

# **INSTRUCTION MANUAL AND WARRANTY**

## **TSAR BOMBA**

**THANK YOU FOR CHOOSING AN TSAR BOMBA TIMEPIECE**

*Our mission is to build a portfolio of customized innovative products and services for international markets, fulfill customer needs by providing them high quality innovative products. Flexibility in sourcing, competitive prices and on-time deliveries sustain our reputation as a reliable, customer-oriented, dynamic player in the market. Achieve profitable growth, operational and organizational excellence without compromising our values and business ethics.*

**MODEL : TB8802H**

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# **QUARTZ, AUTOMATIC, AND MANUAL WIND WATCHES**

## **QUARTZ WATCHES**

A Quartz Watch is battery powered and does not require winding. Eventually the battery will need to be replaced.

## **AUTOMATIC WATCHES**

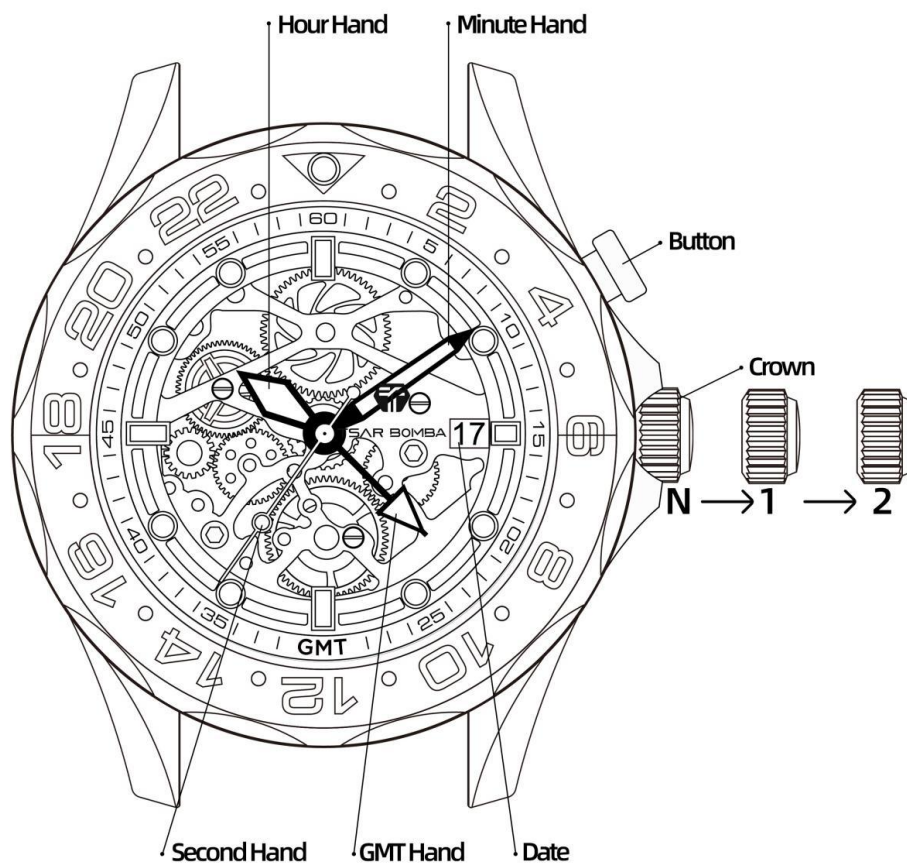
An Automatic Watch is a mechanical watch that winds itself and does not require a battery. When worn daily, the movement of your wrist causes the mainspring to wind progressively, eliminating the need for additional winding. To start your automatic, you can hand wind it by rotating the crown clockwise a number of turns while in its normal operating position (screw down crowns will need to be unscrewed first), or by swinging it side to side for 30 seconds. We recommend housing an automatic in a watch winder box.

## **MANUAL WIND WATCHES**

A Manual Wind Watch is a mechanical watch that does not require a battery, but can only be wound by hand. To wind it, turn the crown clockwise while it is in its normal operating position until you feel resistance. This type of watch should be wound daily.

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## INSTRUCTION MANUAL FOR TSAR BOMBA Hybrid AUTOMATIC WATCH



	Crown position		
	N : normal	1: 1st click	2: 2nd click
Crown	Free	Turn for hour hand setting and date change	Time setting
Button	Power storage indicator		Free (No effect)

### ◆ How to set time (GMT and minute hands)

- (1) Pull the crown out to the 2nd click position when the second hand is at the 12 o'clock position.
- (2) Turn the crown to set the GMT hand and the minute hands.
- (3) Push the crown back to the normal position.

### ◆ How to set date and hour hand.

- (1) Pull the crown out to the 1st click position.
- (2) Turn the crown to set the date and hour hand to the desired date and time.
- (3) Set the date together.
  - \*The date changes when the hour hand turns 2 times.
- (4) Push the crown back to the normal position.

**Tips: When the date change during daytime, it happens when a.m./p.m. is wrongly set. Advance the hour hand by 12 hours.**

◆ **How to use “the quick setting of time difference”.**

(1) Pull the crown out to the 1st click position.

