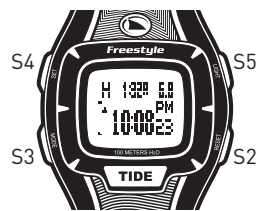# GROMATIDE

Model FS81246
Model FS81247
Model FS81248

FEATURES
- Tide data for 75 beaches worldwide
- 180 minute offset
- Displays present and future tide data
- 9 programmable favorite locations
- Optional big time with shark fin animation
- 100 meters H20

CONTROL BUTTONS
S1: Start Button
S2: Stop/Reset Button
S3: Mode Button
S4: Set Button
S5: Light Button

DISPLAY MODE
The watch has six display modes: NORMAL TIME, TIDE, CHRONO, TIMER, HEAT TIMER and ALARM.

To change from one display mode to another, press S3 button once

NOTE: In any setting mode, if there is no manipulation for about 120 seconds, the watch will automatically exit the setting procedure.

TO SET THE TIME AND CALENDAR
1. Press S3 button to select NORMAL TIME mode.
2. Press and hold S4 button for two seconds until the "SET" message appears and the Time Zone blinks on the display.
3. Press S1 button or S2 button to toggle between Time Zone 1 and Time Zone 2.
4. Press S3 button once, the Hour digits (including AM/PM for 12-hour format) will blink.
5. Press S1 button to increase the digits by one unit, or press S2 button to decrease the digits by one unit. Holding down either button will speed up the process.
6. Press S3 button once, the Minute digits will blink.
7. Press S1 button or S2 button to set the Minute digits.
8. Press S3 button once, the Second digits will blink.9.   Press either S1 button or S2 button to set the Second digits to zero.
10. Press S3 button once, the Month digits will blink.
11. Press S1 button or S2 button to set the Month digits.
12. Press S3 button once, the Date digits will blink.
13. Press S1 button or S2 button to set the Date digits.
14. Press S3 button once, the Year digits will blink.
15. Press S1 button or S2 button to set the Year digits.
16. Press S3 button once, the Time Format will blink.
17. Press S1 button or S2 button to toggle between 12-hour and 24-hour Time Format.
18. Press S3 button once, the Date Format will blink.
19. Press S1 button or S2 button to cycle among MM-DD-YY (month-date-year), DD-MM-YY (date-month-year) and YY-MM-DD (year-month-date) to set the Date Format.
20. Press S3 button once, the Day (of the week) Language will blink.
21. Press S1 button or S2 button to cycle among English, French, Portuguese and Spanish to set the Day Language.
22. Press S3 button once, the Hourly Chime status will blink.
23. Press S1 button or S2 button to toggle between ON and OFF of Hourly Chime.
24. Press S3 button once, the Button Beep status will blink.
25. Press S1 button or S2 button to toggle between ON and OFF of Button Beep.
26. Press S3 button once, the Big Time Option status will blink.
27. Press S1 button or S2 button to toggle between ON and OFF of Big Time Option.
28. Press S3 button once, the Tide Height unit will blink.
29. Press S1 button or S2 button to toggle between feet and meters for Tide Height unit.
30. After finished making all the settings, press S4 button to confirm the settings.

NOTE: The date is displayed in the current Date Format, but the setting sequence shall always be month, date, and then year, regardless of the Date Format chosen.

NOTE: The available days of the month shall be determined by the month setting. If February is set, the available days of the month shall be 1 to 29. If February 29 is set for a year that is not a leap year, the date shall be corrected to February 28 upon exit from the setting procedure.

NOTE: For Big Time Option, if OFF is .

selected, only date/time and tide/time formats will be available in NORMAL TIME mode; if ON is selected, the Big Time display format shall also be available in NORMAL TIME mode

NOTE: The Time Format and Date Format settings apply only to the selected Time Zone; while the settings of Day Language, Hourly Chime, Button Beep, Big Time Option and Tide Height unit apply to both Time Zones.

DIFFERENT DISPLAY FORMATS IN NORMAL TIME MODE
There are three display formats in each Time Zone in NORMAL TIME mode: date/time, tide/time and big time.

To change from one Time Zone to another, press S2 button once.

To change from one display format to another, press S1 button once.

In date/time display format, the primary time day and date are shown in the top of the display; the time in hours, minutes and seconds is shown in the bottom of the display. The data is shown in the Date and Time Formats of the displayed Time Zone, which are set in this mode along with the date and time.

If there is previous and upcoming tide data, the left-hand part of the display shows the tide status for the currently selected tide location. Otherwise, no graphic is displayed.

