

Thank you for purchasing an MSW Miniac GPS-322 Cycling Computer!

Thank you for your purchase! At MSW® we believe having essential accessories makes a good bike ride great. The 22 function MINIAC GPS-322 cycling computer is loaded with features that will add to any ride experience.

▲ WARNING: Cycling can be dangerous. Bicycle products should be installed and serviced by a professional mechanic. Never modify your bicycle for accessories. Read and follow all product instructions and warnings including information on the manufacturer's website. Inspect your bicycle before every ride. Always wear a helmet.

For additional product and safety information go to: www.mswbike.com/safety

COMPATIBILITY AND INTENDED USE

The Miniac GPS-322 function list includes: GPS Technology, Auto Wake-Up, Backlight On/Off, Actual Temperature, Riding Data File Storage, PC Link Connection, Device Battery Life Indicator, Clock, Trip Time, Trip Distance, Total ODO, Speed Comparison, Current / Average / Maximum Speed, Actual Altitude, Altitude Gain / Loss, Total Altitude, Maximum Altitude, Trip Climb, Current / Average / Maximum Gradient.

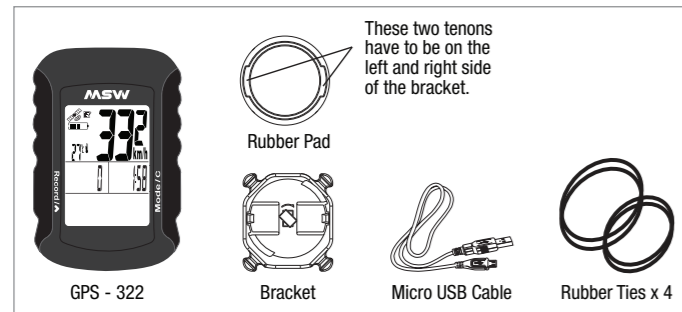


The MSW Miniac GPS-322 is intended for use on roads and paved trails as well as ASTM Condition 2 use. This includes smooth paved roads, unpaved and gravel roads, and trails with moderate grades where loss of contact with ground may occur but drops are less than 6" (15cm).

The Miniac GPS-322 head unit mounting bracket is compatible with most handlebar diameters.

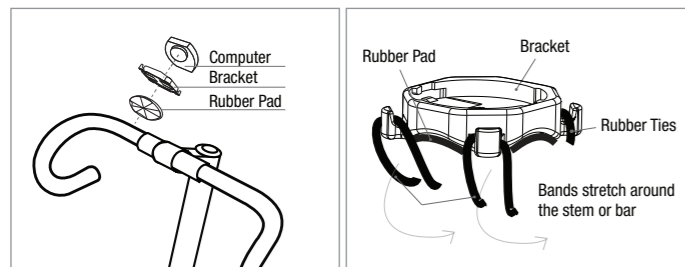
INSTALLATION

ITEM CHECKLIST



HOW TO MOUNT THE BRACKET

Use the rubber pad to tighten the bracket on the handlebar or stem with the rubber ties.



Place the computer on the bracket and secure it by turning it clockwise.

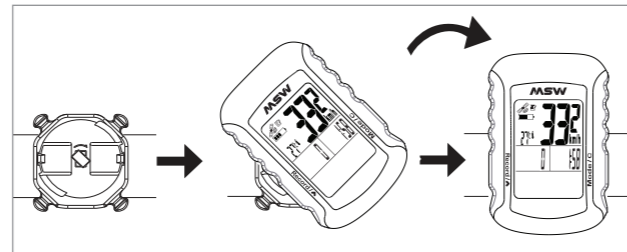
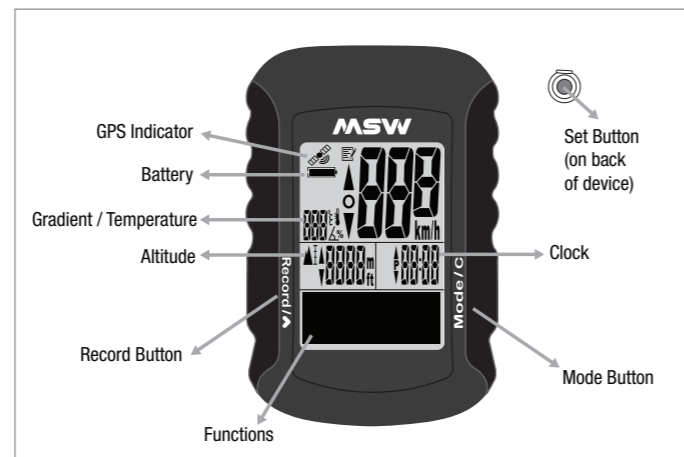


Figure 3

COMPUTER MAIN DISPLAY & BUTTON FUNCTION



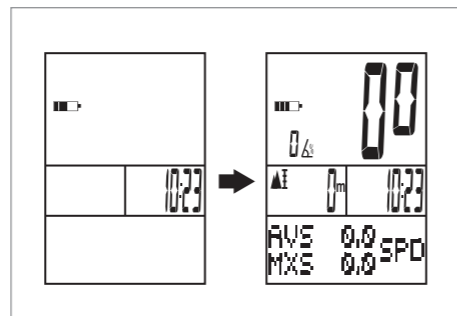
TURN ON / OFF

Press RECORD button and MODE button for three seconds to turn on / off the device.

