MISSION2

User Manual

Table of Contents

1. Getting Started

1.1 Diving Safety

- To ensure safe and proper use, please read the user manual before using the MISSION2.
- This manual is based on use of the default settings of the MISSION2.
- Do not use the MISSION2 as your only diving instrument. A separate depth gauge should be standard equipment for every diver and is highly recommended. All divers should conduct detailed Pre-Dive Safety Checks to include emergency planning, in case of any equipment failure during your dive. Firmware updates will be published on the ATMOS support site as they become available. Check for updates before your dives.
- Diving involves risk. Only trained divers should use the MISSION2. Dive computers are not a substitute for training and good judgment. Do not use the MISSION2 on any dive beyond your certification and experience level. Diving with an incorrect assessment of your ability and physical condition can result in injury or even death.
- The MISSION2 is designed for recreational diving only. Do not use the MISSION2 for commercial diving applications.
- Divers should never ascend faster than 10m/min (33ft/min). Ascending at a faster rate will negatively impact your decompression physiology.
- Please follow the decompression stops advised by MISSION2. Violation of these stops will increase the risk of decompression sickness, which may lead to serious injury or death.
- The MISSION2 is a precision instrument. Please take care to protect your computer from damaging shocks or chemical exposure. Store your MISSION2 out of direct sunlight and avoid exposure to excessive heat. Never leave the computer in a vehicle exposed to the sun.
- Do not wear your MISSION2 in hot springs, hot tubs, or saunas.
- To avoid damage to buttons or sensors do not use high pressure sprays. If the computer is excessively dirty, soak it in fresh water and gently wipe away dirt. Do not use detergents or solvents of any kind.
- Please use the Screen Guard included in the package. Replacement screen guards may be purchased from an authorized dealer.
- Do not share dive computers. Sharing should be avoided as it may cause divers to misjudge dive information and cause serious injury.

1.2 What's in the Box?

- MISSION2 with Silicone Wrist Strap
- Charging Cable
- Screen Scratch Guard (2 pcs)
- Watch Strap Pins (2 pcs)
- Warranty Card

1.3 Removing / Replacing the Strap

In addition to the included long wrist straps, shorter straps are available for purchase through ATMOS and authorized ATMOS dealers.

Remove the Strap:

1) Push the strap spring clip to the compressed position.
2) Lift out the strap.
3) Release the strap spring clip.

Install a Strap:

1) Insert the strap pin opposite the spring clip into the strap mount hole.
2) Push the strap spring clip to the compressed position and align the strap pin with the strap mount hole.
3) Release the strap spring clip.
4) Confirm the strap is securely locked in place and that the spring clip has returned to its locked position.

1.4 Basic Operation

1.4.1 Button Functions:

Button functions may vary based on the type of button press used. E.g., a quick press (“press”) versus a 3 second press and hold (“hold”). Function may also vary based on menu level.

Button A (press): Up / View Smart Notifications
Button A (hold): Toggle Bluetooth connection: On/Off

Button B (press): Activity Menu / Confirm

Button C (press): Down / Scroll Enabled Widgets
Button C (hold): Access Stopwatch

Button D (press): Return / MISSION2 SETTINGS Menu

Button E (press): Turn Backlight On/Off
Button E (hold): Power Off

1.4.2 Power On/Off

Power On:

1) Press and hold button E for 2-3 seconds or connect the MISSION2 to the charging cable.

Power Off:

1) While in Watch mode, press and hold button E for 2-3 seconds.

1.4.3 Restart

In case of a depth lockdown, the MISSION2 can be restarted by pressing and holding both right-top and right-bottom buttons for 5 seconds. Any unfinished activity will not be logged.

1.4.4 Charging

Under normal use, it takes approximately 2 hours to fully charge the MISSION2. The screen will display 100% when complete. If the battery is left uncharged for an extended period (e.g, several weeks), the charging process may take longer.

- **Important**: Please use a power adapter with safety certification rated voltage of DC 5V/2A. Do not use connectors or fast chargers that exceed the rated voltage: DC 5V/2A. Use of such items may negatively affect the lifespan of the battery or cause overheating.

- Make sure the charging points are clean and dry before charging. Moisture and dirt can seriously affect charging efficiency and may cause damage.

- Ensure the charging cable is properly connected when charging. If the charging position is not aligned correctly, it may result in an improper connection and cause the watch to overheat.

- The lithium battery in the MISSION2 can be damaged if it is fully discharged. The MISSION2 has an internal protection mechanism which will disconnect the battery before it is fully discharged. However, a small amount of discharging will still occur over time. If it is left unused for a long time without regular charging, the lithium battery may become fully discharged and have a shorter lifespan. To avoid battery damage, completely power off the device when it is not in use. Fully charge the battery at least every two months to maintain battery health.

1.5 Pairing your Smartphone

Use the ATMOS App to sync the dive and activities log and other watch data.

Device Compatibility: Some devices may not be compatible. Currently known to have compatibility issues: Huawei/ Oppo/ Vivo/ Xiaomi

Download ATMOS App:

iOS: https://Apple.co/31ouXTE	
Android: http://bit.ly/2WAfdNL	

Note: App version may vary depending on your mobile phone and software version.

Pair Your Device

1) **MISSION2**:
   a) Go to SETTINGS → CONNECT → CONNECT APP.
   b) Select IOS or ANDROID as applicable and change the setting to ON if necessary.

2) **Mobile Phone / ATMOS APP**
   a) Ensure mobile phone BlueTooth connections are enabled.
   b) Open the ATMOS App. Create a new user account if first time use.
   c) Select Profile → Add device → Pair a new device.
   d) Select the MISSION2 from the list of detected devices. Enter the 5-digit Pin code shown on the MISSION2 to complete the connection.

Note: If your device will not connect after pairing, please restart the phone and MISSION2, then go through the unpair steps and then pair again.

Quick Tip: The All Devices pairing screen can also be accessed through the device icon located in the upper left corner of the ATMOS APP Summary screen.

Unpair Your Device

1) **MISSION2**:
   a) Go to SETTINGS →CONNECT → UNPAIR and select: YES
2) **ATMOS APP**:
   a) From the All Devices screen, swipe left on the MISSION2 to Forget Device. Alternatively, select the device and then select the Forget Device icon at the bottom of the screen.
3) **Mobile Phone**:
   a) Access Bluetooth devices → Select the MISSION2 → Forget the device

Quick Tip: A long press of button A when in Watch mode will toggle the BlueTooth connection on/off.

1.6 Smart Notification

The Smart Notification feature allows the MISSION2 to display Short Message System (SMS) messages and phone calls received on the paired smartphone (iOS 10 or higher, Android).

Enable Notifications:

1) Go to SETTINGS → CONNECT → NOTIFICATION.
2) Select the type of notifications to be received (All / Call Only)

View Notifications Received:

1) While on Watch mode, press button A to view notifications.
2) Press buttons A or C to scroll up or down through existing notifications.
3) Press button B to select a message.

Note: All notifications are cleared after a watch restart.

1.7 Firmware Update

ATMOS regularly releases new firmware including new features, bug fixes, and other improvements. To take advantage of these items, please keep the firmware of your MISSION2 updated. Firmware updates require a USB connection to a PC.

Check Firmware Version:

1) Go to SETTINGS → SYSTEM → ABOUT. The Model, Serial Number, and Firmware version will be displayed

Update Firmware

1) Using a PC, go to the ATMOS website: https://www.atmos.App/ and download the latest MISSION2 firmware (Support > Firmware Update).
2) Place the MISSION2 into firmware update mode: Go to SETTINGS → UPDATE.
3) Connect the MISSION2 to the PC using the USB charging cable. The MISSION2 should be detected as a new USB drive.
4) Open the downloaded firmware zip file and drag (or copy) the firmware update ***.bin*** *file* into the FIRMWARE folder of the MISSION2.
5) After the .bin file has been copied to the FIRMWARE folder, disconnect the MISSION2 charging cable. The MISSION2 will automatically start the update process. Please let the process complete before once again using the MISSION2.

Note: If the MISSION2 is not detected by the PC, ensure that the charging cable is completely/correctly attached to the MISSION2. Each of the four pins of the charging cable must be in contact with the device.

1.8 Change & Customize Watch Face

The MISSION2 offers a variety of custom watch face options including Classic Analog, Digital, and more!

1.8.1 Change Watch Face

Change Watch Face via MISSION2

1) Go to SETTINGS → WATCH FACE.
2) Press button A or C to scroll up or down through the available watch face styles.
3) Press button B to select the desired face.

Change Watch Face via the ATMOS App

1) While paired with the MISSION2, go to the All Devices screen in the ATMOS App and select the MISSION2.
2) Select Watch Face from the list of Your Device options, select the desired watch face style.
3) Select *Set as Current*.

1.8.2 Customize Watch Face with Photos

1) Using the ATMOS App (while paired with the MISSION2), go to the All Devices screen and select the MISSION2.
2) Select Watch Face from the list of Your Device options.
3) Select one of the Photo watch face styles (e.g, Photo Classic Analog, Photo Classic Digital).
4) In the Background Photo section, select Select Photo.
5) Browse to and select the desired personal photo. The MISSION2 will automatically downsize the image if necessary.

