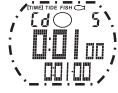## 10: Timer Mode

The Timer Mode provides 3 Count Down Timer functions:

1. Single Count Down [S]. Timer Stops automatically when it reaches "0"
2. Count Down and Then Count Up [U]. Press Button C to Stop Timer (not automatic stop)
3. Count Down Repetitive [r]. When the watch reaches "0", it automatically resets and repeats the countdown again. Press Button C to Stop Timer (not automatic stop)

Single Count Down (S)

Count Down then Count up (U)

Count Down Repetitive (R)

- From TIME Mode, Press Button B twice to enter Timer Mode.
- Press & Hold Button C to enter Timer Setting Mode. "Hold to Set" appears and then Minutes will flash.
- Press Button B to change setting followed by Button C to confirm and move to the next setting:
  - Minutes
  - Hours
  - Timer Function: [S, U or r]
- Press Button A once setting is complete
- To start the timer, Press Button C from Timer Mode. Each time the watch reaches "0" the alarm will sound for 16 seconds. If vibrate mode is chosen the watch will vibrate for 10 seconds.
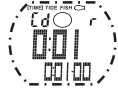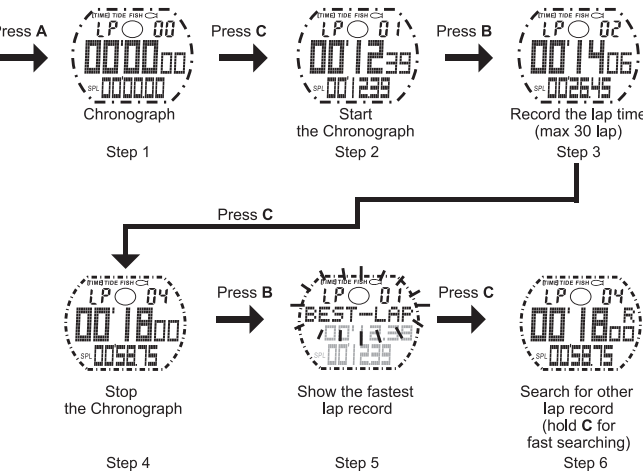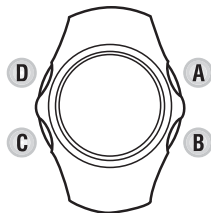
11: Chronograph

This watch is equipped with a chronograph to keep track of elapsed time and individual lap times (30 lap memory).

- From Time Mode, press button A 3 times to enter Chronograph Mode " CHRONO".
- If display is not reset, press and hold Button C to reset and clear data.
- Press Button C to start the timer.
- Press Button B to record lap time. Press B for each new lap. Lap time appears in the center display, Lap number at the top right and total elapsed time appears in the bottom display.
- Press C to stop the Chronograph.
- Press B for memory recall and Best Lap. Press C to scroll thru the data more quickly.
- To clear press B to stop scrolling and then press and hold C to re-set all data.

|		
Press **A** → Chronograph — Step 1	Press **C** → Start the Chronograph — Step 2	Press **B** → Record the lap time (max 30 lap) — Step 3
Stop the Chronograph — Step 4	Press **B** → Show the fastest lap record — Step 5	Press **C** → Search for other lap record (hold **C** for fast searching) — Step 6

12: Watch Care

- Watch can be wiped clean with a cloth, lightly moistened with fresh water. Apply mild soap if there are stubborn stains or marks. Never expose the watch to strong chemicals such as gasoline, cleaning solvents, acetone, alcohol, or insect repellents as they may damage the seals, case and finish.
- Never allow the watch to come into direct contact with personal care items such as cologne, perfume, hair products, sun block creams or other toiletries as these can cause deterioration of the plastic parts of the watch. If the watch comes into contact with these or any other chemicals, wipe them off immediately with a soft, dry cloth.
- This watch contains precise electronic sensors and components. Never disassemble or attempt to repair or service your watch yourself. All repairs and battery replacements should be done by a trained & certified Watch Repair technician. Have dead batteries replaced promptly as dead batteries left in a watch can leak and damage the components.
- Do not expose the watch to extreme temperature variances, extreme heat or cold, or extended exposure to direct sunlight.
- Avoid severe impacts or drops onto hard surfaces, rough use and shocks.
- Store the watch in a safe, dry place when it is not being worn.
- Do not fasten the watch strap/band too tightly. You should be able to insert your finger between the strap and your wrist.
- Your watch is designed to withstand certain pressures of water resistance and is rated for a particular depth and water activity. 30 Meters is splash resistant but not rated for water sports or immersion in water. Do not operate the buttons underwater.

