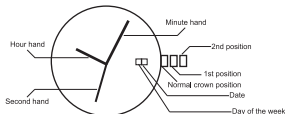# QUANTUM
THE BIG TIME

Q

A) DISPLAY
B) SETTING THE TIME
C) SETTING THE DATE
D) SETTING THE DATE OF THE WEEK

A) DISPLAY

B) SETTING THE TIME

1. Pull the crown out to the 2nd position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position, second hand begins to run.

C) SETTING THE DATE

1. Pull the crown out to the 1st position.
2. Turn the crown counter-clockwise to set the date.
• If the date is set between the hours of around 9.00 p.m. and 1.00 a.m., the date may not change on the following day.
3. After the date has been set, push the crown back to the normal position.
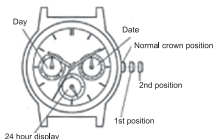
D) SETTING THE DATE OF THE WEEK

1. Pull the crown out to the 1st position.
2. Turn the crown clockwise to set the day of the week.
• If the date is set between the hours of around 9.00 p.m. and 1.00 a.m., the day of the week may not change the following day.
3. After the day of the week has been set, push the crown back to the normal position.

1. Pull out the crown to the second click when the small second hand is at the 12 o'clock position. It will stop on the spot and advance the hour and minute hands by turning the crown.
2. Set the day by rotating the hour and minute hands clockwise.
(Check that 24-hour hand is set correctly)
• Do not set the date between 10.00 p.m. and 1.00 a.m.. Otherwise, the day may not change properly. If it is necessary to set the date during that time period, first change the time to any time outside it, set the date and then reset the correct time.
3. Push the crown back in to the normal position in signal. Pull out the crown to the first click.
4. Set the date by rotating the crown in counter-clockwise direction
(Quick change function)
5. Push the crown back in to the normal position.

Q

A) DISPLAY

Day
Date
Normal crown position
2nd position
1st position
24 hour display

B) SETTING THE TIME / CALENDAR

1. Setting the Time/day

• Please make sure you have correctly set a.m./p.m. before you start to adjust the time.

Pull the crown out to the 2nd position when the second hand points to 0 (12 oÔclock).

After setting the time, use a time signal to synchronize the watch by pushing the Crown to the normal position to start the second hand going.

• You can not quickly adjust the day of the week. In order to adjust the day, you must advance the hour hand by 24 hours per day.

• Always rotate the hour and minute hands in a clockwise direction to set the day. If you rotate the hands in a counter-clockwise direction, it may not change the day correctly.
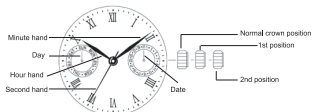
2. Setting the date

Pull the crown out to thr first position.

• Turn the crown to the left to set the date. You can not adjust the date between approximately 9.00 p.m. and 00.30 a.m.

• After setting the time/date/day of the week, please push the crown back to it's normal position before using.

Q

A) DISPLAY

NORMAL CROWN POSITION
1ST POSITION QUICK OPERATION - DATE (COUNTERCLOCKWISE)
2ND POSITION TIME/DAY SETTING (CLOCKWISE)

B) OPERATION PROCEDURE
1 SETTING THE DAY
2 SETTING THE TIME (HOUR, MINUTE and SECOND)
3 SETTING THE DATE

C) SETTING THE DAY AND TIME (HOUR, MINUTE AND SECOND)
The hour, minute, second and day are set by the same operation.

C-1) SETTING THE DAY
Pull the crown out to the 2nd position to stop the second hand at 0 (12 oÕclock).
Turn the hour/minute hands in a clockwise direction to set a day
In order to set the day, you must advance the hour hand by 24 hours per day.
NOTE:
• If the day is set by turning the crown counterclockwise, there is the
possibility the date will not change over.
Do not set the day by turning the crown in counterclockwise direction.
• The day changes somewhere between 00.00 a.m. and 5.30 a.m. or
a little later.

C-2) SETTING THE TIME
After setting the day, set the hour and minute hands.
Turn the hour/minute hands in a clockwise direction to set the time.
To ensure time is set accurately, first turn the minute hand 5 minutes
ahead of desired time and then turn back (in a counterclockwise) to
the desired time.