1.9 Screen Protection & Loss Prevention

The MISSION2 is a rugged device which can withstand normal daily use and sport activities. However, drops and strong impacts may cause malfunctions and screen cracks. Use of the included screen scratch guard is highly recommended. Note: the MISSION2 *does not* have a scratch guard pre-installed. If needed, additional screen guards can be purchased from ATMOS dealers.

To further protect the screen, it is recommended that the watch face be turned to face inwards towards the body when entering/ exiting the water. This may prevent damage from other dive gear.

The MISSION2 strap may show wear and tear over time. If there is any damage to the strap, it should be replaced as soon as possible.

A phone lanyard or a tether may be used to further secure the MISSION2.

2. Widgets

The MISSION2 offers a variety of Sports and Health-related Widgets!

- Heart Rate Measurement
  - Displays current heart rate and trend
- Sleep Monitoring
  - Displays data on sleep quality
- Steps & Calories
  - Displays data on steps taken and calories burned
- Outdoor

    - Displays a compass face as well as Sunrise & Sunset times and Altitude information
- Tide
    - Displays tide information (local or custom location)
- Weather
    - Displays local weather data
- Last Dive
    - Displays data on the last dive
- Activity
    - Displays information on activity time

Enable a Widget:

1) Go to SETTINGS → WIDGET → *Select the desired Widget* → ON.

View Widget Information:

1) While on the main Watch screen, press button C to scroll through enabled Widgets.

Note: some widgets such as Tides and Weather require a connection to the ATMOS App in order to update.

2.1 Heart Rate Measurement

The MISSION2's optical heart rate sensor measures the heart rate using the LED optical sensor on the device. The sensor detects changes in blood vessel blood flow corresponding to heart pulses. Use of the heart rate function may impact battery life.

Note: The MISSION2 is not a medical grade device. The heart rate data should not be used as a reference for medical diagnosis.

Enable Heart Rate:

1) Go to SETTINGS → WIDGET → HEART RATE: ON.

Check Heart Rate:

1) While on the Watch main screen, press button C to scroll to the Heart Rate widget information.

✻ To ensure heart rate accuracy, the MISSION2 should be worn snuggly and should not be worn on the wrist joint to avoid uneven reflection of the sensor's light beam.
✻ When using the heart rate widget, wearing the watch over objects such as long-sleeved clothing or winter clothing is not recommended.
✻ The heart rate may vary greatly due to light wavelength absorption underwater, which in turn affects the optical detection. Consequently, the function is disabled by default during dive or swimming activities. It can be enabled under those modes' SETTINGS.

Causes of abnormal heart rate readings:

- The heart rate sensor should be kept clean.
- Avoid applying sunscreen or skin lotion in the area of the watch as these may result in an uneven reflection of light.
- Arm hair, tattoos or skin tone, arm movement, subcutaneous blood flow, etc. may all affect heart rate measurements.

- Cold weather may cause lower blood circulation and impact readings. Keeping hands and feet warm will improve the occurrence of the heart rate.
- Individuals with poor blood circulation may receive inconsistent readings.
- Avoid scratching or otherwise damaging the heart rate sensor on the back of the MISSION2

2.2 Sleep Monitoring

The sleep monitoring widget should only be used for night time sleep. Naps and other short-term sleep cannot be monitored accurately.

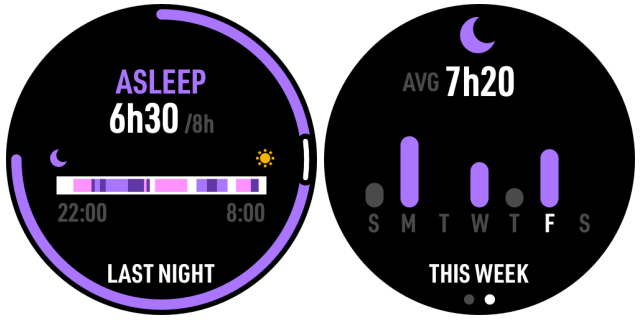
Enable Sleep Monitoring Widget:

1) Go to SETTINGS → WIDGET→ SLEEP: ON
2) Set the desired Sleep Start and End period.

View Sleep Monitoring:

1) While on the Watch main screen, press button C to scroll to the Sleep Monitoring widget.
2) While on the Sleep Monitoring screen, press button B to view weekly sleep data.

Dark: deep sleep | Light: light sleep



The outer band denotes actual sleep time relative to targeted. If the targeted sleep is obtained, the circle will be complete.

Note: the MISSION2 sleep monitoring algorithm is based on device movement during the set sleep interval. If the device is not worn during the set period, the lack of movement will be assumed to be "sleep" time.

> **Quick Tip**: To help ensure the best quality of sleep overnight, it is recommended that the Backlight Wrist Activation be temporarily disabled. Otherwise, movement may cause the backlight light to come on and disturb sleep.

2.3 Steps & Calories

The MISSION2 will count your daily steps and calculate calories burned.

Enable Step & Calories:

1) Go to SETTINGS → WIDGET → STEP & CAL: ON

2) Enter the targeted number of Steps and Calories..

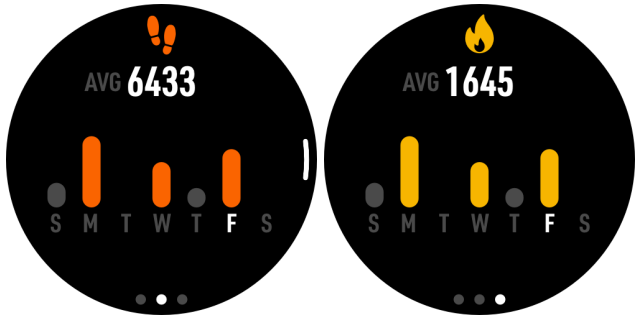
View Steps & Calories:

1) While on the Watch screen, press button C to scroll to the Step and Calories widget.

In the figure above, the orange outer circle is the step counter, and the yellow inner circle represents calories burned.

The increase in steps and calorie consumption will gradually form a circle. When your set target values are reached, it will be a complete circle.

2) While on the Step & Cal screen, press button B to display the weekly calories and steps averages. The target value will be displayed on the middle line.



Note: Abnormal step counts may be caused by vibrations or regular/repetitive arm movements while walking.

2.4 Outdoor

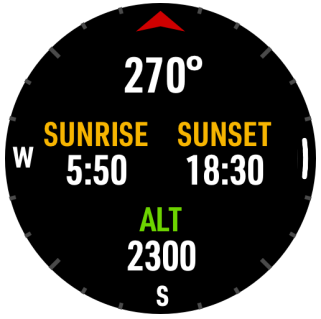
The MISSION2's Outdoor Widget will display sunrise and sunset times, altitude, as well as provide compass functionality.

Enable Outdoor Widget:

1) Go to SETTINGS → WIDGET → OUTDOOR: ON

2.4.1 Sunrise & Sunset Time

The sunrise and sunset times will only be displayed if GPS signals are successfully acquired.



2.4.2 Altitude Calibration

Changes in weather such as high and low pressure areas will affect the reading of altitude and air pressure. When the weather changes frequently, it is recommended that the correct altitude reference value be set if known. If the weather is stable, no reference value setting is required.

While on the Outdoor widget screen, press button B to display the altitude calibration options.

Use GPS Altitude Calibration
Altitude data will be received during GPS positioning. When there is a large altitude deviation or offset, use this option to set the GPS calibrated altitude.

Use Current Altitude Calibration
When there is a large altitude deviation or offset, input the known altitude of the location, such as the altitude displayed at a trailhead, as the reference value to calibrate the current altitude.

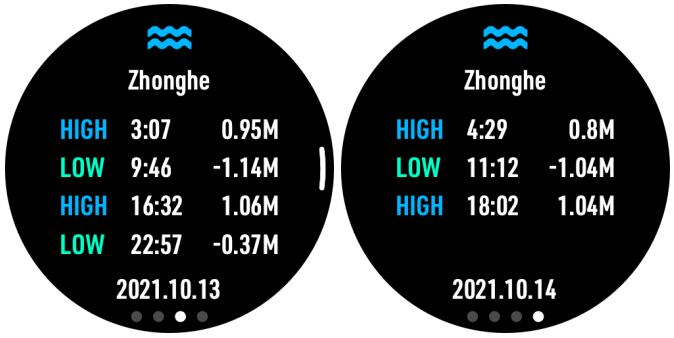
2.4.3 Compass

The MISSION2's compass is magnetically oriented and is subject to interference from nearby electric fields, magnets, and metal objects. Please avoid wearing another computer, compass, or metal objects next to the MISSION2. Calibration is recommended before every dive to ensure the best experience.

Compass Calibration
When a compass calibration is necessary, the MISSION2 will automatically display an infinity "∞" pattern. Move the device in the same pattern to calibrate the compass. Once calibration is complete, the compass bearing and "OK" will be displayed.

2.5 Tides

Tidal information is provided for general reference only. The actual tide levels may be significantly affected by local weather conditions including atmospheric pressure, wind direction, and rain. Users should assess local conditions and use prudent judgment on each dive. Diving with an incorrect assessment of your ability and local conditions can result in injury or even death.