13: Site Data List: USA

	Country	City	GMT	Latitude	Longitude	Lunitidal Interval
1.	US	Anchorage, AK	-9	61°N	150°W	05:44
2.	US	Baltimore, MD	-5	39°N	77°W	06:15
3.	US	Bridgeport, CT	-5	41°N	73°W	11:11
4.	US	Boston, MA	-5	42°N	71°W	11:15
5.	US	Charleston, SC	-5	33°N	80°W	07:19
6.	US	Fall River, MA	-5	42°N	71°W	08:05
7.	US	Jacksonville, FL	-5	30°N	81°W	07:20
8.	US	Los Angeles, CA	-8	34°N	118°W	09:24
9.	US	Miami Beach, FL	-5	26°N	80°W	07:40
10.	US	New Bedford, MA	-5	42°N	71°W	08:02
11.	US	New Haven, CT	-5	41°N	73°W	11:11
12.	US	Newport Beach, CA	-8	34°N	118°W	09:22
13.	US	New York, NY	-5	41°N	74°W	08:09
14.	US	Norfolk, VA	-5	37°N	76°W	08:51
15.	US	Oakland, CA	-8	38°N	122°W	12:08
16.	US	Philadelphia, PA	-5	40°N	75°W	01:10
17.	US	Providence, RI	-5	42°N	71°W	07:58
18.	US	Portland, ME	-5	44°N	70°W	11:10
19.	US	Portland, OR	-5	46°N	123°W	05:02
20.	US	San Diego, CA	-5	33°N	117°W	09:21
21.	US	San Francisco, CA	-8	38°N	122°W	11:30
22.	US	Santa Monica, CA	-8	34°N	118°W	09:26
23.	US	Seattle, WA	-8	48°N	122°W	04:23
24.	US	Tampa, FL	-5	28°N	82°W	01:40
25.	US	Virginia Beach	-5	37°N	76°W	07:01
26.	US	Washington, DC	-5	39°N	77°W	07:35
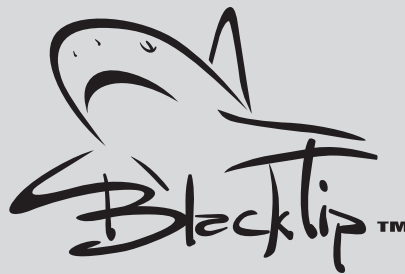
BLACKTIP FISHING WATCH

Instruction Booklet and Care Guide

Fishing Watch: #13411293

Manufactured by West Marine Inc.

$C\epsilon$

West Marine

1-800-262-8464
wmCustomerService@westmarine.com

P.O. Box 50070
Watsonville, CA 95077-0070

1: INTRODUCTION

Congratulations on the purchase of your BlackTip Fishing Watch.
This multi-function digital watch is an accurate and reliable electronic instrument which is designed for outdoor activities. Please carefully read and follow the watch instructions and care information to ensure that you are able to enjoy your timepiece for years to come.