CALIBER NO: JS05/15/25
STOPWATCH FUNCTION: SMALL SECOND HAND
BATTERY: SR621SW
TIME MEASUREMENT UP TO 29min 59 sec
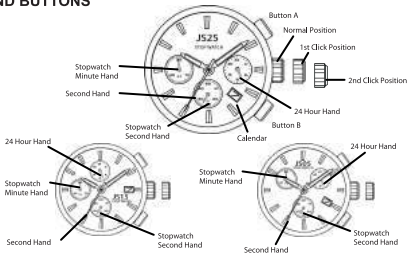A) DISPLAYS AND BUTTONS
A) DISPLAYS AND BUTTONS
B) SETTING THE TIME
C) SETTING THE DATE
D) USING THE STOPWATCH
E) STOPWATCH RESET

A) DISPLAYS AND BUTTONS

B) SETTING THE TIME
1. Pull the crown out to the 2nd Click Position.
2. Turn the crown to set hour and minute hands.
3. After the time has been set, push the crown back to the Normal position.

Q

C) SETTING THE DATE

2. Turn the crown clockwise to set the date.
* If the date is set between the hours of around
9:00 PM and 1:00 AM, the date may not change on the following day.
3. After the date has been set, push the crown back to the Normal position.
[Measuring time with the stopwatch]
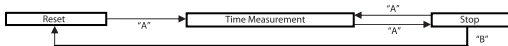
D) USING THE STOPWATCH

This stopwatch is able to measure and display time in 1/1 second united
up to maximum of 30 minutes.
Stopwatch will stop automatically after running continuously for 30 minutes.
1. Press button "A" to start the stopwatch.
2. The stop watch can be started and stopped each time button "A" is
pressed.
3. Pressing button "B" resets the stopwatch and stopwatch minute and
s econd hands return to their Zero positions.

Reset	"A"	Time Measurement	"A"	Stop
			"A"	"B"

E) STOPWATCH RESET (INCL. AFTER REPLACING BATTERY)

This procedure should be performed when the stopwatch second & minute
hand does not return to the Zero position.
1. Pull the crown out to the 2nd Click Position.
2. Press the button "A" to set the stopwatch second hand forward.
Press the button "B" to set the stopwatch second hand back.
* The stopwatch minute hand is synchronized with stopwatch second hand.
* The stopwatch second hand can be advanced rapidly by continuously
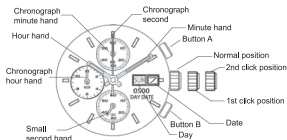pressing button "A" or "B".
3. Once the both hands been zeroed, reset the time and return the crown
to its normal position.

Q

CALIBER NO: OS 00
CHRONOGRAPH FUNCTION: Center second hand
CHRONOGRAPH: 1/1 sec. Timing up to 11 hours 59 minutes 59 seconds.
BATTERY: SR927SW

A) DISPLAYS AND BUTTONS
B) SETTING THE TIME
C) SETTING THE DATE
D) SETTING THE DAY
E) USING THE CHRONOGRAPH
F) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)

A) DISPLAYS AND BUTTONS

B) SETTING THE TIME

1. Pull the crown out to the 2nd click position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position, small second hand begins to run.

C) SETTING THE DATE

1. Pull the crown out to the 1st click position.
2. Turn the crown counter-clockwise to set the date.
• If the date is set between the hours of around 9.00 p.m. and 1.00 a.m., the date may not change on the following day.
3. After the date has been set, push the crown back to the normal position.

Q

D) SETTING THE DAY

1. Pull the crown out to the 1st click position.
2. Turn the crown clockwise to set the day.
• If the day is set between the hours of around 11.15 PM and 6.00 AM, the day may not change on the following day.
3. After the day has been set, push the crown back to the normal position.

E) USING THE CHRONOGRAPH

This chronograph is able to measure and display time in 1/1 second united up to maximum of 11 hours 59 minutes 59 seconds. The chronograph second hand keeps continuously for 11 hours 59 minutes 59 seconds after starting.