Enable Tides Widget:

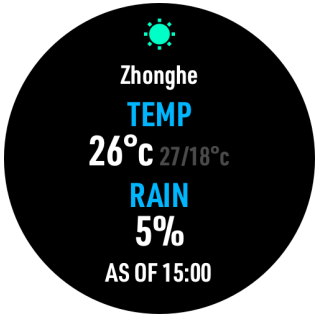
1) **Mobile Phone / ATMOS APP**:
   a) Ensure the mobile phone's GPS is turned on and that the ATMOS App has permissions to obtain location information.
   b) Open the ATMOS App and connect to the MISSION2.
   c) On the App's Your Device screen, select Tides

d) Use the current location acquired through the mobile phone GPS, or add a new location (+).

2) **MISSION2:**
   a) Go to SETTINGS → WIDGET → TIDES: ON
   b) From the Watch screen, press button C to scroll to the Tides widget.

2.6 Weather

Weather information of the current location can be obtained when MISSION2 is connected to the ATMOS App.



Enable / View Weather Widget:

1) **MISSION2:**
   a) Go to SETTINGS → WIDGET → WEATHER: ON
   b) From the Watch screen, press button C to scroll to the weather widget. Note: weather data will not appear until the device has been paired and synced with the ATMOS App.
2) **Mobile Device / ATMOS App:**
   a) Ensure the mobile phone has GPS turned on and that the ATMOS App is allowed to obtain location information.
   b) Open the ATMOS App and pair the MISSION2.
   c) On the App's Your Device screen, select the Weather icon to sync weather information to the MISSION2.

2.7 Stopwatch

While in Watch mode, press and hold button C for 2-3 seconds.

Press button A: Start
Press button B: Mark lap/current time (4 sets can be displayed)
Press button A: Stop
Press button A (when stopped): Reset
Press and hold button D for 2 seconds: Exit

2.8 Alarm Clock

The MISSION2 provides three setable of clock alarms.

1) Go to SETTINGS → ALARM
2) Set the desired alarm time(s)

3. Dive Mode

3.1 Water Auto-on

The MISSION2's Dive Mode Auto-on feature will automatically start the dive activity and change the display to the default dive mode screen. Note: Auto-on is based on a change in pressure at the initial descent and not simply submersion in water. Even though Auto-on may be enabled, it is always a best practice to confirm dive settings prior to each descent and that the dive activity starts appropriately.

Dive mode activation depth: 1.2m

The default dive mode for auto-on is Scuba. The default mode can be changed in the MISSION2's SETTINGS. The set default is shown by the icon at the bottom of the screen in Watch mode. When the default dive mode is set to OFF or when the dive mode icon display has been disabled in Watch Face settings (ATMOS App), no icon will be shown on the screen.

3.2 No Fly Time and Surface Interval

Upper-left: **No fly time** icon (red airplane icon with diagonal slash). This icon displays for 24hrs from the last dive end. When Freediving, the No fly time icon will be displayed when freedives are over 40m.

Because of residual nitrogen in the body, general dive guidance recommends waiting 24 hours from the last dive before flying or otherwise ascending to altitudes above 300m / 1,000ft. The MISSION2 utilizes this guidance. However, your actual dive profiles (e.g., single dive vs. repetitive dives, shallow vs. deep) may affect the interval actually needed. Please consult medical resources if flying in under 24 hours or if an extensive amount of diving has been performed in a short period.

Upper-right: **Surface Interval** (SI) icon.
The Surface Interval counter starts from the moment your dive ends.

3.3 Scuba Mode

3.3.1 Scuba Preparation (Ready) Screen and Operation

1) From the main Watch screen, enter the activity Ready mode by pressing button B and then selecting the activity type.

   The GPS icon will blink until the GPS position has been acquired. After the signal is acquired, the icon will turn green. Depending on the location and amount of obstructions, a signal lock may take several seconds.

2) Press button C to enter the dive mode SETTINGS. As a best practice, it is recommended that all critical dive settings such as Air Mix, PPo2, and Conservatism be verified before each dive. Wrist HR (Heart Rate) is disabled by default in water-related modes. However, it can be enabled prior to the activity start.

3) Press button B button to start the activity.

3.3.2 Scuba Settings

While on the activity Ready screen, press button C to enter the mode SETTINGS.

WARNING!
Do not change any settings unless you understand the impact of those changes. Changes to items such as PPo2 and Conservatism Gradient Factor (GF) will affect decompression calculations and can impact your safety. Always check the Air/Nitrox percentage and MOD before each dive. Incorrect settings may increase the risk of central nervous system (CNS) O2 toxicity. Do not exceed MOD!

Adjustable Functions:

Dive Plan	The Dive Plan function is used to estimate the no-decompression limit (NDL) for diving at the planned depth for a specific time in the future See 3.2.5 Dive Plan
Alarm (Dive)	Time Alarm: Time Alarm display notifies the diver when the set dive time has been reached. (1 set)
	Depth Alarm: Depth Alarm notifies the diver when the set depth has been reached. (1 set)
SPG Alarm	SPG Alarm provides alarm reminders to check the SPG air pressure after set amount(s) of time have elapsed. (10 sets)

PPo2	Oxygen Partial Pressure: Adjustable between 1.2 - 1.6. (default: 1.4). This setting affects Maximum Operation Depth (MOD).
Conservatism	HIGH (GF 35/75) MEDIUM (GF 40/85) LOW (GF 45/95) CUSTOM (Adjustable GF - default 40/85) **Note**: The CUSTOM function is for experienced divers who have a sound understanding of gradient factors.
Dive Site	See 4.1.2 Dive Site
Safety Stop	On/Off. Set the desired Safety Time amount of time (default - 3Min)
SI (Surface Interval) Reminder	On/Off. Set Surface Interval time reminder. After returning to the surface, a notification will be sent when the set amount of Surface Interval time has been reached
Water Type	Depth pressure correction based on Freshwater / Seawater. The density of salt water is about 3% higher than that of fresh water. For the same pressure value, the depth of fresh water will be approximately 3 ft deeper.
Air / Nitrox Setting	AIR / NITROX. AIR: 21% NITROX - adjustable 22-40%.
Tank Volume	Set the dive tank volume and initial pressure (bar/psi). At the dive conclusion, a prompt to enter residual pressure will appear. Entered values are used to determine the Surface Air Consumption (SAC) rate. Note: volume and beginning/ending pressures may also be entered after the dive using the ATMOS App.
Wrist HR / Optical Heart Rate	The heart rate function is disabled by default for diving modes, but can be enabled according to personal needs.
Backlight	Adjust the backlight status (Always On), brightness level and wrist activation.
Reset Nitrogen	Reset the residual nitrogen accumulated by the computer to zero. Warning: Do not reset this setting unless you fully understand the corresponding effects on NDL and DECO requirements!
Reset Setting	Restore activity mode settings to factory defaults

3.3.3 Scuba Screen Layout and Alarms

Predive

Upper-left: Compass heading (the infinity symbol will be displayed when the compass needs to be calibrated)

Mid-left: Water temperature

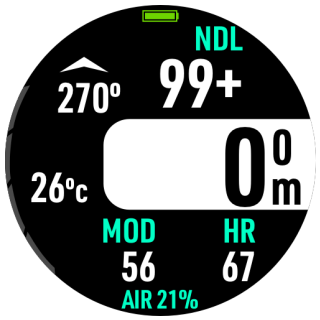
Upper-right: NDL (No Decompression Limit)
(99+ will be displayed if NDL is greater than 99 minutes)

Mid-right: Current depth

Bottom-left: MOD - (Maximum Operation Depth)

Bottom-right: Heart Rate (HR) *if enabled; disabled by default in dive modes

Bottom: Air Mix.
21% = AIR / 22-40% = NITROX



During the Dive

Upper-left: Compass heading

Left: Ascent rate bar (m/ft)

Left: Water temperature

Upper-right: NDL (No Decompression Limit)

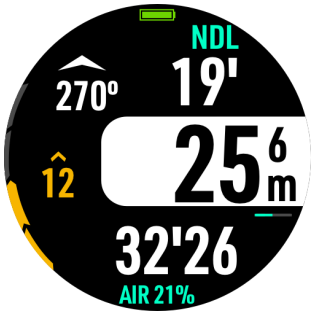
Mid-right: Current depth

Bottom: Dive time
Note: Pressing button C will scroll through the following fields:

- Maximum depth
- Average depth
- TTS
- Heart Rate (if enabled)

Bottom: Air Mix
21% = AIR / 22-40% = NITROX

Button E: Backlight On/Off.

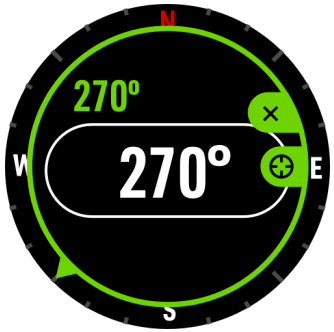


Mark Compass Heading

During the dive, press button B to access the mark heading screen.

Press button B to mark the heading.

Press button A to unmark the heading.



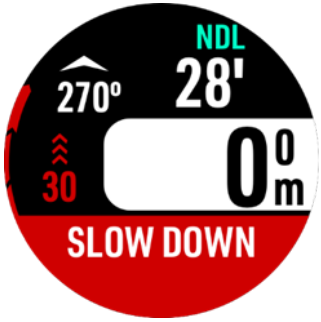
View Compass Heading

A marked heading will be shown on screen as a green pointer arrow.

Press button A to toggle to/from the dive navigation view.