(2) Turn the crown to set the time difference.

- The hour hand moves forward and backward by turning the crown.
- The date moves correspondingly with hour hand. When you set the time difference to the local time, the local date will be displayed.
- If you want to adjust the time difference by turning the crown clockwise, return it for 3 to 4 hours before adjusting the time.

(3) Push the crown back to the normal position.

◆ **Features of the Hybrid Automatic watch.**

- This is an analogue quartz watch equipped with an automatic power generating system. It generates the electric energy to power the watch, utilizing the movement of the arm, and stores it in the rechargeable unit. Unlike conventional quartz watches, this watch does not use a silver oxide battery, thus eliminating the need for battery replacement.

**Running time**

Expected running time from full charge to stoppage will be around 6 months.

**Instant-start function**

When a long time has passed since the watch stopped, you can get it started quickly with only a few swings.

This function is available as long as the watch has been stopped for less than a year.

\*The watch remains accurate even while the second hand is moving at two-second intervals

**Over charge prevent function**

If the rechargeable unit is charged more than predetermined voltage, over charge prevent function is operated to prevent the rechargeable unit deterioration and breakage.

Even if it is further swung after being fully charged, no malfunction will result.

**Power depletion warning function**

When the second hand is moving at two-second intervals, the watch may stop within approximately 24 hours.

In this case, swing the watch from side to side to enough charge it.

◆ **How to get started with the watch**

(1) Swing the watch from side to side. The watch will start with the instant-start function

\*Swing rhythmically at a rate of twice a second

(2) Swing the watch until the hand moves normally

\*If the watch stops and is left for more than 1 year, the second hand may not move normally. In this case, swing the watch further until the second hand starts moving at one-second intervals.

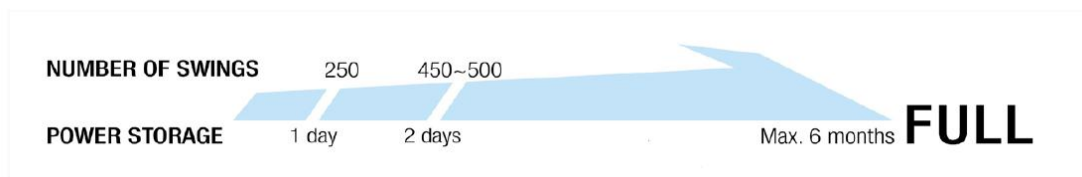
(3) Set the time and calendar, use it.

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◆ **How to charge**

- To charge efficiency, swing the watch from side to side, making an arc of about 20 cm.
- Shaking the watch extremely fast or shaking it has no effect on charging. You may hear a sound when you shake the watch. This is the sound of the vibrating weight of the power generation system rotating. This is not a malfunction.
- It is not necessary to charge the watch fully, as it is charged automatically while it is worn on your wrist. Even if the watch is worn on your arm, it will not be charged while your arm is not in motion.
- Recommend to wear the watch daily for at least 10 hours, for storing enough energy.

◆ **Number of swings and power storage**



(1)When the watch stops completely, or if you find the seconds hand moving at two-seconds intervals, swing the watch from side to side at a rate of twice a second.

(2)Approximately 250 swings will reserve up to 1 day of power. And the second hand will start moving at one-seconds interval.

- It is recommended that the watch be swung further until 2 days of power is reserved.
- Swing 200-250 add, for a total of about the 450-500 swings to reserve 2 days of power.

◆ **Power storage indicator**

This watch displays power storage in seconds fast-forwarded by pressing a button.

Displayed in 4 levels, you can get a rough idea of the remaining running time.

(1)Fast-forwarding of the second hand starts from the position where the button was pressed.

Press the button when the second hand is at the 0 second position.

(2)After the power storage is displayed, the second hand returns to normal movement after a certain time.

(3)The power storage is not displayed when the second hands are moving at two-seconds intervals. And, the watch may stop within approximately 24 hours, so charge the watch.

(Power depletion warning function)

	5 seconds	10 seconds	20 seconds	30 seconds
<b>QUICK MOTION</b> (SECOND HAND)*				
<b>POWER STORAGE</b>	More than 1 day	More than 7 days	More than approximately 1 month	Approximately 6 months

◆ **Precaution on see-through case-back models**

If your watch has a glass case back, do not expose the case back to strong light such as direct sunlight or an incandescent light at close range, as this may temporarily increase the power consumption of the watch circuit, thus reducing the power reserve in the rechargeable unit.

This condition, however, will be corrected when the case back is turned away from the light.

◆ **Precaution on battery**

Never install a silver oxide battery for conventional watches in place of the rechargeable unit. The battery may burst, become very hot or catch fire.



We invite you to visit [Tsar Bomba.com](http://Tsar Bomba.com), a privileged place to learn more about the functions of your Tsar Bomba watch and about the quality.

Welcome to the world of Tsar Bomba watch.

**\*Tsar Bomba reserves the right to modify the models illustrated in this publication at any time.**

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