Measuring time with the chronograph

1. The chronograph can be started and stopped each time button "A" is pressed.
2. Pressing button "B" resets the chronograph and the chronograph second hand, chronograph minute hand, and chronograph hour hand return to zero position.

```
                              "A"
┌─────────┐  "A"  ┌──────────────────────┐      ┌────────┐
│  RESET  │ ────► │   TIME MEASUREMENT   │ ◄──── │  STOP  │
└─────────┘       └──────────────────────┘       └────────┘
     ▲                        "B "      "A"           │
     └────────────────────────────────────────────────┘
                                                      "B"
```

F) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)

This procedure should be performed when the chronograph second hand does not return to zero position after the chronograph has been reset, and including after the battery has been replaced.

1. Pull the crown out to the 2nd position.
2. Press button "A" to set the chronograph second hand to zero position. The chronograph hand can be advanced by continuously pressing button "A".
• The chronograph hour and minutes hands are synchronized with chronograph second hand.

Q

CALIBER NO: 0S 10/0S 1A
CHRONOGRAPH FUNCTION: Center second hand
CHRONOGRAPH: 1/1 sec. Timing up to 11 hours 59 minutes 59 seconds
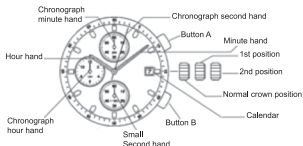BATTERY: SR927W
A) DISPLAYS AND BUTTONS
B) SETTING THE TIME
C) SETTING THE DATE
D) USING THE CHRONOGRAPH
E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)

A) DISPLAYS AND BUTTONS

B) SETTING THE TIME

1. Pull the crown out to the 2nd position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position, small second hand begins to run.

C) SETTING THE DATE

1. Pull the crown out to the 1st position.
2. Turn the crown counter-clockwise to set the date.
• If the date is set between the hours of around 9.00 p.m. and 1.00 a.m., the date may not change on the following day.
3. After the date has been set, push the crown back to the normal position.

D) USING THE CHRONOGRAPH

This chronograph is able to measure and display time in 1/1 second united up to maximum of 11 hours 59 minutes 59 seconds. The chronograph second hand keeps continuously for 11 hours 59 minutes 59 seconds after starting.

Measuring time with the chronograph

1. The chronograph can be started and stopped each time button "A" is pressed.
2. Pressing button "B" resets the chronograph and the chronograph second hand, chronograph minute hand, and chronograph hour hand return to zero position

```
                        "A"
  ┌─────────┐  "A"  ┌──────────────────┐  ←──  ┌──────┐
  │  RESET  │ ───→  │ TIME MEASUREMENT │       │ STOP │
  └─────────┘       └──────────────────┘  "A"  └──────┘
       ↑                "B "      ↓                "B "
       └──────────────────────────┘
```

E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)

This procedure should be performed when the chronograph second hand does not return to zero position after the chronograph has been reset, and including after the battery has been replaced.

1. Pull the crown out to the 2nd position.
2. Press button "A" to set the chronograph second hand to the zero position. The chronograph hand can be advanced rapidly by continuously pressing button "A".
3. Once the hand have been zeroed, return the crown to the normal position.

• Do not push crown to normal position while the chronograph second hand returns to zero position. It stops on the way when crown are returned to normal position and its position is recognized as zero position.

Q

CALIBER NO: OS 20/OS 2A
CHRONOGRAPH FUNCTION: Center second hand
CHRONOGRAPH: 1/1 sec. Timing up to 59 minutes 59 seconds
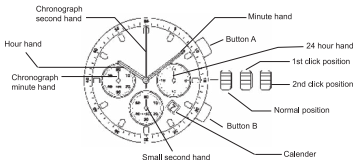BATTERY: SR927W
A) DISPLAYS AND BUTTONS
B) SETTING THE TIME
C) SETTING THE DATE
D) USING THE CHRONOGRAPH
E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)

A) DISPLAYS AND BUTTONS

B) SETTING THE TIME

1. Pull the crown out to the 2nd position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position, small second hand begins to run.

