# BJ3447 MOVEMENT INSTRUCTION

LIGHT（A Key）———————————————（D Key）START
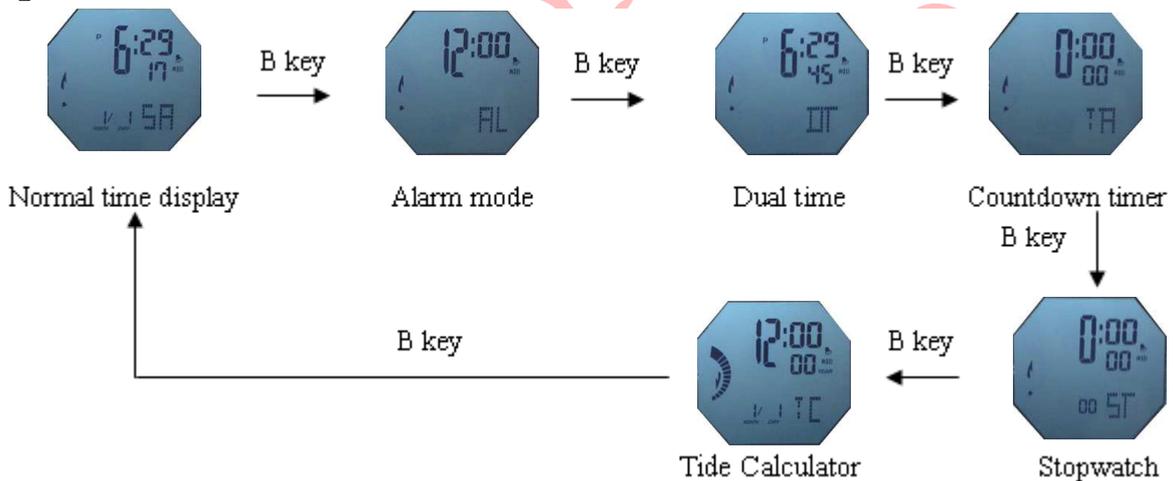
MODE（B Key）———————————————（C Key）RESET

## A . Features

- 12 digits display, display "hour", "minute", "second", "day", "month", "week"
- Alarm / Chime
- Dual time
- Countdown timer
- Stop watch with 1/100-sec resolution
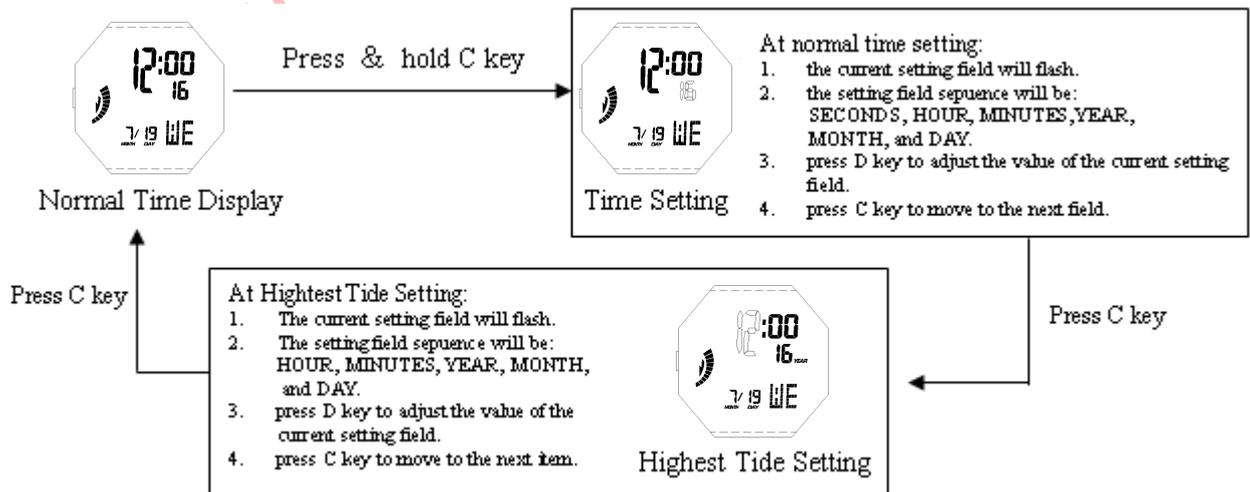- Tide calculator
- Highest tide
- EL backlight