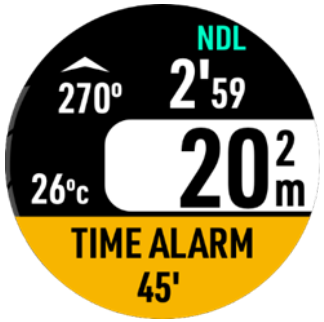
Fast Ascent

When the ascent speed exceeds 13m/min (approx. 42ft/min), the ascent rate bar will turn red. If the rate continues for over 5 seconds, the MISSION2 will notify the diver with a "SLOW DOWN" fast ascent alarm.



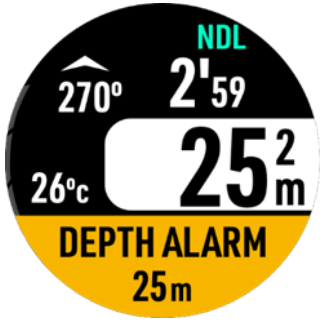
Time Alarm

TIME ALARM notifies the diver when the user-set Dive Time has been reached.



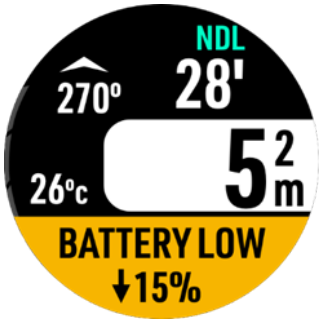
Depth Alarm

DEPTH ALARM notifies the diver when the user-set dive maximum depth has been reached.



Battery Low

BATTERY LOW notifies the diver when the MISSION2's remaining battery life is below 15%.



Safety Stop

SAFETY STOP notifies the diver that the Safety Stop depth has been reached. The default 3 minute Safety Stop begins once the diver has ascended to 6m (approx. 20ft). The Safety Stop countdown continues if the depth stays between between 3-7 meters (approx.10-23 feet).

The Safety Stop alarm can be switched on and off, and can be set according to personal needs and dive plans.

Safety Stop Pause

SAFETY PAUSE notifies the diver that the depth is outside of the Safety Stop range (3-7 meters). The Safety Stop countdown will continue once the Safety Stop depth range is once again obtained. The Safety Stop will be *reset* if the diver subsequently descends to 12m (approx. 40ft).	
Safety Stop Clear	
SAFETY CLEAR notifies the diver when the safety stop is completed.	
Low No Decompression Limit (NDL)	

LOW NDL notifies the diver that the remaining NDL time is less than 3 minutes.	
Decompression Stop (DECO Needed)	
When the NDL is exceeded, decompression stops may be required. If so, the MISSION2 will display a "**DECO NEEDED**" alarm. The NDL indicator will be replaced by "DECO" along with the noted decompression depth. In the example to the right (15m1'), a one minute DECO stop is needed at 15 meters.	

If a decompression stop is needed, please ascend slowly and safely to the noted depth. As ascending impacts decompression requirements, it is possible to remove the decompression stop requirement before actually reaching the noted depth.

Missed Stop

MISSED STOP appears when the diver has ascended above the Deco Stop ceiling depth.

Warning: If MISSED STOP appears, you should safely descend below the Deco Stop depth to continue the required decompression.

Maximum Operation Depth (MOD)

MOD ALARM appears when a diver has exceeded the Maximum Operating Depth based on the current PPo2 settings.

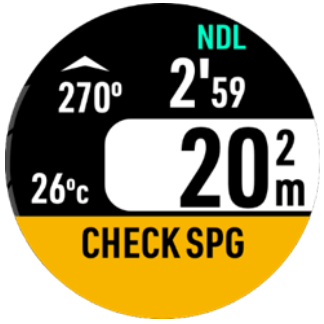
Warning: If MOD ALARM appears, you should immediately and safely ascend to a safer depth to avoid oxygen toxicity complications.

Central Nervous System (CNS) Oxygen Toxicity

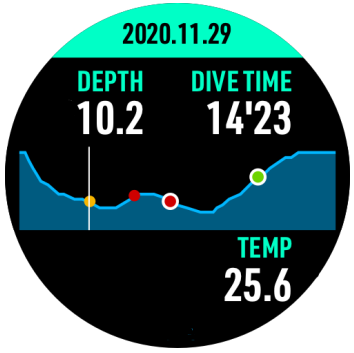
CNS ALARM appears when the calculated central nervous system toxicity loading percentage is greater than 85%.

Warning: If CNS Alarm appears, you should immediately and safely ascend to a safer depth to avoid oxygen toxicity complications!

Time-to-Surface (TTS)	
While in dive mode, TTS (in minutes) can be viewed by pressing button C. TTS represents the calculated time to safely ascend to the surface and is based on the following factors: * an assumed ascent rate of 10m/min (33ft/min) * *includes* decompression stops calculated by the MISSION2 * *excludes* any Safety Stop time.	

Check SPG	
CHECK SPG appears when an SPG alarm reminder time interval has been reached. Up to 10 reminder alarms can be set for a dive. SPG notices are simply a reminder to check the remaining air supply and should not be used in place of frequent SPG air monitoring in accordance with sound diving practices.	

3.3.4 Scuba Log

Scuba Log	
The Scuba dive log can be viewed in SETTINGS → LOGBOOK → SCUBA **Graphs:** Press button B to display the timeline. Press button A or C to advance the time line. **Log Marked Events:** **Green dot**: Safety Stop **Red dot:** Ascent rate too fast **Red dot** (with white border) : Decompression **Yellow dot:** Depth Alert	

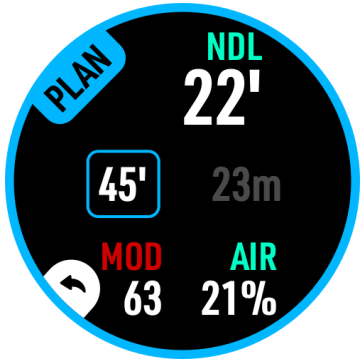
3.3.5 Dive Plan

The MISSION2 Dive Plan feature is used to estimate the No Decompression Limit (NDL) time for the next dive.

Dive Planning:

1) While on the Scuba activity Ready screen, press button C to access SETTINGS.
2) Select Dive Plan
3) Press button A or C to increase/decrease the selected value.
4) Press button B to switch between the Depth field, the Surface Interval field, and OK.

Example: If you plan to dive to 23m after a 45-minute surface interval, you will have a 22-minute NDL.



3.3.6 Altitude

The MISSION2 will automatically track the air pressure at the current location, and it will calibrate the depth value according to the pressure value.

3.4 Freedive Mode

There are 2 Freedive modes: Freedive (Depth mode) and Pool Free (Dynamic Apnea mode).

Warning: If you have recently engaged in other dive activities such as Scuba or Gauge, do not Freedive until the 24 hour no-fly time has passed. This interval will help ensure that residual nitrogen has cleared the body.

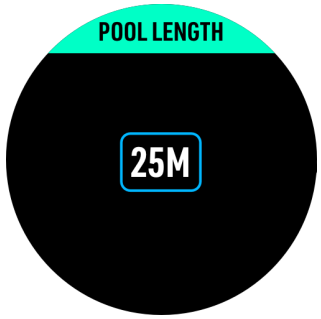
3.4.1 Freedive Preparation (Ready) Screen and Operation

1) From the main Watch screen, enter the activity Ready mode by pressing button B and then selecting the activity type.

   The GPS icon will blink until the GPS position has been acquired. After the signal is acquired, the icon will turn green. Depending on the location and amount of obstructions, a signal lock may take several seconds.

2) Press button C to enter the mode SETTINGS. As a best practice, it is recommended that settings be verified before each dive.

3) Press button B to start the activity.

Depth mode	Dynamic Apnea mode
	  Set/Confirm the pool length before each dive.

3.4.2 Freedive Settings

While on the activity Ready screen, press button C to enter SETTINGS.

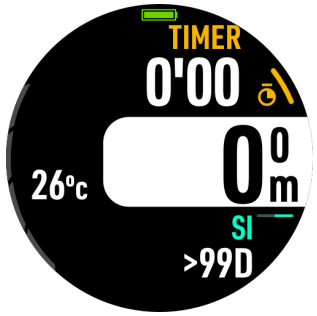
Adjustable Functions:

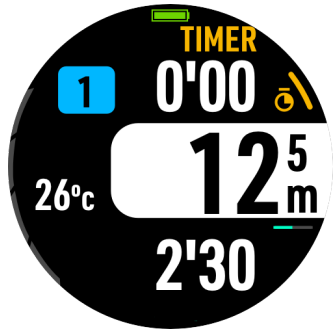
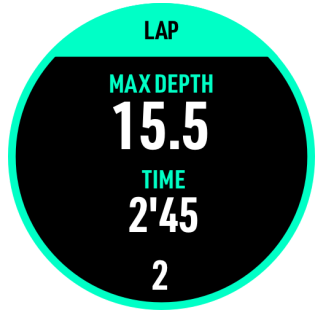
Descent Alarm	Descent Alarm notifies the diver when the set depth has been reached.
Ascent Alarm	Ascent Alarm notifies the diver when the set depth has been reached.
Time Alarm	Time Alarm display notifies the diver when the dive time interval has been reached. (10 sets)
SI (Surface Interval) Notify	Default (2x dive time) Custom Off A “Surface Interval Completed" reminder will appear when the surface interval reaches the interval reminder time.
Dive Site	See 4.1.2 Dive Site
Water Type	Depth correction based on Freshwater / Seawater. The density of salt water is about 3% higher than that of fresh water, and the depth of fresh water will be deeper under the same pressure value
Wrist HR / Optical Heart Rate	The heart rate function is disabled by default during diving modes, but can be enabled according to personal needs