In tide/time display format, the display is identical to the date/time format except that the next tide (high or low) for the currently selected tide location, the time of the next tide, and its height are shown in place of the day and the date. The tide time is shown in the same format as the primary time. The Tide Height is shown in the current Tide Height unit selected.
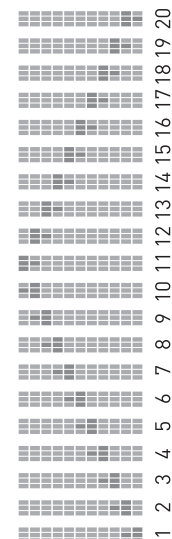
If no previous or upcoming tide data is available, this format shall be unavailable and the format shall revert to date/time.

In big time display format, only the hours and minutes of the primary time are shown, no AM/PM indication.

A shark fin animation shall occur once per minutes. For even minutes, the fin shall move from left to right one dot column at a time, and for odd minutes, the fin shall move from right to left.

The big time display format is included only if the Big Time Option is on.

NOTE: The current tide level and direction (rising or falling) shall be presented by a tide status graphic, which is represented by an arrow head two dots high and three dots wide. The steps shall appear as follows:

▬▬▬▬▬▬▬	20
▬▬▬▬▬▬▬	19
▬▬▬▬▬▬▬	18
▬▬▬▬▬▬▬	17
▬▬▬▬▬▬▬	16
▬▬▬▬▬▬▬	15
▬▬▬▬▬▬▬	14
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▬▬▬▬▬▬▬	12
▬▬▬▬▬▬▬	11
▬▬▬▬▬▬▬	10
▬▬▬▬▬▬▬	9
▬▬▬▬▬▬▬	8
▬▬▬▬▬▬▬	7
▬▬▬▬▬▬▬	6
▬▬▬▬▬▬▬	5
▬▬▬▬▬▬▬	4
▬▬▬▬▬▬▬	3
▬▬▬▬▬▬▬	2
▬▬▬▬▬▬▬	1

In displays 1 through 10, the tide is rising; while in display s 11 through 20, the tide is falling. When the time of day advances to the minute after the time of high tide, display 11 is shown; when the time of day advances to the minute after the time of low tide, the sequence repeats beginning with display 1.

TO USE TIDE DATA
For displaying tide information of current time and location,
1. Press S3 button to select TIDE mode. The favorite number and the name of current tide location will appear.
2. After two seconds, the next upcoming tide (high or low), base on the primary time, for the current tide location will be displayed. The date will be displayed in the top line, the next tide will be displayed in the middle line followed by the time of that tide (with a superscript A/P representing AM/PM in 12-hour format), and the height of the next tide will be displayed in the bottom line (including minus sign if necessary).
3. Press S1 or S2 button to display the previous and next tide respectively.
4. Press and hold S1 button or S2 button until the "SCAN" message appears to initiate date scanning in the forward or backward direction respectively.
5. Release either button when the desired date is displayed.
6. After abandoning the date scanning procedure, while the "SCAN" message is still displayed, press S1 button or S2 button to move forward or backward respectively the displayed date by one day. Press and hold the corresponding buttons to re-initiate date scanning.

NOTE: If no previous or upcoming tide data is available, the sentence "NO TIDE DATA FOR DATE" will be displayed.

NOTE: The date, time and tide height unit will be displayed in the formats of the primary time set in NORMAL TIME mode.

NOTE: If the displayed time represents DST (daylight savings time), which means that the time was adjusted from the stored tide data, the DST flag will appear.

NOTE: Scanning shall stop automatically if the last date for which there is tide data is reached.

For setting tide location,
1. Press S3 button to select TIDE mode. The favorite number and the name of current tide location will appear.
2. Press S4 button, the "SET" message appears and the FAV (favorite) number blinks on the display. The default favorite number is the one for the current location.
3. Press S1 button or S2 button to move forward or backward respectively the favorite number and therefore the corresponding location name to be selected.
4. Press S3 button, the geographical REGION will blink.
5. Press S1 button or S2 button to move forward or backward respectively the REGION to be selected.
6. Press S3 button, the geographical LOCATION will blink.
7. Press S1 button or S2 button to move forward or backward respectively the LOCATION to be selected.
8. Press S3 button, the DST (daylight savings time) status will blink.
9. Press S1 button or S2 button to move forward or backward respectively the DST status to be selected. If AUTO is selected, the watch shall determine when the location is on DST; if OFF or ON is selected, the DST status is forced to the selected status all the time. Please note that the current DST status is shown with the DST flag.
10. Press S3 button, the custom location selection will blink.
11. Press S1 or S2 button to toggle between YES and NO. If NO is selected, that step is the end of the setting sequence. Otherwise, the sequence continues to allow setting the time offset to the tide data and the 16 characters of the custom location name.
12. Press S3 button, the time offset (in the unit of minutes) to the tide data for the custom location will blink.
13. Press S1 button or S2 button to increase or decrease respectively the time offset (the available offsets are -180, -170, ..., -10, 0, +10, ..., +170, +180 minutes). The offset has no impact on the DST status.
14. Press S3 button, the first character of the 16-character custom location name will blink.
15. Press S1 button or S2 button to cycle forward or backward respectively the selected character. Press S3 button to proceed to the next character.
16. After finished making all the settings, press S4 button to confirm the settings.