## B . Operational Manual

Normal time display → B key → Alarm mode → B key → Dual time → B key → Countdown timer

Countdown timer → B key → Stopwatch → B key → Tide Calculator → B key → Normal time display

1. **At any state ,press A key EL backlight for 3s .**

2. **Normal time function**
   **HOW TO SET THE NORMAL TIME**

Normal Time Display — Press & hold C key → Time Setting

At normal time setting:
1. the current setting field will flash.
2. the setting field sepuence will be: SECONDS, HOUR, MINUTES,YEAR, MONTH, and DAY.
3. press D key to adjust the value of the current setting field.
4. press C key to move to the next field.

Press C key

At Highest Tide Setting:
1. The current setting field will flash.
2. The setting field sepuence will be: HOUR, MINUTES,YEAR, MONTH, and DAY.
3. press D key to adjust the value of the current setting field.
4. press C key to move to the next item.

Highest Tide Setting

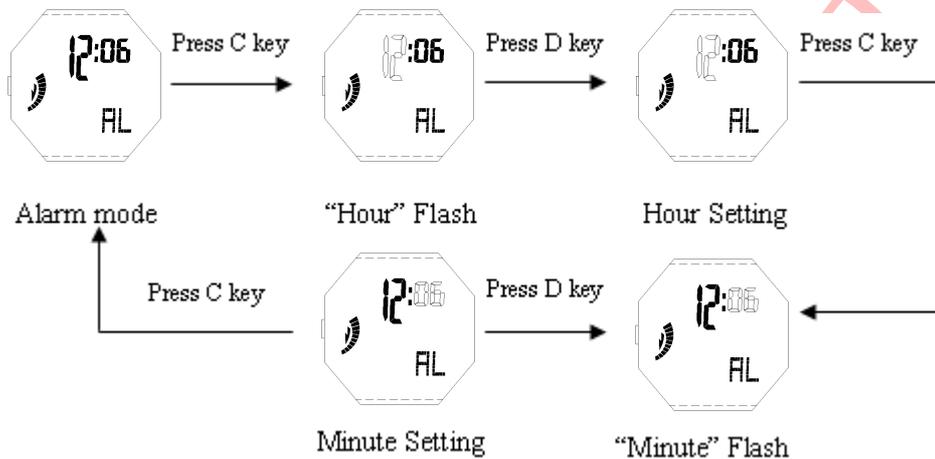Press C key

**HIGHEST TIDE SETTING:**

➤ After Setting the Normal Time fields (seconds, hour, minutes, year, month, day), YOU MUST ENTER THE EXACT TIME AT WHICH THE HIGHEST TIDE WILL OCCUR DURING THIS YEAR.

➤ The "highest tide" time can be inquired from your local or national weather services. You may also find this data in the internet by going to http://www.co_ops.nos.noaa.gov/tide_pred.html.

➤ **For example:** The current year is 2000 and you will use this watch in Los Angeles, California, USA. The highest tide prediction for Los Angeles, California, USA during year 2000 is July 30, 2000 at 21:21H.