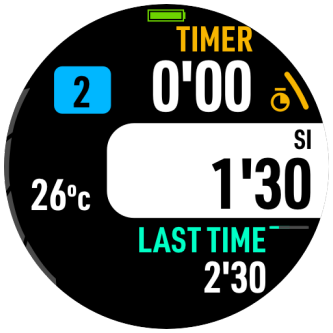
Backlight	Adjust the backlight status (Always On), brightness level and wrist activation.
Reset Setting	Restore activity mode settings to factory defaults

3.4.3 Freedive Screen Layout and Alarms

Depth mode

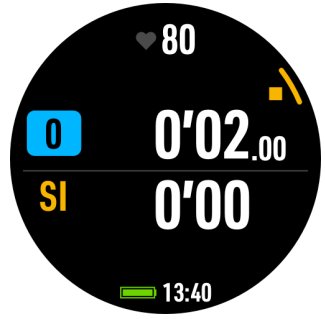
Predive	
Upper-right: Stopwatch **Mid-right:** Current depth **Left:** Water temperature **Bottom-right:** Surface interval time	

During the Dive	
Upper-right: Stopwatch (button A: Start/Reset) **Mid-right:** Current depth **Bottom-right:** Dive time **Upper-left:** Dive count **Left:** Water temperature Button E: Turn the backlight On/Off.	
Post Dive	
After returning to the surface, the maximum depth, dive time, and dive count will be displayed.	

During Surface Interval	
Upper-left: Current count of consecutive dives **Left:** Water temperature **Upper-right:** Stopwatch timer **Mid-right:** Surface interval time **Bottom-right:** Press button C to scroll through maximum time, maximum depth, heart rate, time, and compass heading Press button D for SETTINGS, and to save & exit.	

Dynamic Apnea mode

Predive	
Upper: Heart rate **Mid:** Sets | Dive time **Mid:** Surface interval time **Bottom:** Battery status and time of day Press button A to start	

During the Dive	
Press button A to end.	

End of Dynamic Apnea Dive	
Enter distance	

During Surface Internal	
The surface interval (SI) time will continue to accumulate. The blue frame sets will increase with the number of dynamic apnea dives.	

3.4.4 Surface Interval (S.I.) Alert

Default setting:

- **Depth within 30 meters**: (S.I.) Alert time is double the dive time.
- **Depth beyond 30 meters**, (S.I.) Alert time is dive depth divided by 5 (minutes).

3.5 Gauge Mode

Gauge mode only displays depth, time, water temperature, and ascent rate with the functions of depth gauge and underwater timer.

Warning: Decompression calculations ***are not*** performed in Gauge mode. To promote diver safety, Scuba mode will be locked for 24 hours after the last Gauge mode dive. At the user's discretion, Scuba mode can be unlocked under Scuba > Settings. Please be aware that Scuba mode dives performed less than 24 hours after a Gauge dive will not factor in nitrogen build up from the previous Gauge dives.

3.5.1 Gauge Preparation (Ready) Screen and Operation

1) From the main Watch screen, enter the activity Ready mode by pressing button B and then selecting the activity type.

   The GPS icon will blink until the GPS position has been acquired. Depending on the location and amount of obstructions, a signal lock may take several seconds.

2) Press button C to enter the mode SETTINGS. As a best practice, it is recommended that settings be verified before each dive. Wrist HR (Heart Rate) is disabled by default in water-related modes. However, it can be enabled prior to the activity start.

3) Press button B button to start the activity.

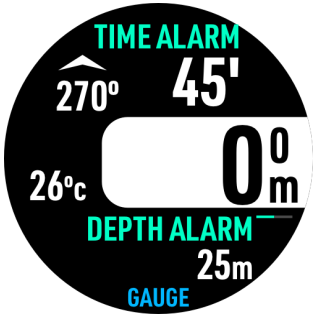
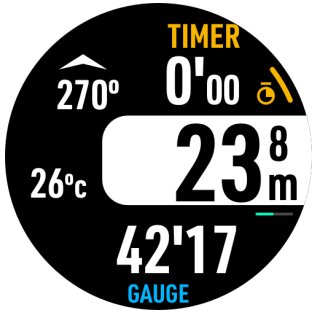
3.5.2 Gauge Settings

While on the activity Ready screen, press button C to enter the mode Settings.

Adjustable Functions:

Dive Alarm	Time Alarm: Time Alarm display notifies the diver when the Dive Time has been reached. (1 set)
	Depth Alarm: Depth Alarm notifies the diver every minute when the maximum depth has been reached. (1 set)
Dive Site	See 4.1.2 Dive Site
Water Type	Depth correction based on Freshwater / Seawater. The density of salt water is about 3% higher than that of fresh water, and the depth of fresh water will be deeper under the same pressure value
Wrist HR / Optical Heart Rate	The heart rate function is disabled by default during diving modes, but can be enabled according to personal needs.
Backlight	Adjust the backlight status (Always On), brightness level and wrist activation.
Reset Setting	Restore activity mode settings to factory defaults.

3.5.3 Gauge Screen Layout and Alarms

Predive	
Upper-left: Compass heading **Mid-left:** Water temperature **Upper-right:** Set time alarm **Mid-right:** Current depth **Bottom-right:** User-set depth alarm	
During the Dive	
Upper-right: Stopwatch (button A: Start/Reset) **Mid-right:** Current depth **Bottom-right:** Dive time **Upper-left:** Compass **Mid-left:** Water temperature **Button E:** Turn the backlight On/Off.	

4. GPS

Because of the MISSION2's waterproof case and compact size which limits antenna strength, the GPS function is most suitable for outdoor areas.

Factors that affect GPS signal acquisition and positioning:
GPS positioning is done through electromagnetic waves. When obstacles are encountered, signal reception will be affected and positioning cannot be guaranteed.

The following are common GPS disturbances:
* High-rise buildings: With cement walls of high-rise buildings and alleys on both sides, the signal received may be relatively weak.
* Forest roads: Dense leaves and branches act as obstructions which will reduce the penetration of GPS electromagnetic waves.
* High-voltage / Antenna towers: electromagnetic waves of different frequencies generated by high-voltage or radio antenna towers may interfere with the GPS signal reception.
* Cloudy days & air pollution: thick clouds, water vapor in the clouds, and components in air pollution may affect the GPS signal reception.

4.1 Dive GPS

Acquiring a GPS signal

1. Ensure that the MISSION2 is in an open area with an unobstructed view of the sky. Make sure the watch face is pointed to the sky. Depending upon the location, it may take 5-8 minutes to acquire a signal.

Or,

2. Switch to any dive activity mode → press button C to go to SETTINGS → DIVE SITE → NEARBY SITES, wait for GPS to be acquired.

Or,

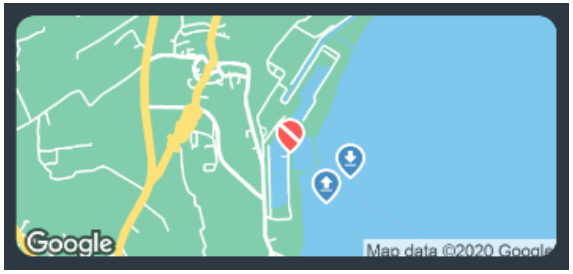
3. Switch to a dive mode Ready screen. A blinking GPS icon indicates that the GPS is being positioned. The icon will stop blinking when the positioning is complete.

Quick Tip: Use the "sync GPS" function in the ATMOS App to sync the satellite ephemeris data to the MISSION2. This step will shorten the time needed for the device to acquire the GPS signal.

4.1.1 Water Entry and Exit Records

Entry point: Descending while GPS is acquired will mark the dive entry point. This information will be shown on the map in the dive log in the ATMOS App.

Exit point: The MISSION2 will automatically attempt to locate and record the water exit point at the end of dive. Note: this function is dependent upon successful GPS positioning at the conclusion of the dive.



After the dive log is synced to the ATMOS App, the Entry and Exit points will be displayed on the dive site map. The arrow down icon is the water Entry location, and the arrow up icon is the water Exit location.

4.1.2 Dive Site

The Dive Site function can be accessed in Scuba, Freedive, or Gauge Mode's SETTING prior to descent. Note: As this relies on GPS location data, GPS positioning must be complete.

1. **Nearby Sites**: Show 10 nearby dive sites in the ATMOS database.

2. **Add**: Add a new dive site. By default, the site will be named by date and GPS location.

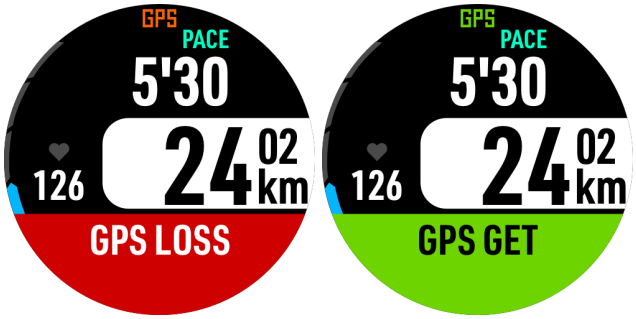
3. **My List**: View your added Dive Sites

Quick Tip: Once a Dive Site has been added to the MISSION2, use the ATMOS App and Edit My List to rename the Dive Site.