TO USE THE CHRONOGRAPH
For the measurement of elapsed time,
1. Press S3 button to select CHRONOGRAPH mode.
2. Press S1 button to start counting.
3. To stop counting, press S2 button. Press S1 button to resume from where it left off.
4. To reset to zero, press S2 button once to stop counting and then press S2 button again.

NOTE: For the first hour, the CHRONO time is displayed in the MM.SS hh (minutes.second hundredths) format. After one hour, the CHRONO time is displayed in HH:MM SS (hours:minutes.seconds) format.

NOTE: The CHRONO can count up to a maximum time of 99:59.59 (99hours:59minutes.59seconds).

TO SET THE TIMER
1. Press S3 button to select TIMER mode.
2. Press S4 button, the "SET" message appears and the Hour digits blink on the display.
3. Press S1 button to increase the digits by one unit, or press S2 button to decrease the digits by one unit. Holding down either button will speed up the process.
4. Press S3 button once, the Minute digits will blink on the display.
5. Press S1 button or S2 button to set the Minute digits.
6. Press S3 button once, the Second digits will blink on the display.
7. Press S1 button or S2 button to set the Second digits.
8. Press S3 button once, the action to be taken at the end of a countdown will blink.
9. Press S1 button or S2 button to toggle between STOP and REPEAT. If STOP is selected, the TIMER stops; if REPEAT is selected, the TIMER repasts its countdown for 99 times.
10. After finished making all the settings, press S4 button to confirm the settings.

NOTE: The TIMER can count up to a maximum time of 23:59.99 (23hours:59minutes.59seconds).

TO USE THE TIMER
1. Press S3 button to select TIMER mode.
2. Press S1 button to start a countdown.
3. To stop counting, press S2 button once. Press S1 button to resume from where it left off.
4. To reset the TIMER, press S2 button

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once to stop counting and then press S2 button again.
5. Upon completion of a countdown, if STOP is selected as the action to be taken, the TIMER stops at zero ,a tune will be emitted and the backlight will flash; if REPEAT is selected, the TIMER repeats its countdown with the rep number updated. If the TIMER reset time is less than 30 seconds, a beep will be emitted. Otherwise, a tune will be emitted and the backlight will flash.

TO SET THE HEAT TIMER
1. Press S3 button to select HEAT TIMER mode.
2. Press S4 button, the "SET" message appears and the Minute digits blink on the display.
3. Press S1 button to increase the digits by five units, or press S2 button to decrease the digits by five units. Holding down either button will speed up the process.
4. After finished making all the settings, press S4 button to confirm the settings.

NOTE: The HEAT TIMER can count up to a maximum time of 35.00 (35minutes).

TO USE THE HEAT TIMER
1. Press S3 button to select HEAT TIMER mode.
2. Press S1 button to start a countdown.
3. To stop counting, press S2 button once. Press S1 button to resume from where it left off.
4. To reset the HEAT TIMER, press S2 button once to stop counting and then press S2 button again.
5. Upon completion of a countdown, a tune will be emitted and the backlight will flash.

NOTE: The HEAT TIMER is independent of the TIMER. Both may be running at the same time.

TO SET THE ALARM TIME
1. Press S3 button to select ALARM mode.
2. Press S4 button, the "SET" message appears and the alarm entry to set blinks on the display.
3. Press S1 button or S2 button to toggle between ALARM 1 and ALARM 2.
4. Press S3 button, the Hour digits (including AM/PM for 12-hour format) will blink.
5. Press S1 button to increase the digits by one unit, or press S2 button to decrease the digits by one unit. Holding down either button will speed up the process.
6. Press S3 button, the Minute digits will blink.
7. Press S1 button or S2 button to set the Minute digits.
8. Press S3 button, the alarm frequency will blink.
9. Press S1 button or S2 button to cycle forward or backward respectively the alarm frequency

to be selected (DAILY, WEKDAYS, WEEKENDS, day of the week and WKLY).
10.After finished making all the settings, press S4 button to confirm the settings.

