



REACTOR[®]

***Graviton 2 Tide Ana-Dig
Instructions & Warranty***



Welcome

REACTOR watches were conceived, designed and built to withstand the real world of sport enthusiasts. We are very proud of what we have accomplished and we are excited to welcome you to our ever-growing family.

While your REACTOR watch is built for maximum durability, you should ALWAYS:

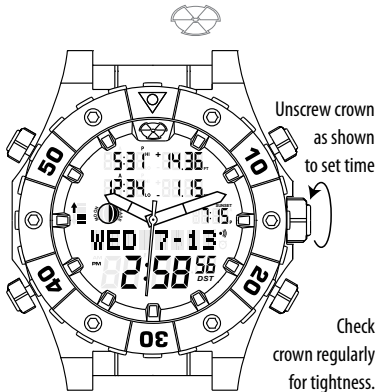
- 1) rinse thoroughly after use in salt water
- 2) keep crown securely screwed down



IMPORTANT!

Tide watches are not intended to be used for navigation purposes. Local NOAA tide charts should be used when absolute accurate tide information is necessary. The tide data used in this watch is derived from the best data available today, but its accuracy may vary by location, time of year, weather condition, and settings performed by the user.

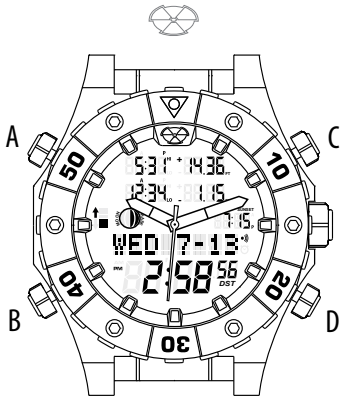
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Setting Analog Time

Your Graviton watch is fitted with a screw-down crown to improve water resistance. To set the analog time, unscrew the crown by turning counter clockwise until the crown pops away from the case. Pull crown out gently until it clicks and set the time. Screw the crown down firmly clockwise to ensure a good seal. It is a good idea to routinely check the crown for tightness to ensure the water tight integrity of the watch.

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BUTTON DESCRIPTION

- A) SET/EL - press to activate EL backlight, hold to enter set mode.
- B) MODE - press to cycle between different watch modes.
- C) ST/SP - press to toggle 12/24 time format, hold to toggle daylight savings time.
- D) RESET - press to toggle hourly chime, hold to turn off LCD (pressing any button wakes LCD when turned off).



Setting Digi Time & Date

In normal Time mode, press and hold A to enter set mode. Push C or D to change the hour, then push B to change set mode to minutes, then seconds. Wait until the analog second hand reaches twelve, then press C to synchronize the seconds. Press B again to advance to set year, month and day, using C and D to change each as needed. Push A to exit set mode.

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Note on daylight savings time: If you live in an area that uses daylight savings time (DST), it is CRITICAL to the proper functioning of the tide system to use the DST indicator on the watch and NOT set the time ahead one hour using the set function. Always set the watch to standard time, then activate or deactivate DST mode by pushing and holding the C button while in normal time mode. A DST indicator will appear under the seconds.

AM
PM 08:38 56
DST

TIDE



Tide Mode Methodology

Graviton 2 has been programmed with tide chart accurate information for 275 locations throughout N. America and the Pacific through 2020. Different tide charts for the same locations will tend to vary a bit depending on their prediction criteria, but Graviton should provide you with more than acceptable accuracy for all programmed locations.

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In addition Graviton provides an offset of \pm 180 minutes to allow you to add your specific location if it is not in the database.

Graviton allows you to store your four favorite locations into short term memory for quick access. Location # 1, (HOME) is linked to the tide info in the normal time mode, showing the next 2 upcoming tides, heights, sunrise and set and moon phase. Locations 2, 3 and 4 can be accessed in the tide mode.

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Shows first two tides of the day

A P
 5:34^{HI} + 8:38^{FT}
 A P
 11:24^{LO} - 1:10^{FT}



SUNRISE SUNSET
 7:15^A

HOME

AM PM
 2:58 56
 DST

TIDE

This line switches to display location name



Tide Mode - Set Locations

From the time mode, push B to enter tide mode. HOME will display briefly and then change to the name of your home location. This beach drives the tide time, sunrise, sunset and moon phase information that is displayed in normal time mode (see following pages). The first two tides of the day will be displayed. Press C to view the next two tides. Push and hold A to enter set mode. The country or U.S. state of your current home beach will display.

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Push C and D to cycle through the states and countries in memory. When you reach the desired state or country, push B to enter BEACH mode, then push C and D again to cycle through the beaches. When the desired beach is located, push A to select and exit set mode. Push D to advance to BEACH 2 and repeat location setting procedure. Repeat for BEACH 3 and BEACH 4 if desired.