C) SETTING THE DATE

1. Pull the crown out to the 1st position.
2. Turn the crown counter-clockwise to set the date.
• If the date is set between the hours of around 9.00 p.m. and 1.00 a.m., the date may not change on the following day.
3. After the date has been set, push the crown back to the normal position.

Q

D) USING THE CHRONOGRAPH

This chronograph is able to measure and display time in 1/1 second united up to maximum of 59 minutes 59 seconds. The chronograph second hand keeps continuously for 59 minutes 59 seconds after starting.

Measuring time with the chronograph

1. The chronograph can be started and stopped each time button "A" is pressed.
2. Pressing button "B" resets the chronograph and the chronograph second hand and chronograph minute hand return to zero position.

```
                    "A"
 ┌─────┐  "A"  ┌──────────────────┐  ←───  ┌──────┐
 │RESET│ ───→  │ TIME MEASUREMENT │        │ STOP │
 └─────┘       └──────────────────┘  "A"   └──────┘
      ↑            "B"         ↓                 │
      └────────────────────────┘  "B"  ←─────────┘
```

E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)

This procedure should be performed when the chronograph second hand does not return to zero position after the chronograph has been reset, and including after the battery has been replaced.

1. Pull the crown out to the 2nd position.
2. Press button "A" to set the chronograph second hand to the zero position. The chronograph hand can be advanced rapidly by continuously pressing button "A".
3. Once the hand has been zeroed, return the crown to the normal position.

• Do not push crown to normal position while the chronograph second hand returns to zero position. It stops on the way when crown is returned to normal position and its position is recognized as zero position.

These specifications might be changed without prior notice.

Q

CALIBER NO: OS 25
CHRONOGRAPH FUNCTION: 1/20 Sec small hand
CHRONOGRAPH TIMING UP TO 59 minutes 59 seconds
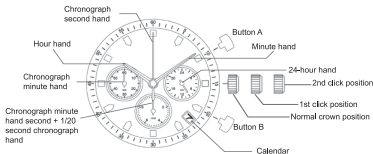BATTERY: SR927W

A) DISPLAYS AND BUTTONS
B) SETTING THE TIME
C) SETTING THE DATE
D) USING THE STOPWATCH
E) CHRONOGRAPH RESET (INC. AFTER REPLACING BATTERY)

A) DISPLAYS AND BUTTONS

B) SETTING THE TIME

1. Pull the crown out to the 2nd click position so that the second hand stops at (0) position.
2. Turn the crown to set the hour and minute hands.
3. When the crown is pushed back to the normal position in synchronization with a time signal, small second hand begins to run.

C) SETTING THE DATE

1. Pull the crown out to the 1st click position.
2. Turn the crown counter-clockwise to set the date.
• If the date is set between the hours of around 9.00 p.m. and 1.00 a.m., the date may not change on the following day.
3. After the date has been set, push the crown back to the normal position.

Q

D) USING THE CHRONOGRAPH

This chronograph is able to measure and display time in 1/20 second united up to maximum of 59 min 59 sec. The retrograde chronograph 1/20 (1/1) second hand keeps continuously for 30 seconds after starting, and then stops at zero position.

Measuring time with the chronograph

Press button "B" to change the watch to the chronograph mode. The second hand stops at the zero second position, and changes to the chronograph 1/20 (1/1) second hand.

1. The chronograph can be started and stopped each time button "A" is pressed.
2. Pressing button "B" resets the chronograph and all hands return to their zero positions.
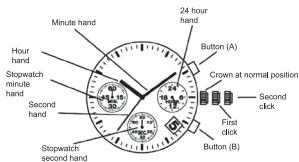

E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)

This procedure should be performed when the chronograph second hand does not return to the "zero" second position after the chronograph has been reset, and including after the battery has been replaced.

1. Pull the crown out to the 2nd click position.
2. Press button "A" to set the chronograph second hand to the 0 position.
3. Press button "B" to set the chronograph 1/20 second hand to zero position.
4. The chronograph hands can be advanced rapidly by continuously pressing button "A" or "B".
5. Once the hands have been zeroed, reset the time and return the crown to its normal position.

