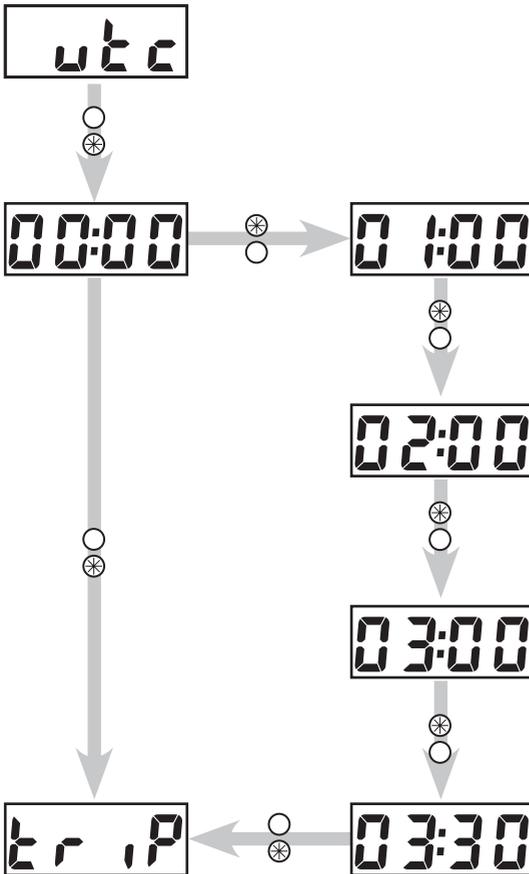
Press the down button to accept the current value.

## AutoCal™ Enabled



## Time Zone Setting (UTC)

The Rallye MAX-G™ uses GPS time, adjusted to your local time zone. Once you set your time zone, the Rallye MAX-G™ clock never needs to be adjusted.



Bumping the top button will scroll through a list of all the official time zones in the world.

When you find your time zone, bump the bottom button to accept.