Using the Offset Feature: If the location you want isn't programmed into the watch, you

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can still get fairly accurate tide info using the offset feature. Complete the location setting previously described to choose the closest locale from the database. After choosing the location, push B to enter offset mode. Determine the offset by comparing a paper tide chart for the desired location to the data in the watch. If desired tides are later, enter a positive offset by pressing C. If earlier, enter a negative offset by pressing D. Push A to select and exit set mode.

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Tide Mode - Future Tides

While in tide mode, you can check tides for a date other than today for any of the beaches loaded into one of the four memory positions. Choose either HOME, or BEACH 2, 3 or 4, then push and hold button C. The location name will change to the date. Press C to advance, and D to go back. Each press changes to the next (or previous) two tides. Push and hold C again to return to today.

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Confused?

While the Graviton 2 is a very advanced watch, it does take some time to learn all of its capabilities. More detailed instructions are available on our website.

And of course, if you still need a little more help, our staff is available M-F from 8-5 Pacific to answer any questions. Call us at 800-291-6600.

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Tide Graph & Moon Phase

The tide graph displays a quick visual reference of the current tide state. The arrow indicates a rising or falling tide, while the graph displays where the tide is in the HI/LO cycle. In the example at right, the tide is rising and is half way from LO to HI tide.

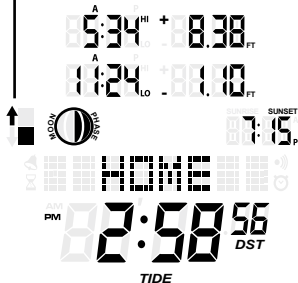
The moon phase display is straightforward. When all the segments are black, the moon is full. No black segments, no moon.

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Arrow shows rising or falling tide.

Graph shows tide state relative to HI/LO





Tide Info in Time Mode

It is important to note the difference between tide info displayed in TIME mode and TIDE mode. TIDE mode always displays the tides for the date selected, even if those tides have passed. In TIME mode, the next two tides for the HOME location are displayed, even if one or both of those tides occur on the next day.

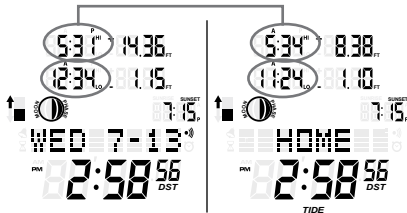
Sunrise and set times update automatically 60 minutes after the displayed time has passed.

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Time mode always displays the next 2 tides.

Tide mode displays tides for a given date.



Time mode displays next two upcoming tides, even if occurring on next day

Tide mode displays tides on set date, even if passed



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Chronograph Mode

From the time mode push button B two times; CHRONO will be displayed. To start the chronograph, push C once, the chrono will begin counting up. To stop push C again. To reset the chrono, push and hold D (chrono must be stopped). To take split times, push D while the chrono is running; the display will freeze for about 5 seconds and then revert back to the chrono mode.

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Features three independent countdown
timers with three modes each.



Timer Mode

From the time mode, push B three times to enter Timer mode. Push D to select timer 1, 2, or 3. Push and hold A to enter set mode - hours will flash. Push C to advance and D to retard hours. Push B to change set to minutes, then C or D again to change. Push B and repeat for seconds. Push B again to enter timer function selection and C to change the timer mode (modes explained below).

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The Timer has three modes - stop, repeat and up. CD.ST is countdown stop, which will countdown once and stop. CD.RP indicates countdown repeat, which will countdown and repeat up to 99 times. CD.UP is countdown – count up, which will countdown, then count up until stopped.

Push button A when finished to exit setting mode. Push C to start and stop the timer. Push and hold D with the timer stopped to reset.



Alarm Mode

From the time mode, push button B four times to enter Alarm mode. The watch features two daily alarms; switch between them by pushing button D. To activate or deactivate each of the alarms, push button C. To set the alarm, push and hold A to enter set mode. The hours will begin to flash, push the C or D button to adjust the hours, push B to advance to the minutes and C or D to adjust.

cont'd



Symbols change when alarm is set



Features two independent alarms.

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Be sure to check the AM/PM indicator to the left of the hour display to ensure setting the correct time. When finished, push A to exit set mode.

When the alarm sounds, pressing any button will silence it. The alarm will sound each day unless deactivated by entering alarm mode and pushing C to turn the alarm off.

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Warranty

Our warranty is simple and straight forward: if anything goes wrong with your REACTOR watch in the first two years of ownership, we will either repair or replace it at our expense.

Here's the "not so small print": Abuse and normal wear and tear are not considered manufacturing defects and are not covered by our warranty.

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Service

If your watch needs service, return it to:

Reactor Service
5312 Derry Ave., Suite B
Agoura Hills, CA 91301
(800) 291-6600

Include a note explaining the problem, a copy of your sales receipt, phone number, e-mail address, and return mailing address. We're committed to returning your watch in 5 days or less.

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REACTOR Watches

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