• Do not return crown to normal position while chronograph second hand returns to 12.00 (zero) position. Hand stops on the way when crown is returned to normal position and these positions are recognized as 12.00 (zero) position.

DISPLAY AND CROWN/BUTTON OPERATION

• The measured time is indicated by the stopwatch hands that move independently of the center and 24-hour hands.

ADJUSTING THE STOPWATCH HAND POSITION

Before setting the time, check if the stopwatch second and minute hands are at the "0" (12 o'clock) position.
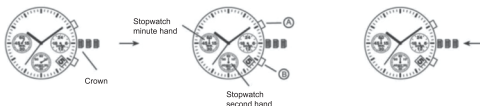
If the stopwatch is in use, press the button in the following order to reset it, and then, check if the hands return to "0" position.
(For details, see "HOW TO USE THE STOPWATCH")

If the stopwatch is counting: ⟶ (A) ⟶ (B)
If the stopwatch is stopped : ⟶ (B)
If the split time is displayed : ⟶ (B) (A) (B)

• If either of the stopwatch hands are not at the "0" position, reset them following the procedure below:

Q

1. Pull out the crown to the second click position.
2. Press button (A) or (B) to reset the stopwatch second and minute hands to "0" position.
• By pressing button (A), the hands move counter-clockwise.
• By pressing button (B), the hands move clockwise.
3. Push the crown back to the normal position.

TIME SETTING
• Before setting the time, check that the chronograph measurement is stopped.

Crown

1. Pull out the crown to the first click.
2. Turn the crown clockwise until the previous day's date appears.
3. Pull out the crown to the second click when the second hand is at the 12 o'clock position. It will stop on the spot and advance the hour and minute hands by turning the crown. (Check that 24-hour hand is set correctly.)
• When the crown is at the second click position do not press any button. Otherwise, the chronograph hands will move.
4. Push the crown back in to the normal position in accordance with a time signal.
• Do not set the time between 9.00 p.m. and 1.00 a.m.. Otherwise, the day may not change properly. If it is necessary to set the date during that period, first change the time to any time outside it, set the date and then reset the correct time.
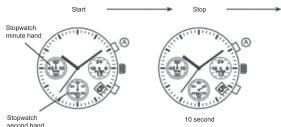
HOW TO USE THE STOPWATCH
• The measured time is indicated by the stopwatch hands that move
independently of the center and 24-hour hands.
• The stopwatch can measure up to 60 minutes in seconds.

Standart time measurement
Ex. 100 m race
Press the buttons in the following order:

(A) ⟶ (A) ⟶ (B)

Accumulated time measurement
Ex. Basketball game
Press the buttons in the following order:

(A) ⟶ (A)/(A) ⟶ ... ⟶ (A) ⟶ (B)

Start   Stop   Reset

Stopwatch
minute hand
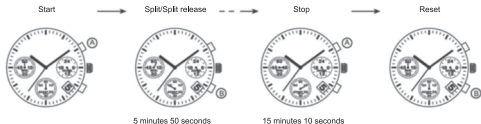
Stopwatch
second hand

10 second

• Restart and stop of the stopwatch can be repeated as many times as
necessary by pressing button (A).

Split time measurement
Ex. 5,000 m race
Press buttons in the following order:

(A) ⟶ (B)/(B) ⟶ ... ⟶ (A) ⟶ (B)

Start   Split/Split release   Stop   Reset

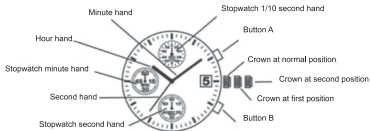5 minutes 50 seconds   15 minutes 10 seconds

• Measurement and release of the split time can be repeated as many
times as necessary by pressing button (B).