4.2 Sport GPS

Outdoor sports: GPS positioning should be completed before starting a running, cycling, swimming, and ski/boarding activity. Performing sports without GPS positioning will affect the accuracy of logging and calories burned.

When the GPS signal is interrupted, the GPS LOSS alarm will appear until the signal is re-received. Once the signal is re-obtained, GPS GET will be briefly displayed.



5. Activities

5.1 Running Mode

The Running Mode provides two activity options: **RUN** (outdoor mode) and **RUN INDOOR**.

5.1.1 Run Preparation (Ready) Screen and Operation

Run Mode:

1) From the main Watch screen, enter the activity Ready mode by pressing button B and then selecting the activity type.

   The GPS icon will blink until the GPS position has been acquired. After the signal is acquired, the icon will turn green. Depending on the location and amount of obstructions, a signal lock may take several seconds.

2) Press button C to enter the mode SETTINGS. As a best practice, it is recommended that settings be verified before each activity.

3) Press button B button to start the activity.

Run Indoor Mode:

1) From the main Watch screen, enter the activity Ready mode by pressing button B and then selecting the activity type.

   No GPS positioning or route tracking is performed in this mode.

2) Press button C to enter the mode SETTINGS. As a best practice, it is recommended that settings be verified before each dive.

3) Press button B to start the activity.

Run	Run Indoor
	

5.1.2 Running Terminology:

PACE: The time it takes to run or complete a kilometer or mile. For example, a runner with a 7 minute pace will complete a kilometer (or mile) in 7 minutes (assuming a constant pace).

STRIDE: The distance between two feet after initial contact of one foot.

CAD: Cadence - the number of steps per minute.

Lap Count: Record split pace by distance or time as a tool for runners to control or adjust their pace.

5.1.3 Running Settings

While on the activity Ready screen press button C to enter the mode SETTINGS.

Adjustable Functions:

Fields	Modify the fields displayed on the running sub-screen. Field options: Ascent, Descent, Alt, Temp, Dist, Time, Pace, KCAL, Avg Pace, Pitch, Stride, Step, Avg HR, Max HR
Alarms	Distance: notifies when the set distance has been reached.
	Duration: notifies when set time (duration) has been reached.
Lap	Manual Lap: Press button A to manually count the lap.
	Auto Lap: There are two modes for automatic lap count: Distance: Count laps automatically when the set distance has been reached. Duration: Count the lap automatically when the set time (duration) has been reached.
Auto Pause	When movement stops, the MISSION2 will automatically pause the activity until movement resumes.
Stride	Enter the stride distance - the default value is calculated from the height value entered by the user.
Wrist HR / Optical Heart Rate	Heart rate sensing function can be enabled according to needs.
Sensors	Add sensors, such as a heart rate monitor.
Backlight	Adjust the backlight status (Always On), brightness level and wrist activation.
Reset Setting	Restore activity mode settings to factory defaults.

5.1.4 Running Screen Layout and Alarms

Running Main Screen

Upper-mid: Heart rate

First field: Distance

Second field: Running time

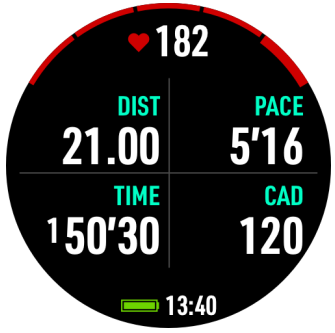
Third field: Pace

Bottom-mid: Battery status and time of day

Running Sub-screen

Press button C to toggle between the main activity screen and the activity sub-screen.

Use the FIELDS option in the activity's SETTINGS to customize the primary data fields shown on the sub-screen.

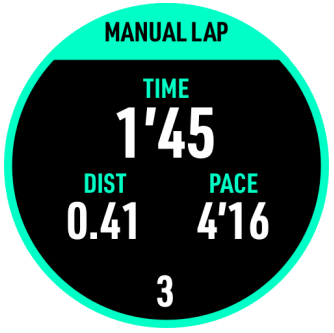


Automatic Lap Count

The lap will be counted automatically when the set time or distance has been reached.

Manual Lap Count

Press button A to manually count the lap.



Auto Pause	
Auto Pause enabled: when movement stops, the MISSION2 will automatically pause the activity until movement resumes.	
Pause and Save	

While on the main Run screen, press button D to pause the activity. Press button A to resume the activity. Press button C to save and end the activity.	

5.2 Cycling (Bike) Mode

Cycling mode provides two modes: Bike (outdoor) and Bike Indoor.

5.2.1 Cycling Preparation (Ready) Screen and Operation

Bike Mode:

1) From the main Watch screen, enter the activity Ready mode by pressing button B and then selecting the activity type.

   The GPS icon will blink until the GPS position has been acquired. After the signal is acquired, the icon will turn green. Depending on the location and amount of obstructions, a signal lock may take several seconds.

2) Press button C to enter the mode SETTINGS. As a best practice, it is recommended that settings be verified before each activity. External sensors can be enabled/disabled for the activity, and display fields can be customized prior to the activity start.

3) Press button B button to start the activity.

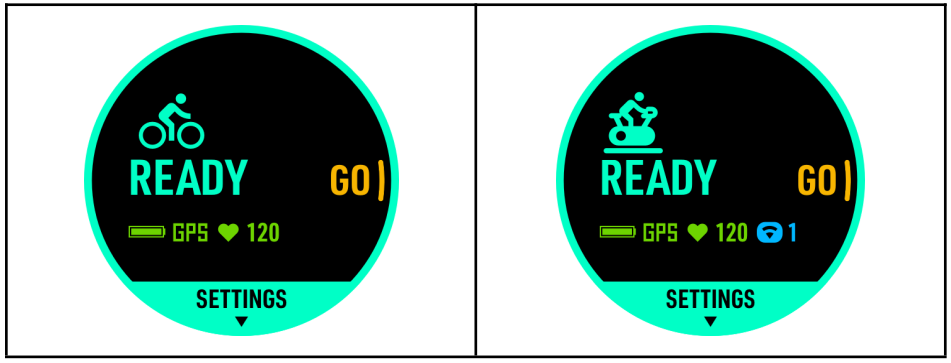
Bike Indoor Mode:
GPS positioning and tracking is disabled under Bike Indoor Mode.

1) From the main Watch screen, enter the activity Ready mode by pressing button B and then selecting the activity type.

2) Press button C to enter the mode SETTINGS. As a best practice, it is recommended that settings be verified before each activity. External sensors can be enabled/disabled for the activity, and display fields can be customized prior to the activity start.

3) Press button B button to start the activity.

Cycling Mode	Indoor Cycling Mode



5.2.2 Cycling Terminology:

Speed: The distance that may be traveled per hour. For example: a cyclist with a constant 25 kph rate can travel 25km in 1 hour.

CAD: Cadence. The number of pedal rotations per minute. For example, one foot passing the same position on the circumference 90 times in one minute will be 90 rpm (Revolutions per Minute). The recommended cadence: 90~110 rpm.

Lap Count: Record the speed of the segment by distance or time, as a tool to control or adjust the speed.

Wheel Diameter: Enter the wheel diameter of the bicycle. For example, 700*23C for road bikes is equivalent to 2096mm.

Wheel sizes are usually marked on the sides of the tires. This is not a complete list. If you do not have your wheel diameter information, you can search the Internet and calculate the sizes that are not in the list.

Wheelset			
RIMS	mm	RIMS	mm
24 × 1.75	1890	27 × 1-3/8	2169
24 × 1-1/4	1905	29 x 2.1	2288
24 × 2.00	1925	29 x 2.2	2298
24 × 2.125	1965	29 x 2.3	2326
26 × 7/8	1920	650 x 20C	1938
26 × 1-1.0	1913	650 x 23C	1944
26 × 1	1952	650 × 35A	2090
26 × 1.25	1953	650 × 38B	2105
26 × 1-1/8	1970	650 × 38A	2125
26 × 1.40	2005	700 × 18C	2070
26 × 1.50	2010	700 × 19C	2080
26 × 1.75	2023	700 × 20C	2086
26 × 1.95	2050	700 × 23C	2096
26 × 2.00	2055	700 × 25C	2105
26 × 1-3/8	2068	700C Tubular	2130
26 × 2.10	2068	700 × 28C	2136
26 × 2.125	2070	700 × 30C	2146
26 × 2.35	2083	700 × 32C	2155
26 × 1-1/2	2100	700 × 35C	2168
26 × 3.00	2170	700 × 38C	2180
27 × 1	2145	700 × 40C	2200
27 × 1-1/8	2155	700 × 44C	2235
27 × 1-1/4	2161	700 × 45C	2242

5.2.3 Cycling Settings

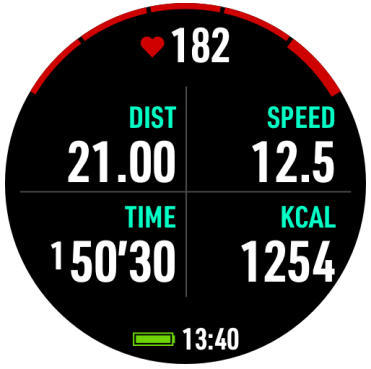
While on the activity Ready screen, press button C to enter SETTINGS.