2: FUNCTIONS & PRODUCT SPECIFICATION

Time Mode:
- Clock with 12 Hour or 24 Hour Display
- 5 Independent Alarms + 1 Fishing Alarm: Specific Date
  Monthly Alarm
  Daily Alarm in Specific Month
  Daily Alarm
  Hourly Chime
- Dual Time (two time zones)
- Moon Phase: Icon Display
- Sunrise / Sunset
- 3 Timer Functions

Tide Mode
- Display of High/Low Tide, Countdown to the next High/Low Tide, Tide Prediction, Display of Tide Movement over a specific day.
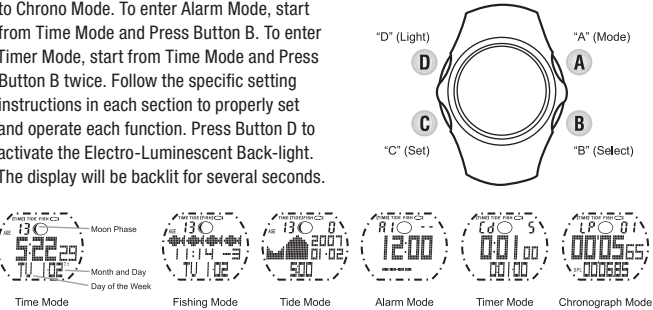
Fishing Mode
- Best time of day for Fishing, 4 most favorable fishing periods, Fishing Alarm.

Chronograph Mode:
- 1/100 second resolution – counts up to 59:59:00
- 30 Lap memory

3: Button Postion/Major Function Modes

Press Button A to move thru the Mode menu: from Time Mode to Tide Mode to Fish Mode to Chrono Mode. To enter Alarm Mode, start from Time Mode and Press Button B. To enter Timer Mode, start from Time Mode and Press Button B twice. Follow the specific setting instructions in each section to properly set and operate each function. Press Button D to activate the Electro-Luminescent Back-light. The display will be backlit for several seconds.

"D" (Light)   "A" (Mode)

D   A

C   B

"C" (Set)   "B" (Select)

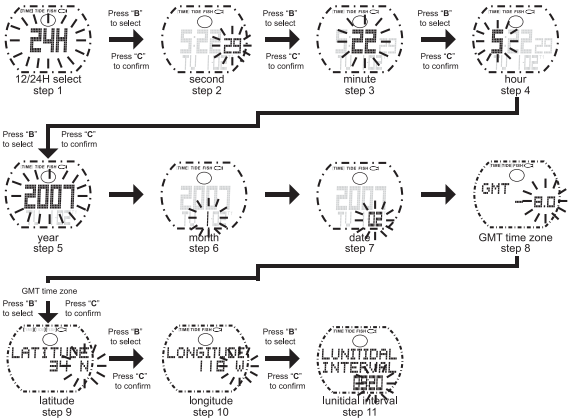Time Mode   Fishing Mode   Tide Mode   Alarm Mode   Timer Mode   Chronograph Mode

4: Time Mode

This watch has dual time (two time zones) and 12 or 24 hour timekeeping displays. Be sure to correctly configure the current time, date and local data before using the functions of the watch. The Time Mode display shows current time (hours, minutes, seconds), calendar (month, day & date) and moon phase. You will need to acquire information specific to your location in order to set the watch properly: GMT Time Zone, Latitude, Longitude and Lunitidal Interval.

To set the time and other data:

- Press Button A to enter TIME mode (T1).
- Press and Hold Button C to begin to move thru the setting menu. Each selection will flash on the display.
- Push button B to adjust the setting (hold down Button B to scroll more quickly)
- Push Button C to confirm the setting and move onto the next step.

1. Select 12 or 24 hour display format
2. Select DST (Daylight Savings Time)
3. Adjust Seconds
4. Adjust Minutes
5. Adjust Hour (small A or P appears on the display to indicate AM or PM in 12H format)
6. Adjust Year
7. Adjust Month
8. Adjust Date
9. Adjust Day of Week
10. Enter GMT Time Zone
11. Adjust Latitude
12. Adjust Longitude
13. Adjust Lunitidal Interval

- Push Button A when setting is complete. Based on the data input, the watch will automatically calculate the moon phases, tides and fishing favorability times for each day.
- From Time Mode, Press Button C to vary the bottom portion of the display:
  - Day, Month, Date (Example: We 215 = Day of Week: Wed / Month: Feb, Date: 15th)
  - Year, Month, Date (Example: 120215 = Year: 2012 / Month: February/Date: 15th)
  - Sunrise & Sunset times
- A Second Time Zone (T2) is available and optional - it is not necessary to set it up in order to have the timepiece function properly. **PLEASE NOTE: the watch memory only holds one set of GMT, Latitude, Longitude and Lunitidal data. If you set this data for a second time zone (T2) after it is entered for T1 it will override T1 data.**
  - In Time Mode (T1), press and hold Button B to toggle to T2.
  - Follow the same setting instructions above Steps 1 thru 9 to set the second time zone.