Q

A) DISPLAY AND CROWN/BUTTON OPERATION
B) ADJUSTING THE STOPWATCH HAND POSITION
C) TIME SETTING
D) HOW TO USE THE STOPWATCH

A) DISPLAY AND CROWN/BUTTON OPERATION

Minute hand
Hour hand
Stopwatch minute hand
Second hand
Stopwatch second hand

Stopwatch 1/10 second hand
Button A
Crown at normal position
Crown at second position
Crown at first position
Button B

• The measured time is indicated by the stopwatch hands that move
independently of the center hands.
• Stopwatch 1/10 second hand moves for the first minute. After one minute, it indicates
the measured time when it is stopped.
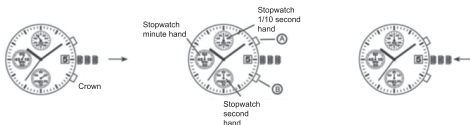
B) ADJUSTING THE STOPWATCH HAND POSITION

Before setting the time, check if the stopwatch 1/10 second, second and minute hands
are at the "0"(12 o'clock) position if the stopwatch
is in use, press the button in the following order to reset it, and then, check if the hands
return to "0" position. (For details, see, "HOW TO USE THE STOPWATCH")

If the stopwatch is counting: (B) ⟶ (A) ⟶ (B)

If the stopwatch is stopped: (B)

• If either of the stopwatch hands are not at the "0" position, reset them
following the procedure below:

If the stopwatch is counting: (A) ⟶ (B)

Q

1. Pull out the crown to the second click position.
2. Press button (A) or (B) to reset the stopwatch 1/10 second, second and minute hands to "0" position
• By pressing button (A), set the stopwatch 1/10 second hand.
• By pressing button (B), set the stopwatch second hand and minute hands.
• The stopwatch minute hand moves correspondingly with the stopwatch second hand.
• The hands move quickly if the respective buttons are kept pressed.
3. Push the crown back to the normal position.

C) TIME SETTING

• Before setting the time, check that the chronograph measurement is stopped.

1. Pull out the crown to the first click position.
2. Turn the crown clockwise until the previous day's date appears.
3. Pull out the crown to the second click position when the second hand is at the 12 o'clock position.
It will stop on the spot and advance the hour and minute hands by turning the crown.
• When the crown is at the second click position, do not press any button. Otherwise, the chronograph hands will move.
4. Push the crown back in to the normal position in accordance with a time signal.

Q

• Do not set the date between 9.00 p.m. and 1.00 a.m.. Otherwise, the day may not change properly. If it is necessary to set the date during that time period, first change the time to any time outside it, set the date and then reset the correct time.
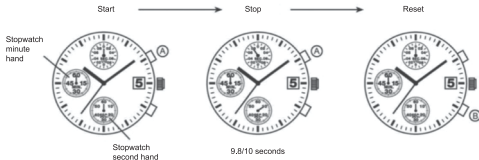
D) HOW TO USE THE STOPWATCH
• The measured time is indicated by the stopwatch hands that move independently of the center hands.
• The stopwatch can measure up to 60 minutes in 1/10 seconds.

Standard measurements
Ex. 100 m race
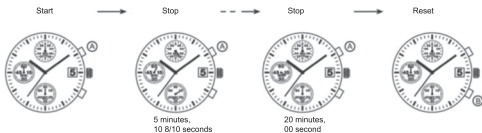Press the buttons in the following order:

(A) ➝ (A) ➝ (B)

Start   Stop   Reset

Stopwatch minute hand

Stopwatch second hand

9.8/10 seconds

Q

Accumulated elapsed time measurement
Ex. Basketball game
Press the buttons in the following order:

(A) ⟶ (A)/(A) ⟶ ... ⟶ (A) ⟶ (B)

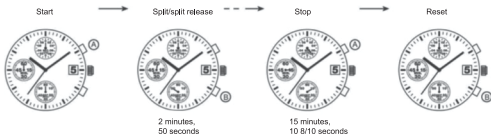| Start		Stop		Stop		Reset
		5 minutes, 10 8/10 seconds		20 minutes, 00 second		

• Restart and stop of the stopwatch can be repeated as many times as necessary by pressing button (A).

Split time measurement
Ex. 5,000 m race
Press the buttons in the following order:

(A) ⟶ (B)/(B) ⟶ ... ⟶ (A) ⟶ (B)

Start		Split/split release		Stop		Reset
		2 minutes, 50 seconds		15 minutes, 10 8/10 seconds		

• Measurement and release of the split time can be repeated as many times as necessary by pressing button (B).

QUANTUM

THE BIG TIME