## Trip Distance



Reset Trip Distance

## Lifetime Distance



## Hour Meter



Reset Hour Meter

# Race Mode

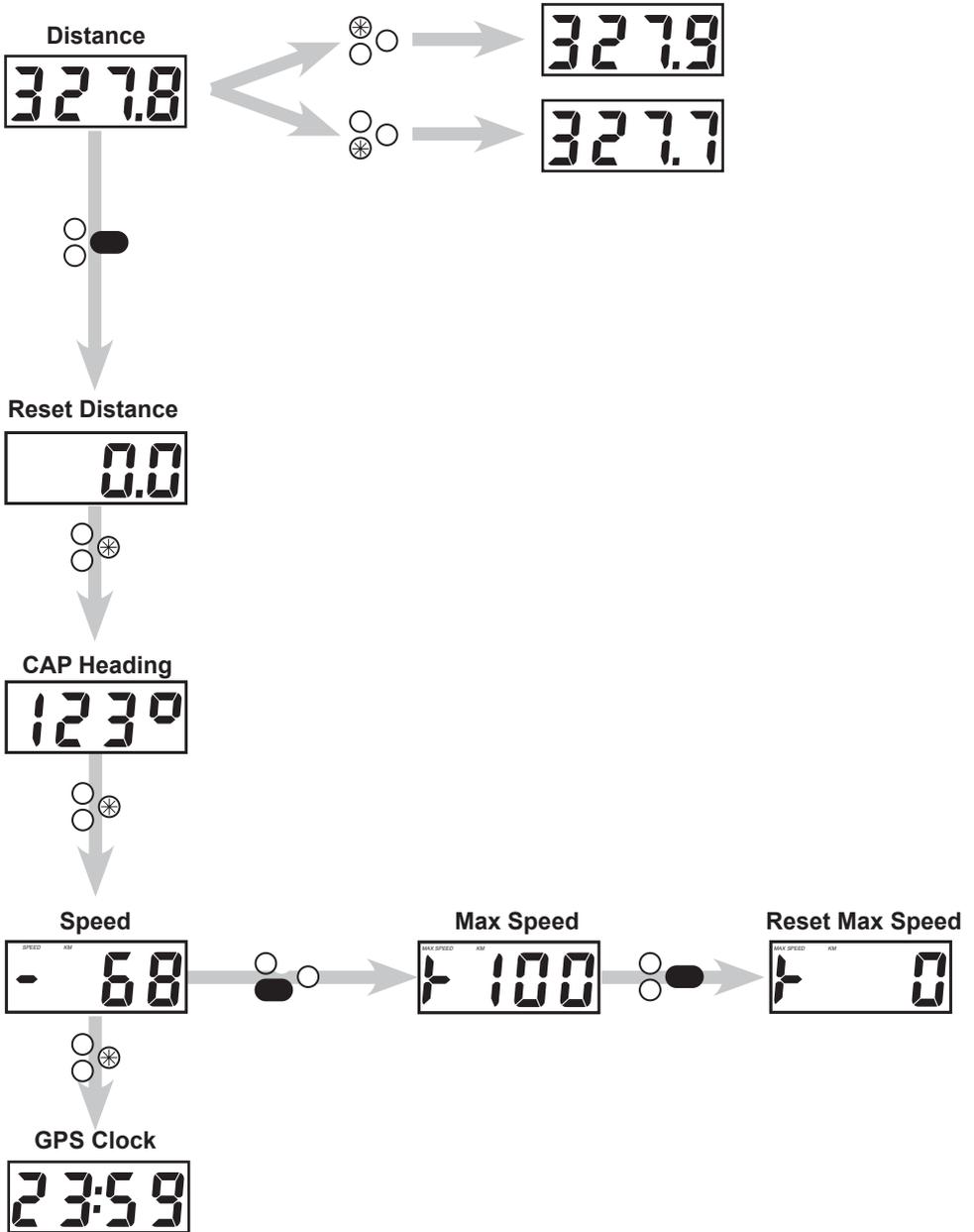
## Selecting Precision



## Adjustable Brightness



# Race Mode Summary

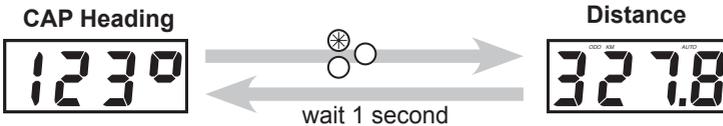


## OdoPause™ Feature

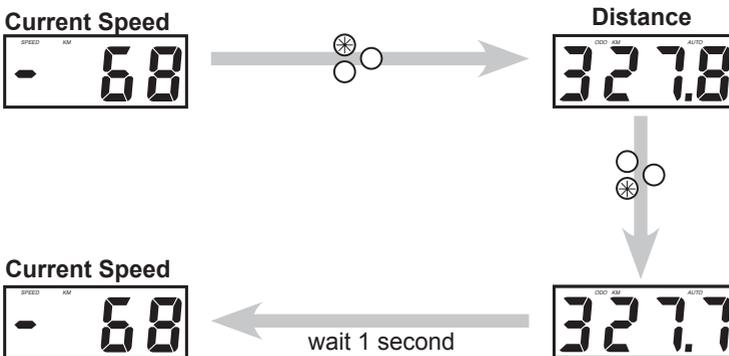
OdoPause™ makes it much easier to adjust your distance while rolling, even at high speeds. Once you begin any adjustment, your Rallye MAX-G™ suspends adding the roll distance accumulated while you are adjusting. You simply adjust to the exact mileage on the roadbook without worrying about how far past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

## OdoQuick™ Feature

The Rallye MAX-G™ has an innovative feature for quickly checking your distance while navigating an off-piste (HP) section or while transiting a speed zone (DZ). While viewing the CAP page or 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 CAP or 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.



## Factory Reset

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

All user settings and odometers, except the full odometer, are reset.



OFF



Hold the thumb switch mode button while powering up the instrument. Keep holding until the word "RESET" appears.



ESET

## Troubleshooting

Flashing Screen	GPS has lost signal. Ensure GPS is properly connected and LED indicator inside GPS receiver is on.
GPS	When displayed, GPS has lost signal.
	A power problem is occurring. Check all your connections.
"BATT"	A power problem is occurring. Check all your connections.

# Quick Reference and Defaults