Press "B" to select / Press "C" to confirm — 12/24H select step 1

second step 2

minute step 3

hour step 4

year step 5

month step 6

date step 7

GMT time zone step 8

latitude step 9

longitude step 10

lunitidal interval step 11

5: Tide Data

Since Tide data will vary specific to location, it is essential to enter correct GMT, Latitude, Longitude and Lunitidal Interval in order for the watch to give accurate information.

Lunitidal Interval is the average time difference between when the moon passes over a time meridian and the following high or low tide. Theoretically, high tide is at the Moon's transit over the meridian and low tide is about 6 hours later. Actual high tide occurs somewhat later due to factors such as viscosity, friction and underwater topography. When setting the Lunitidal interval for this watch, use the time differential between the moon's transit over the meridian until high tide. There is chart provided of some major US cities for reference.

From TIME Mode, Press Button A to enter TIDE Mode.

- Display shows current time and tide prediction.
- Press button C to jump forward 30 minutes.
- Press Button B to go back 30 minutes.
- Press and hold the button B or C button to fast forward or fast backward.
- It can take a couple seconds for the tide data to load when the day changes.
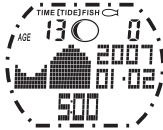
6: Fishing Time / Moon Phase Indicator

The best fishing times calculation for this watch is based on the movement of the sun, moon and tides that can affect fish feeding behavior. The principle supposes that during the month, the most feeding action can be expected on the day of the New Moon and Full Moon. PLEASE NOTE: Many factors aside from moon and solar movement can affect fish behavior including water temperature and weather; therefore, this watch predicts favorability, but does not guarantee that fish are present in your location and feeding during the times indicated.

Moon phase (Part you cannot see)   (Part you can see)

Moon Phase Indicator						
Moon Age	28, 29, 0-1	2 - 3	4 - 5	6 - 8	9 - 10	11 - 12
Moon Phase	New Moon			First Quarter (Waxing)		
Moon Phase Indicator						
Moon Age	13 - 16	17 - 18	19 - 20	21 - 23	24 - 25	26 - 27
Moon Phase	Full Moon			Last Quarter (Waning)		

7: Fish Mode

From TIME Mode, Press Button A two times until FISH Mode is displayed.

- The display will automatically cycle thru 5 displays showing favorable conditions at 5 different times of the day:

Current Time   Upper Transit (-1)   Moon Set (-2)   Lower Transit (-3)   Moon Rise (-4)
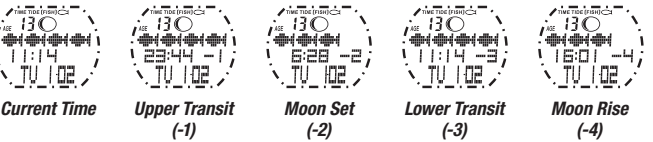
On a daily basis, the watch predicts that the best fishing conditions will occur at the upper transit and lower transit as shown on the table below. Less favorable conditions occur at the west and east transit times. The level indicator (number of fish on the display) shows the relative favorability of a fish feeding time. The scale is from 0 Fish indicating less favorable conditions to 4 fish indicating most favorable fishing time.

Moon Phase \ Moon Transit	Upper (Hour angle = 0h) Lower (Hour Angle = 12h)	West (Hour angle = 6h) East (Hour Angle = 18h)	Other
New Moon Full Moon	⊏⊐⊏⊐⊏⊐⊏⊐	⊏⊐⊏⊐⊏⊐	⊏⊐⊏⊐
First quarter Last quarter	⊏⊐⊏⊐⊏⊐	⊏⊐⊏⊐	⊏⊐
Other	⊏⊐⊏⊐	⊏⊐	None

- Press Button C to advance the date forward (Press and hold to fast forward)
- Press Button B to show back dates (Press and hold to fast backward)