➤ If you are living in a country with daylight saving time, please subtract one (1) hour for the time of the highest tide. Otherwise. Please disregard this item.
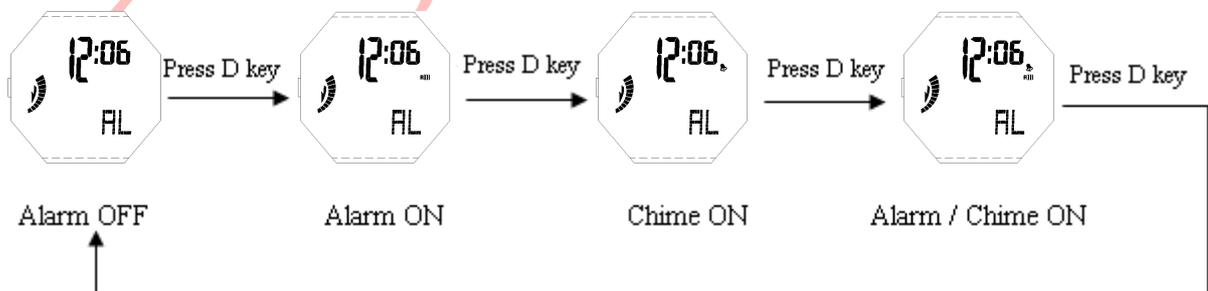
## 3. HOW TO SET THE ALARM



**ALARM SETTING**

➤ At Normal Alarm Display, press C key to enter the setting state.
➤ The current setting field will flash.
➤ The setting field sequence will be: HOUR and MINUTES.
➤ Press D key to adjust the value of the current setting field.
➤ Press C key to move to the next field.
➤ If no key is pressed for two (2) minutes, the system will return to normal time display.
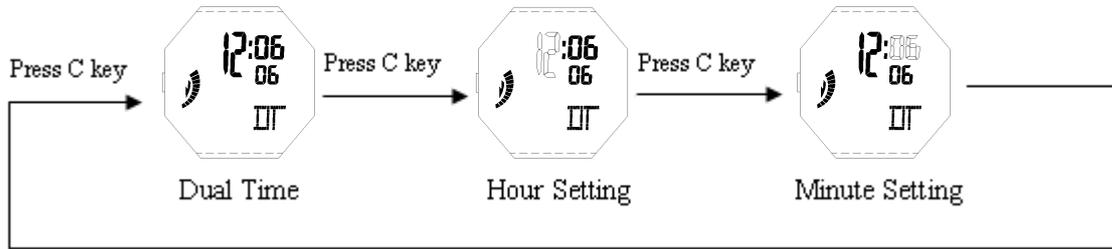
**HOW TO TURN ON/OFF ALARM/CHIME FUNCTION**



**ALARM ON / OFF**
**CHIME ON / OFF**

➤ If the icon is displayed, the Chime feature is ON.
➤ If the icon is displayed, the Alarm is ON.
➤ At Normal Alarm Display, press D key to turn ON/OFF the Alarm and Chime.
➤ If no key is pressed for two (2) minutes, the system will return to normal time display.
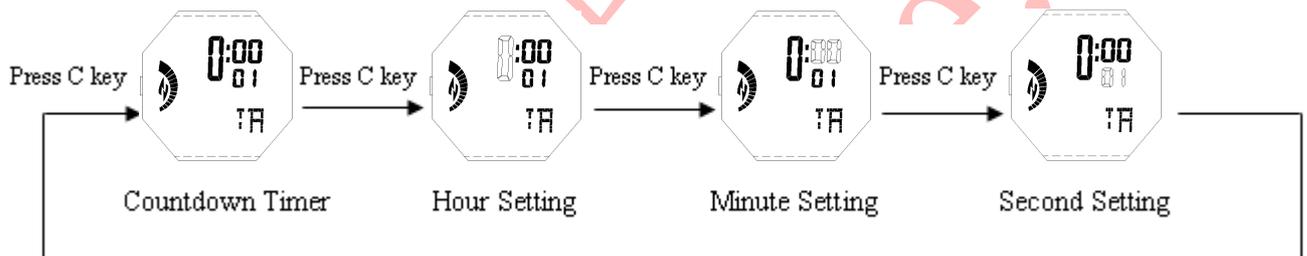
## 4. HOW TO SET DUAL TIME



Press C key → Dual Time → Press C key → Hour Setting → Press C key → Minute Setting