WAKE UP AND SLEEP

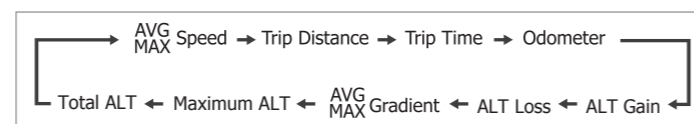
Auto Wake Up: When there is any speed or vibration, the computer will wake up.

Auto Sleep: After six minutes without any speed or vibration, computer will go to sleep.



FUNCTION CHANGE

Press MODE button to change mode.



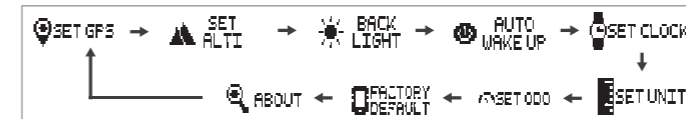
On any screen, press and hold MODE button for 3 seconds to clear the data.

NOTE: Odometer and total ALT cannot be cleared no matter it is recording or not, users can set the Odometer and total ALT in the set mode.

- Please note while recording, not only Odometer and Total ALT, but also all the data cannot be cleared.

SET MODE

Press SET button for three seconds to go to Set mode.



Press MODE button to enter.

Press and release SET button to move to next setting.

Press SET button three seconds or wait 60 seconds to exit set mode.

SET GPS

Press and release MODE button to enter options.

Press the RECORD button to select Always On / Power Saving.

Press and release SET button to move to Altitude.

SET ALTITUDE

Press and release MODE button to enter options.

Press RECORD button to select AUTO DETECT / MANUAL SET

Manual: Press MODE button to go into manual number listing.

Press RECORD button to move through number sequence.

Press MODE to move from one number column to the next.

Press and release SET button to move to backlight.

BACKLIGHT

Press and release MODE button to enter options.

Press RECORD button to select BUTTON ON / ALWAYS ON / ALWAYS OFF.

Press and release SET button to move to auto wake up.

AUTO WAKE UP

Press and release MODE button to enter options.

Press RECORD button to select ON / OFF.

Press and release SET button to move to set clock.

SET CLOCK

Press and release MODE button to enter options.

Press RECORD button to select AUTO DETECT / MANUAL SET.

Auto Detect: Set 12H / 24H → Set Time Zone → Set Daylight Savings

Manual: Set 12H / 24H → Set Clock → Set Date

Press RECORD button to select option.

Press MODE button to next setting.

Press and release SET button to lock in manual clock settings.

Select AUTO DETECT and turn on GPS, time information will be updated by GPS signal automatically.

Press and release SET button to move to set unit.

SET UNIT

Press and release MODE button to enter options.

Press RECORD button to select METRIC / IMPERIAL.

Press MODE button to lock in option.

Press RECORD button to select C / F.

Press and release SET button to move to odometer.

SET ODOMETER

Press MODE button to enter manual odometer settings.

Press RECORD to scroll through number sequence.

Press MODE to move between number columns.

Press and release SET button to move to factory default.

SET FACTORY DEFAULT

Press MODE button to enter options.

Press RECORD button to select Yes.

Press RECORD button to confirm.

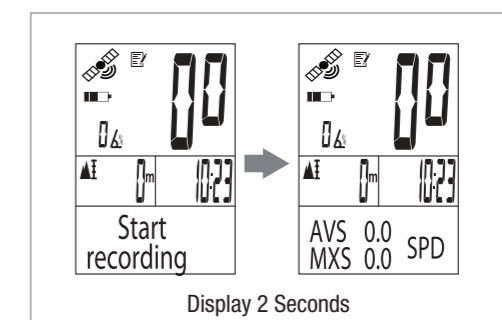
Press and release SET button to move to About.

ABOUT

Press MODE button to view the software version.

HOW TO RECORD YOUR RIDE

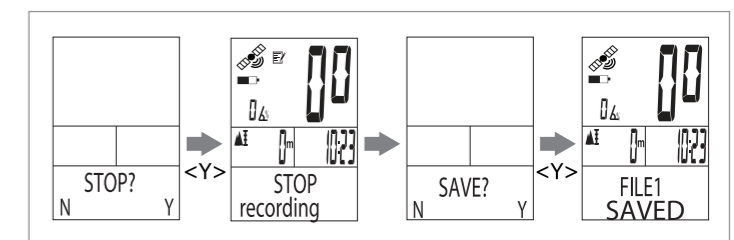
Press RECORD button to start recording.



Press RECORD button to stop recording.