Adjustable Function:

Fields	Modify the fields displayed on the cycling sub-screen. Field Options: Ascent, Descent, Dist, Time, Speed, KCAL, CAD, AVG Speed, Avg HR, Max HR, Slope, Alt, Temp
Alarms	Distance: notifies when the set distance has been reached.
	Duration: notifies nwhen set time (duration)

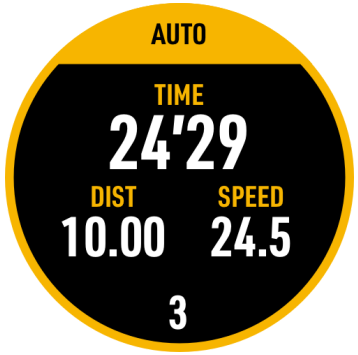
	has been reached.
Lap	Manual Lap: Press button A to manually count the lap
	Auto: There are two modes for automatic lap count: Distance: Count the lap automatically when the set distance has been reached. Duration: Count the lap automatically when the set time has been reached.
Auto Pause	When movement stops, the MISSION2 will automatically pause the activity until movement resumes.
Wheel	Enter the wheel diameter (mm) of the bike.
Wrist HR / Optical Heart Rate	Optical heart rate sensing function can be enabled according to needs.
Sensors	Add external sensors, such as a heart rate monitor or cadence sensor
Backlight	Adjust the backlight status (Always On), brightness level and wrist activation
Reset Setting	Restore activity mode settings to factory defaults

5.2.4 Cycling Screen Layout and Alarms

Cycling Main Screen	
Upper: Heart rate **First field:** Distance **Second field:** Cycling Time **Third field:** Speed **Bottom**: Battery Status and Time of Day	
Cycling sub-screen	
Press button C to toggle between the main activity screen and the activity sub-screen. Use the FIELDS option in the activity's SETTINGS to customize the primary data fields shown on the sub-screen.	

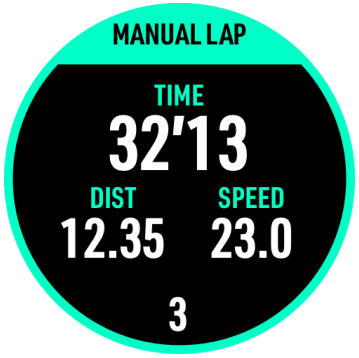
Automatic Lap Count

The lap will be counted automatically when the set time or distance has been reached.



Manual Lap Count

Press button A to manually count the lap.



Auto Pause

Auto Pause enabled: when movement stops, the MISSION2 will automatically pause the activity until movement resumes.

Pause and Save

While on the main Bike screen, press button D to pause the activity.

Press button A to resume the activity.

Press button C to save and end the activity.

5.3 Swimming Mode

There are 2 Swim modes: Pool and Open Water.

5.3.1 Swim Preparation Screen (Ready) and Operation

Pool Mode: When using Pool Mode for the first time, you will be prompted to enter the length of the pool. After this distance is set, the MISSION2 will use the same setting the next time you swim in Pool mode. If the distance changes, go to the mode SETTINGS to change it.

1) From the main Watch screen, enter the activity Ready mode by pressing button B and then selecting the activity type.

2) Press button C to enter the mode SETTINGS. As a best practice, it is recommended that settings be verified before each activity.

3) Press button B to start the activity.

Open Water Mode:

1) From the main Watch screen, enter the activity Ready mode by pressing button B and then selecting the activity type.

   The GPS icon will blink until the GPS position has been acquired. After the signal is acquired, the icon will turn green. Depending on the location and amount of obstructions, a signal lock may take several seconds.

2) Press button C to enter the mode SETTINGS. As a best practice, it is recommended that settings be verified before each activity.

3) Press button B to start the activity.

Pool Mode	Open Water
	

5.3.2 Swimming Terminology:

PACE/100M: Pace to complete 100 meters.

SWIM TOTAL: Accumulated number of strokes.

SWOLF: a measure of swimming efficiency.

The SWOLF calculation is as follows: The number of strokes to complete a lap + the number of seconds to complete a lap. The lower the SWOLF value, the higher the swimming efficiency.

5.3.3 Swimming Settings

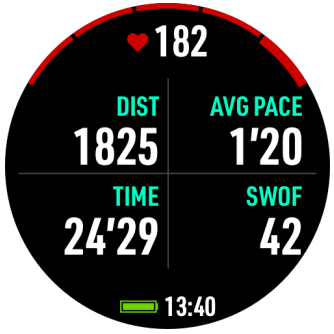
While on the Ready screen, press button C to enter the mode SETTINGS.

Adjustable Function:

Fields	Customize the fields displayed on the Swim subscreen. Field options: Swim Lap, Avg HR, Max HR, Temp, Total Stroke, Dist, Time, Pace, KCAL, SWOLF
Alarm	Distance: notifies when the distance has been reached.
	Duration: notifies when set time (duration) has been reached.
Pool Length (Pool)	Enter the pool distance: 25m, 50m, or custom.
Lap (Open Water)	Lap Count Button: Press button A to manually count the lap
	There are two modes for automatic lap count: Distance Lap Count: Count the lap automatically when the set distance has been reached. Time lap count: Count the lap automatically when the set time has been reached.
Wrist HR / Optical Heart Rate	Optical heart rate sensing function can be enabled according to needs.
Wear Wrist	Right Hand / Left Hand
Backlight	Adjust the backlight status (Always On), brightness level and wrist activation.
Reset Setting	Restore activity mode settings to factory defaults

5.3.4 Swimming Screen Layout and Alarms

Pool Main Screen	
Upper: Heart rate **First field:** Distance **Second field:** Number of laps and swimming time **Third field:** 100m pace **Bottom:** Battery status and time of day	

Open Water Main Screen	
Upper: Heart rate **First field:** Distance **Second field:** Swimming time(without turning) **Third field:** 100m pace **Bottom:** Battery status and time of day	
Pool and Open Water Sub-screen	
Press button C to toggle between the main activity screen and the activity sub-screen. Use the FIELDS option in the activity's SETTINGS to customize the primary data fields shown on the sub-screen.	

Pause and Save	
While on the main Swim screen, press button D to pause the activity. Press button A to resume the activity Press button C to save and end the activity.	

5.3.5 Inaccurate Distance

When swimming in a pool, the following conditions may result in inaccurate information:

- Stopping before reaching the end of a lap
- Changing swimming strokes
- Swimming using a floating board without hand stroke
- Dynamic Apnea without hand stroke
- Using informal strokes such as side kicking, one arm strokes, back floating, etc.

When swimming outdoors, it is necessary to ensure that the GPS Satellite reception is successful before the activity. If the positioning is not successful, the accuracy of the daily log record will be affected. The following items may help improve accuracy.

- Wait an additional minute or two before jumping into the water. This will allow the watch to further triangulate your current position.
- Swim with a stroke where the wrist comes out of the Water

5.4 Ski / Board

Due to the characteristics of the battery, using MISSION2 in a sub-zero environment may encounter a situation where it cannot be powered on. It is recommended to power it on before entering an extremely cold environment. Avoid rinsing it with hot water when returning from a sub-zero environment to avoid damage caused by thermal expansion.

5.4.1 Ski / Board Preparation (Ready) Screen and Operation

1) From the main Watch screen, enter the activity Ready mode by pressing button B and then selecting the activity type.

   The GPS icon will blink until the GPS position has been acquired. After the signal is acquired, the icon will turn green. Depending on the location and amount of obstructions, a signal lock may take several seconds.

2) Press button C to enter the mode SETTINGS. As a best practice, it is recommended that settings be verified before each activity.

3) Press button B button to start the activity.

Note: Cold weather can impact blood circulation and may cause inaccurate heart rate readings.

Skiing	Snowboarding
	

5.4.2 Ski / Board Terminology:

Speed: The distance one could ski per hour at a constant rate.

Lap Count: Record the speed of the segment by distance or time, as a tool to control or adjust the speed.

5.4.3 Ski / Board Settings

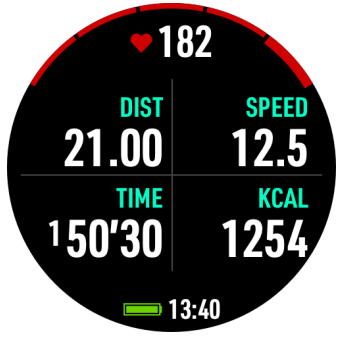
While on the activity Ready screen, press button C to enter the mode SETTINGS.