**DUAL TIME SETTING**
- At Normal Dual Time Display, press C key to enter the setting state.
- The current setting field will flash.
- The setting field sequence will be: HOUR, and MINUTES.
- Press D key to adjust the value of the current setting field.
- Press C key to move to the next field.
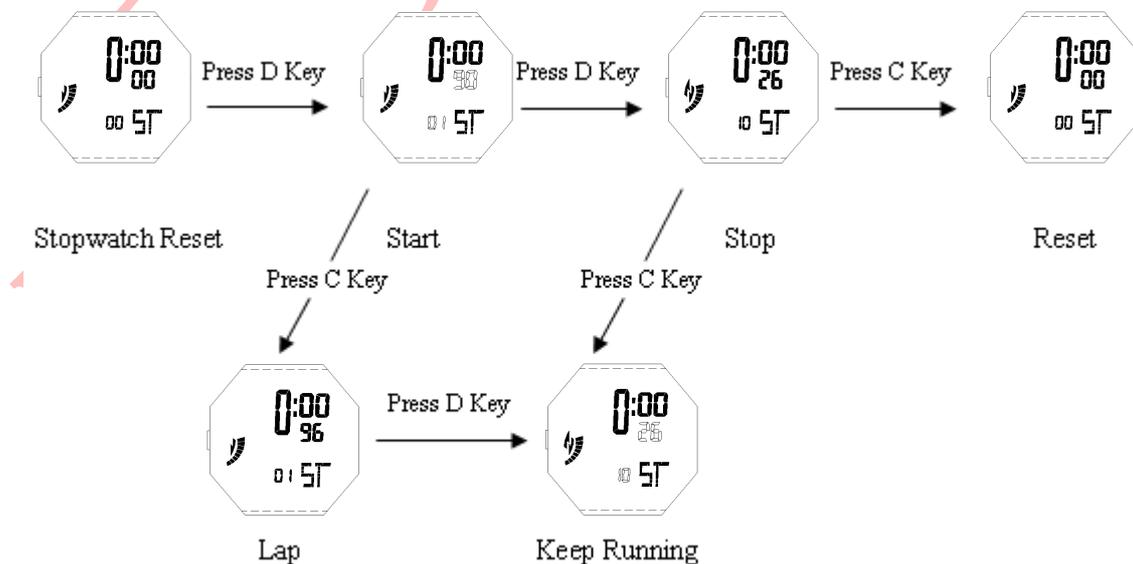- If no key is pressed for two (2) minutes, the system will return to normal time display.

## 5. HOW TO SET COUNTDOWN TIMER



Press C key → Countdown Timer → Press C key → Hour Setting → Press C key → Minute Setting → Press C key → Second Setting

**COUNTDOWN TIMER SETTING**
- At Normal Timer Display, press C key to enter the setting state.
- The current setting field will flash.
- he setting field sequence will be: HOUR, MINUTES and SECONDS.
- Press D key to adjust the value of the current setting field.
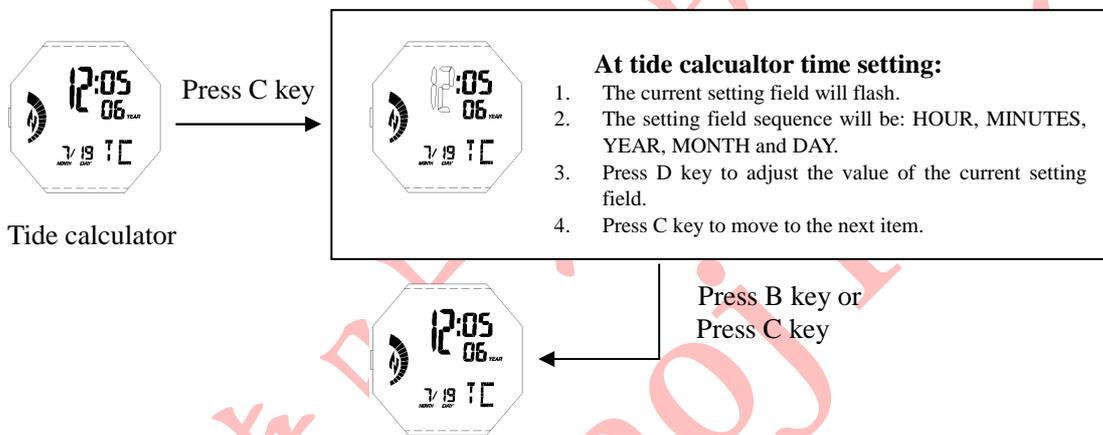- Press C key   to move to the next field.