NOTE: The ALARM TIME displayed is in the same Time Format as the primary time.

NOTE: A tune will go off and the backlight will flash for 20 seconds at the designated time when the ALARM is activated.

NOTE: The alarm will automatically be activated after being set.

WHEN AN ALARM OR HOURLY CHIME GOES OFF
A tune will go off by the hour if the Hourly Chime function is activated and the same will happen at the designated time when the ALARM is activated. To stop the tune, press any button.

If the alarm tune is done without any user interruption, the watch will automatically enter a snooze mode. The ALARM will go off again after 5 minutes but for only once.

TO USE THE BACKLIGHT
Press S5 button to turn on the backlight for three seconds.

To reduce carbon foot print, these Freestyle instructions are printed with soy inks on recycled paper.

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WATCH DISPLAY	LOCATION

WEST CST USA

Huntingt	Huntington Beach, CA
Trestles	Trestles, San Clemente, California
Oceansd	Oceanside, California
La Jolla	La Jolla, California
Humboldt	Humboldt Bay, California
Ocean B.	Ocean Beach, outer coast
Mvricks	Mavericks, California
St. Cruz	Santa Cruz, California
Morro B.	Morro Bay, California
Pismo B.	Pismo Beach, California
Gaviota	Gaviota, California
Rincon	Rincon, California
Ventura	Ventura, California
Malibu	Malibu, California
Redondo	Redondo Beach, California
Anchorag	Anchorage, Alaska
Elliot B	Seattle, Washington
Seaside	Seaside, Oregon
Newport	Newport, Oregon

EAST CST USA

Sebastn	Sebastian Inlet, Florida
N. Miami	North Miami Beach, Florida
St. Aug	St. Augustine Beach, Florida
Hamptn H	Hampton Harbor, New Hampshire
Nauset H	Nauset Harbor, Cape Cod, Massachusetts
Montauk	Montauk Point, Long Island Sound, New York
Manasqn	Manasquan Inlet, USCG Station, New Jersey
Atlantic	Atlantic City (Steel Pier), New Jersey
Ocean Ct	Ocean City (fishing pier), Maryland
Rehoboth	Rehoboth Beach, Delaware
Virginia	Virginia Beach, Virginia
C. Hattrs	Cape Hatteras, North Carolina
Wrightsv	Wrightsville Beach, North Carolina
Myrtle	Myrtle Beach, South Carolina

HAWAII USA

Haleiwa	Haleiwa, Oahu Island, Hawaii
Hanalei	Hanalei Bay, Kauai Island, Hawaii
Banyans	Banyans, Big Island, Hawaii
Ma'alaea	Ma'alaea, Maui Island, Hawaii
Lahaina	Lahaina, Maui Island, Hawaii
Sandy B	Sandy Beach, Oahu Island, Hawaii

GULF CST USA

Pnma Cty	Panama City Beach, Florida
Naples	Naples Pier, Florida
Galvestn	Galveston (Pleasure Pier), Texas
Corp Chr	Corpus Christi, Texas

ISLANDS CARIBB

San Juan	San Juan, Puerto Rico
Bdgetown	Bridgetown, Barbados

CANADA

Tofino	Tofino, British Columbia

MEXICO

Prt Escn	Puerto Escondido, Oaxaca, Mexico
Mazatlan	Mazatlán, Sinaloa, Mexico
Ensenada	Ensenada, Baja California Norte, Mexico

CENTRAL AMERICA

Pta Arns	Punta Arenas, Costa Rica
Cristobl	Cristóbal, Panama
Libertad	La Libertad, El Salvador

PACIFIC ISLANDS

Teahup.	Teahupoo, Tahiti
Tavarua	Tavarua, Fiji

GUAM

Agana	Agana, Guam

AUSTRLIA

Sydney	Sydney Beaches, Australia
Bells B.	Bells Beach, Australia
Marg Rvr	Margaret River, Australia
Phlp Isl	Phillip Island, Australia
Newcastle	Newcastle, Australia

NEW ZEALAND

Raglan	Raglan, New Zealand
Hobart	Hobart, Tasmania

SOUTH AMERICA

Rio de J	Rio de Janeiro, Brazil
Floriano	Florianópolis, Brazil

EUROPEAN

Bordeaux	Anglet
Ferrol	El Ferrol Del Caudillo, Spain
Newquay	Imham, UK
Portrush	Portrush, Northern Ireland
Canary	Canary Island

ASIA

Bali	Bali, Indonesia
Le Port	Le Port, Reunion Island
Muroto	Muroto
Irago	Irago
Maizuru	Maizuru

SOUTH AFRICA

Durban	Durban, South Africa

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