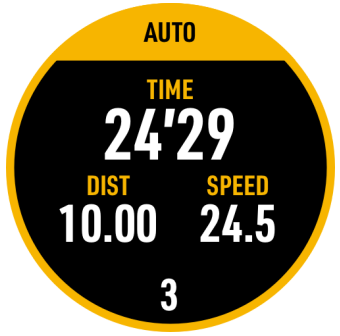
Adjustable Functions:

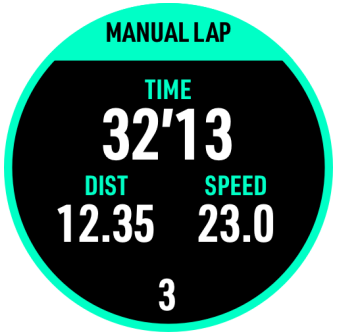
Fields	Modify the fields displayed on the Ski/ Board sub-screen. Field Options: Slope, Dist, Alt, Time, Speed, KCAL, Temp, Avg HR, Max HR
Alarms	Distance reminder: notifies when the set distance has been reached.
	Time Alarm: notifies when set Time has been reached.
Lap	Manual Lap: Press button A to manually count the lap
	Auto: There are two modes for automatic lap count: Distance: Count the lap automatically when the set distance has been reached. Duration: Count the lap automatically when the set time has been reached.
Auto Pause	When movement stops, the MISSION2 will automatically pause the activity until movement resumes.
Wrist HR / Optical Heart Rate	Optical heart rate sensing function can be enabled according to needs.
Sensors	Add external sensors, such as a heart rate monitor
Backlight	Adjust the backlight status (Always On), brightness level and wrist activation.

Reset Setting	Restore activity mode settings to factory defaults

5.4.4 Ski / Board Screen Layout and Alarms

Ski / Board Main Screen	
Upper: Heart rate **First field:** Distance **Second field:** Activity time **Third field:** Speed **Bottom:** Battery status and time of day	
Ski / Board Sub-screen	
Press button C to toggle between the main activity screen and the activity sub-screen. Use the FIELDS option in the activity's SETTINGS to customize the primary data fields shown on the sub-screen.	

Automatic Lap Count	
The lap will be counted automatically when the set time or distance has been reached.	

Manual Lap Count	
Press button A to manually count the lap.	

Auto Pause	
Auto Pause enabled: when movement stops, the MISSION2 will automatically pause the activity until movement resumes.	

Pause and Save	
While on the main Ski/Board screen, press button D to pause the activity. Press button A to resume the activity. Press button C to save and end the activity.	

6. Storage and Maintenance

* The MISSION2 bezel, buttons, and charging port are made with highly corrosion-resistant 316 Stainless Steel. However,

some corrosion may still occur if substances such as dirt, sweat, and salt water are not cleaned off after use. After each day of activities, rinse the MISSION2 thoroughly with fresh water.

* To store your MISSION2, fully charge the computer then turn the MISSION2 off. Store your MISSION2 in a cool, dry place, protected from damaging shocks, heat, humidity, and away from sunlight.

* The MISSION2 uses a lithium battery which may slowly discharge over time. When the MISSION2 is not in use, ATMOS recommends fully charging the device once every 2 months to extend the lifespan of the battery.

* Static electricity might cause MISSION2 to malfunction and strong static electricity can damage the electronic components.

* MISSION2 has a compass function, so strong magnetic fields such as one emitted by medical equipment shall be avoided as it may cause the compass to fail or malfunction.

* The MISSION2 is a rugged device which can withstand normal daily use and sport activities. However, drops and strong impacts may cause malfunctions and screen cracks.

* Avoid leaving the MISSION2 in direct sunlight or in vehicles exposed to sunlight and excessively high temperatures. Extremely high or low temperatures will cause malfunction and damage to the electronic components of MISSION2.

7. Warranty Policy

Consumer Limited Warranty

Limited Warranty

Products are warranted to be free from defects in materials or workmanship for one year from the date of purchase. To obtain warranty service, an original or copy of the sales receipt from the original retailer is required.

Warranty service is valid in the country of purchase

With the exception of consumables or parts with limited resistance, such as the case, the glass, battery and band, this product is guaranteed to be free from defects in materials or workmanship within the warranty period.

During the warranty period, and upon proof of purchase, the product will be repaired with ATMOS replacement or refurbished parts, or replaced by a new or refurbished device of the same or a similar model.

To obtain these warranty services, please take or send the product, postage paid, with a copy of the sales receipt or other proof of purchase showing the date of purchase, to a member of the ATMOS Authorized Warranty Network or the store where purchased.

The customer shall NOT have any claim under this warranty for repair, replacement or refund if:

1) The problem is caused by improper, rough or careless treatment.
2) The problem is caused by a fire or other natural calamity.

3) The problem is caused by improper repair or adjustments made by anyone other than an
ATMOS service center.
4) The problem is wear on the case, glass, battery, or band;
5) The proof of purchase is not presented when requesting service.
6) The warranty period has expired.

NEITHER THIS WARRANTY NOR ANY OTHER WARRANTY OR GUARANTEE, EXPRESS OR
IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, SHALL EXTEND BEYOND THE WARRANTY PERIOD. NO RESPONSIBILITY IS ASSUMED FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM INACCURACY OR MATHEMATICAL INACCURACY OF THE PRODUCT OR LOSS OF STORED DATA. SOME STATES OR JURISDICTIONS DO NOT ALLOW LIMITATIONS OF HOW LONG AN IMPLIED WARRANTY LASTS AND SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR THE EXCLUSION OR LIMITATION BY A PARTY OF LIABILITY FOR DEATH OR PERSONAL INJURY CAUSED BY THAT
PARTY'S NEGLIGENCE. THE ABOVE LIMITATIONS OR EXCLUSIONS SHALL NOT IN SUCH CASES AppLY. THIS WARRANTY GIVES YOU SPECIFIC RIGHTS, AND YOU MAY ALSO HAVE JURISDICTION, OR COUNTRY TO COUNTRY WARRANTY. NOTHING IN THIS WARRANTY AFFECTS YOUR STATUTORY RIGHTS.

8. Servicing

There are no user serviceable parts inside the MISSION2. Do not tighten or remove the faceplate screws. Clean with water ONLY. Any solvents may damage the MISSION2 dive computer. Service of the MISSION2 may only be done at ATMOS or by an authorized service center.

For service requests, contact

▶ The store where the device was purchased.

Regional Distributor / Dealer

▶ Where to buy/contact

9. MISSION2 SPECS

GENERAL

Model	MISSION2
Water Rating	100m (EN13319)
Size	50 x 50 x 16.8mm
Weight	83g
Lens Material	SApphire Crystal Lens
Display	1.2", sunlight-visible, transflective, hi-res color display
Bezel & Button Material	Stainless steel 316L
Case Material	Fiber-reinforced polymer
Watch Strap	Silicone, Width 26 mm, Quick release
Rechargeable Battery	✔ Lithium Ion, factory replaceable

Memory/ History	100 logs
Languages	EN, KO, JA, ZH-CN, ZH-TW
Metric and Imperial units	✔
Operating Temperature (diving)	0° C to +45° C / +32° F to +113° F (±2°C)
Operating temperature (non-diving):	-20 °C to +60 °C / -4 °F to +140 °F
Battery Life	Watch Mode (Heart Rate off): Up to 7 days Sport Mode (GPS & Heart Rate on): Up to 7 hours Dive Mode: Up to 20 hours (Battery life varies by use)
Firmware Upgradeable	✔

CLOCK

Time, Date	✔
GPS Time Sync	✔
Dual time	✔
Alarm Clock	✔
Stopwatch	✔
24-hour military time	✔

HEALTH MONITORING

Heart Rate	✔
Sleep	✔
Calories Burned	✔
Step Counter	✔

SENSORS

GPS	✔ (GPS, GLONASS)
Barometric Altimeter	✔
Digital Compass	✔
Gyroscope	✔
Accelerometer	✔
Thermometer	✔
Depth Sensor	✔

DAILY SMART FEATURES

Smartphone Compatibility	Most common iOS / Android phones supported
Smart Notifications	✔
Sunrise & Sunset Times	✔
Weather	✔
Tidal	✔

DIVING FEATURES

Modes	Air / Nitrox / Freedive / Freedive Pool / Gauge
Decompression Model	Bühlmann ZHL-16c (GF configurable)
Gas	✔ Single gas (Oxygen 21-40%)
In-water activation	✔
Depth & Time Alarms	✔
Safety Stop	✔
Dive Ascent Indicator	✔
No Fly Time	✔

Surface Time	✔
Freedive Ascent / Descent Alarm	✔ (10 sets)
Freedive Stopwatch	✔
Dive Planner	✔
Po2	1.2-1.6
Fresh/ Salt water	✔
Backlight	✔ (Auto-on on Dive)
Altitude Adjustment	✔ (Automatic)
Digital Compass	✔
Mark Dive Entry & Exit GPS Locations	✔ (Surface use only)
Dive spot GPS guidance	✔ (Surface use only)
Alarm Methods	Visual, Vibration and Audible Buzzer
Alerts & Alarms	Fast Ascent | Safety Stop | Low NDL | Deco Stop | Deco Stop Ceiling Violation | Dive Time | Depth | Low Battey | MOD | CNS | S.I. Notify | Check SPG
Residual Tissue Loading Reset	✔
Digital Dive Log	ATMOS App (iOS / Android)

SPORT

Running	✔ (indoor / outdoor)
Biking	✔ (indoor / outdoor)
Swimming	✔ (indoor / outdoor)
Skiing	✔

What's in the box

Included Items	MISSION2 Standard silicone band (Width 26mm, Length 135-230mm) Watch strap pins (2 pcs) Charging cable Screen protector (2 pcs) Warranty card

10. CONTACT

Global: Find the Regional Distributor / Dealer

► Where to buy/contact

Taiwan - Headquarters

► ATMOS Co., Ltd.
16F-7, No. 258, Liancheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)
+886-2-82271899
info@atmos.App