## 6. HOW TO OPERATE THE STOPWATCH



Stopwatch Reset → Press D Key → Start → Press D Key → Stop → Press C Key → Reset

Start → Press C Key → Lap → Press D Key → Keep Running

Stop → Press C Key

**STOPWATCH OPERATION**

➢ Stopwatch Reset
  a) Press D Key to start stopwatch operation.
➢ Stopwatch is Running
  b) Press D Key to pause stopwatch operation.
  c) Press C Key to take the current lap reading.
➢ Stopwatch is Stopped
  d) Press D Key to resume stopwatch operation.
  e) Press C Key to reset the stopwatch.
➢ Stopwatch is Showing Lap Time
  f) At this condition, the Stopwatch display is frozen, but it continues counting in the background.
  g) Press C Key to resume update of display.
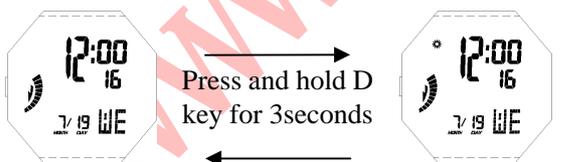
## 7. HOW TO OPERATE THE TIDE CALCULATOR

Press C key →

Tide calculator

**At tide calcualtor time setting:**
1. The current setting field will flash.
2. The setting field sequence will be: HOUR, MINUTES, YEAR, MONTH and DAY.
3. Press D key to adjust the value of the current setting field.
4. Press C key to move to the next item.

Press B key or
Press C key

**TIDE CALCULATOR**

➢ You may browse for PAST, CURRENT or FUTURE tide status using this mode. Just enter the exact time and date and the corresponding tide status will be displayed.
➢ If you are in a country with daylight saving time (DST) and you want to know the tide level during the DST period, please subtract one (1) hour to conform to the actual standard time.
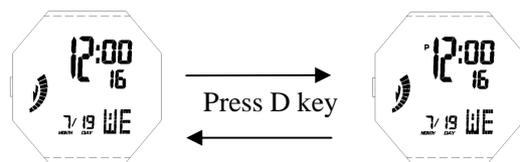
| **HOW TO SET TO SUMMER TIME** | **HOW TO SET TO 12/24 HOUR FORMAT** |
|---|---|

Press and hold D key for 3seconds →

Press D key ←

Normal Time Display | Summer Time Mode " ☼ " icon apper | 24 Hour Time Format | 24 Hour Time Format

## C. Specifications

- ➢ Module Size : $\Phi$37.2mm
- ➢ Module Thickness（include buzzer）：8.8mm
- ➢ Operational Temperature Range : -10℃~60℃
- ➢ Operational Voltage : 3.0V
- ➢ Accuracy : ±30sec/month
- ➢ Battery Code : CR2016 (capacitance: 90m Ah)
- ➢ static average current : ≤3.74u A    (static maximum current ：4.5uA)
- ➢ Alarm average current : ≤2.22m A    （Alarm maximum current ：7.0mA）
- ➢ EL lighten average current : ≤4.98m A    （ELlighten maximum current ：10mA）
- ➢ Battery life : ≥18 month(Japan Lithium)

Under the following conditions:( 4 backlight operation ( 3 seconds) perday; 60 seconds of alarm operation per day)

| | Prepared | Checked | Approved |
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| Date | 11/07/14 | 11/07/19 | 11/07/19 |