8: Sunrise / Sunset Data

Sunrise and Sunset Data is based on the location setting entered in TIME Mode. If you do not have access to GMT, Latitude, Longitude and Lunitidal data for your location, use the site data chart to find a city close by. **PLEASE NOTE: the watch memory only holds one set of GMT, Latitude, Longitude and Lunitidal data. If you set this data for a second time zone (T2) after it is entered for T1 it will override T1 data.**

- To display Sunrise & Sunset Data, From TIME Mode, Press Button C. (You may need to Press Button C twice as there are three different display options in TIME Mode). Sunrise and Sunset times will automatically scroll every 2 seconds.
- To return to TIME Mode, Press Button C.

Time Mode   Press C Button   Press C Button   Time Mode
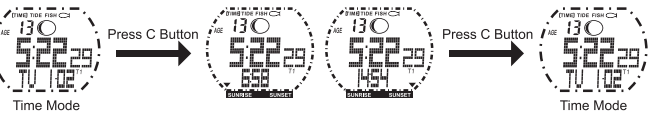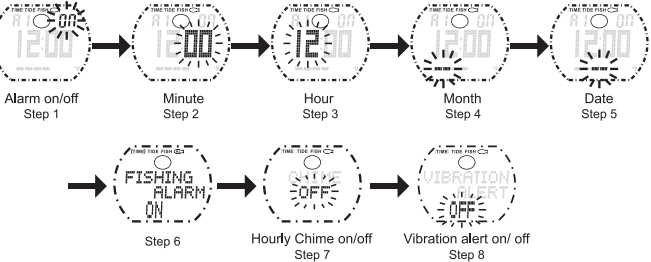
9: Alarm Mode

The Alarm Mode provides 6 different Alarms that can be individually enabled or disabled.

- From TIME Mode, Press Button B to enter Alarm Mode
- Press Button C to move thru the setting of each Alarm A1 thru A5 plus Fishing Alarm
  - A1: Alarm on a Date and Time (example: Alarm at 10:00 on June 19)
  - A2: Daily Alarm everyday in a specific Month (example: Alarm at 10:00 every day in June)
  - A3: Monthly Alarm (example: Alarm at 10:00 on the 19th of every month)
  - A4: Daily Alarm (example: Alarm every day at 10:00)
  - A5: Hourly Chime
  - Fishing Alarm

A1   A2   A3   A4   A5   Fishing
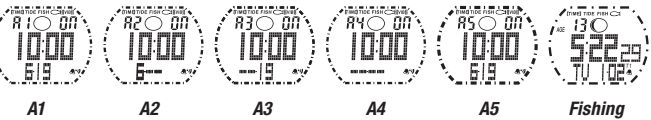
- To set each Alarm, Press and hold Button C until you hear a beep. Each option needed for the alarm will flash on the display in succession. At each option, use Button B to set data. Press Button C to confirm and move to next setting. Press Button A to finish Setting.
- Setting Steps:
  - Alarm On/Off
  - Minutes
  - Hour
  - Month
  - Date
  - Chime: On/Off
  - Vibration Alert: On/Off

Alarm on/off Step 1   Minute Step 2   Hour Step 3   Month Step 4   Date Step 5

Step 6   Hourly Chime on/off Step 7   Vibration alert on/ off Step 8

- When an alarm setting is ON, it will sound for a duration of 30 seconds. To stop the alarm, press Button A, B or C. If alarm is not stopped, it will sound four more times at 2 minute intervals.
- When the Hourly Chime is ON, it has a double beep sound
- The Fishing Alarm alerts you to the 4 most favorable Fishing times during a day. When the Fishing Alarm is ON, the alarm will sound (for a duration of 16 seconds) 1 hour in advance of the Favorable time and repeat every thirty minutes until 1 Hour after the Favorable Time (5 times total). To stop the alarm, press Button A, B or C.
- When the Vibration Alert is ON, the watch will vibrate once for a duration of 10 seconds. The Alarm will not sound if the Vibration Alert is ON
- The Alarm time is based on the current Time mode of either T1 or T2.