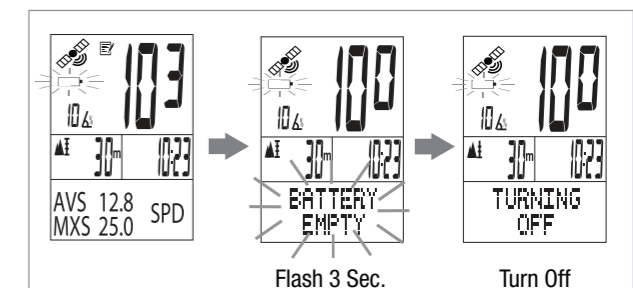
Press MODE button to select Yes.

Press RECORD button to select No and continue riding.



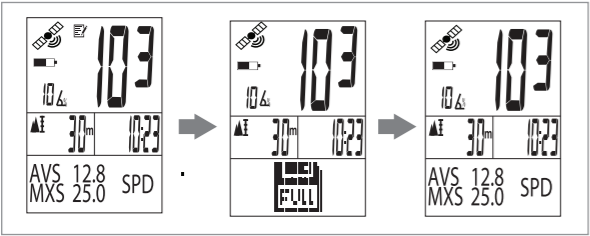
LOW BATTERY

When the device's power is less than 10%, it will automatically stop recording and turn off. After it is recharged and restarted, recording will resume.

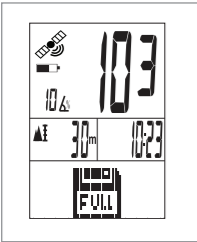


MEMORY FULL

When the storage space is full, the device will automatically stop recording and store.



If the space is full, when pressing the RECORD button, the device will prompt and the information will not be recorded.



HOW TO CONNECT TO PC SOFTWARE

Install the software on a Microsoft PC.

Insert the USB cable into the device and connect it to the computer's USB port.

Start the PC software.

1. Under “File”, select “Import from device.”
2. Choose the device and press “OK”
3. Choose the data you want to use and press “Upload Select File”
4. After uploading the data, press “Cancel” to start review

NOTE: For the most updated information on software and APP please visit our website. We strongly suggest using the USB cable that is included to connect to the PC.

MAINTENANCE

If the display contrast changes and becomes faint, it's time to recharge the battery.

NOTE: Do not expose Miniac GPS computer to extremely cold or hot temperatures. Avoid leaving the unit in direct sunlight for extended periods of time.

TROUBLESHOOTING

Q1. Display is black or very light:

The battery power may be low. Make sure the battery is properly charged. Check battery indicator on display.

Q2. Display becomes dark or black:

The unit is too hot. Place the unit in a shaded area and it will return to normal.

Q3. The unit operates slowly or struggles:

The unit is too cold. Warm the unit and it will return to normal.

Q4. Data in display varies enormously:

Check the surroundings for electromagnetic or high energy interference, e.g. power lines, and move away from the source of interference.

Q5. Data in display shows slowly:

The unit may be too cold. When the temperature rises, the data reading will return to normal.

SPECIFICATIONS

Operating Temp	32–104°F (0–40°C)
Storage Temp	14–122°F (-10–50°C)
Battery	USB Rechargeable
Battery life (computer)	15 hrs
Weight	54g
Timer Range	99 (hour) : 59 (minute) : 59 (mi)
Current Speed Range	0~99.9kph / 0~62.4 mph
Average Speed Range	0~99.9kph / 0~62.4 mph
MAX Speed Range	0~99.9kph / 0~62.4 mph
(Trip) Distance Range	0~9999.99km / 0~6249.99 mi
Odometer Range	0~999999km / 0~624999 mi

LIMITED 2-YEAR WARRANTY

MSW warrants this new MSW product against defects in materials and workmanship for two (2) years from the original date of retail purchase by the consumer. This limited warranty is expressly limited to the repair or replacement of the original product, at the option of MSW, and is the sole remedy of the warranty. This limited warranty applies only to the original purchaser of the MSW product and is not transferable.

In no event shall MSW be liable for any loss, inconvenience or damage, whether direct, incidental or consequential or otherwise resulting from breach of any express or implied warranty or condition of merchantability, fitness for

a particular purpose, or otherwise with respect to this product except as set forth herein. This warranty gives the consumer specific legal rights, and those rights and other rights may vary from state to state.

This warranty does not cover the following:

- Damage due to improper assembly or follow-up maintenance or lack of skill, competence or experience of the end user
- Products that have been modified, neglected, used in competition or for commercial purposes, misused or abused, involved in accidents or anything other than normal use
- Damage or deterioration to the surface finish, aesthetics or appearance of the MSW product
- Normal wear and tear
- Labor required to remove and/or refit and re-adjust the product within the bicycle assembly
- Installation of components, parts, or accessories not originally intended use with or compatible with MSW products

TO THE EXTENT NOT PROHIBITED BY LAW, THESE WARRANTIES ARE EXCLUSIVE AND THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS INCLUDING WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

WARRANTY PROCESS

If you and your shop think your MSW product is worthy of a warranty inspection, please return the product to the original place of purchase, accompanied by a sales receipt.

For complete warranty information, visit www.mswbike.com/safety/warranty.