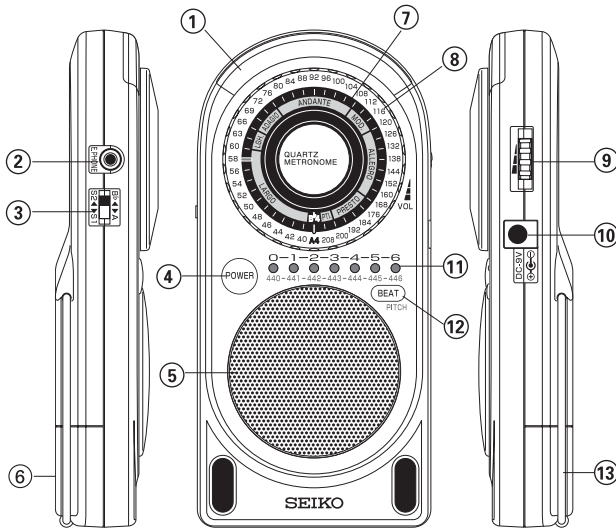


SEIKO Quartz Metronome SQ70

INSTRUCTION MANUAL

NAME AND OPERATION OF PARTS



- 1 Tempo/beat LED display**
It visually represents the tempo or beat of the metronome with the color and flashing of the LED light.
- 2 Earphone jack**
Insert the $\phi 3.5$ mm earphone plug into it to use with the earphone.
- 3 Sound selector**
It switches over the metronome sound in the metronome function and the reference notes between A4 and B 4 in the tuner function.
- 4 Power switch**
It turns on and off the metronome. Pressing the switch for more than one second turns on the power and lights it up. Pressing it lightly while the power is on turns off the metronome and switch light.
- 5 Speaker**
It gives out the tempo sound and reference note.
- 6 Battery hatch**
- 7 Tempo/reference note setting dial**
Turn the dial to set the indicator to the desired tempo or to the reference note ("A4/B 4").
- 8 Tempo chart**
The tempo marks and the number of tempos are printed on the chart.
- 9 Volume dial**
Turn it to adjust the volume of the metronome and the reference note.
- 10 AC adaptor jack (DC 9 V, center minus type)**
Insert an AC adaptor into it to use with the adaptor.
- 11 Beat/pitch indicator lamps**
They indicate the selected beat in the metronome function and the selected frequency of the reference note in the tuner function.
- 12 Beat/pitch selector**
Press it to select the desired beat in the metronome function and the desired frequency of the reference note in the tuner function.
- 13 Prop-up stand**

HOW TO USE

* Before use, open the battery hatch, and insert the battery included with your metronome into the battery compartment, referring to "BATTERY CHANGE" below. (Please note that the included dry battery is a monitor battery, and the battery life may be shorter than the specified period.)

● Metronome function

Two types of metronome sound are available. Select one according to the instrument you are playing or as desired.

1. Press the power switch (4) for more than one second to turn on the metronome.
2. Turn the tempo/reference note setting dial (7) to set the indicator to the desired tempo.
3. Press the beat/pitch selector (12) to set the desired beat (from 0 to 6).
4. To change the metronome sound, slide the sound selector (3) to the desired sound.

● Tuner function (To give out the reference note A4/B 4)

1. Turn the tempo/reference note setting dial (7) to set the indicator to the reference note "A4/B 4".
2. Slide the sound selector (3) to set it to "A4" or "B 4".
3. With each press of the beat/pitch selector (12), the pitch changes in the following order:

A4 440 Hz → 441 Hz → 442 Hz → 443 Hz
 ↑ 446 Hz ← 445 Hz ← 444 Hz

B 4 466.164 Hz → 467.223 Hz → 468.283 Hz → 469.342 Hz
 ↑ 472.521 Hz ← 471.461 Hz ← 470.402 Hz

● To use SQ70 with earphone

Insert the $\phi 3.5$ mm earphone plug (SEP-2: sold separately) into the earphone jack (2), and press the power switch (4) for more than one second to turn on the metronome.

- * When the earphone is used, the speaker (5) will not work, and the sound can be heard only through the earphone.
- * The SQ70 earphone jack is a monophonic type. If a stereo-type earphone is used, the sound can be heard only through one of the earphones.

MEMORY BACKUP FUNCTION

Even after the metronome is turned off, the beat and reference pitch you have set are stored in memory and will not be initialized.

* If the battery is replaced, the metronome will return to the following initial settings.

1. Beat: "0"
2. Reference pitch: "440 Hz"

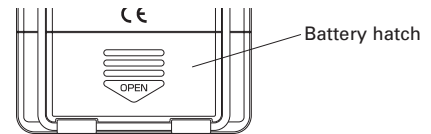
BATTERY CHANGE

* When the battery nears its end, the tempo/beat LED display becomes dim, and the volume of the sound becomes weak. In that case, the metronome may work improperly. Replace the battery immediately, or use the metronome with the AC adaptor (STAD: sold separately).

● How to replace the battery

1. Press the power switch (4) lightly to turn off the metronome.
2. Pull up the prop-up stand (13), and open the battery hatch (6) by pushing it rather strongly with a thumb in the direction of the arrow.
3. Remove the old battery, and replace it with a new one. When doing so, check that the (+) and (-) terminals of the battery are correctly connected.

* If the battery is inserted in the wrong direction, a malfunction will be caused.



SPECIFICATIONS

1. METRONOME

| | |
|-------------------------------------|--|
| 1-1 Tempo and beat range, and sound | |
| Tempo | : Range 40 to 208 times/minute |
| | : Selection method 40 channel rotary switch (39 steps) |
| Beat | : Range 0, 1, 2, 3, 4, 5 and 6 |
| | : Selection method Push switch |
| Sound | : Two types of sound |
| | : Selection method Slide switch (2 steps) |

| | |
|----------------------------|---|
| 1-2 Tempo and beat display | |
| LED display | : Tempo Successive lighting of 7 LEDs (green) |
| | : Beat Lighting of the far right or left LEDs (red) |

Accuracy : within $\pm 0.2\%$

2. REFERENCE NOTE

| | |
|-------------|--|
| Note | : A4 and B 4 |
| Pitch shift | : A4 440 Hz, 441 Hz, 442 Hz, 443 Hz, 444 Hz, 445 Hz, 446 Hz |
| | : B 4 466.164 Hz, 467.223 Hz, 468.283 Hz, 469.342 Hz, 470.402 Hz, 471.461 Hz, 472.521 Hz |

Selection method :

| | |
|-------------|---|
| Note | : 40 channel rotary switch and slide switch (2 steps) |
| Pitch shift | : Push switch |

Accuracy : Less than 1 cent ($\pm 0.06\%$)

3. POWER SWITCH

| | |
|------------------|----------------|
| Selection method | : Push switch |
| Display | : LED (orange) |

4. VOLUME

The volume of tempo/beat sound and reference note can be controlled continuously.

5. EXTERNAL OUTPUT

Earphone jack : $\phi 3.5$ mm monophonic-type jack

6. POWER SOURCE

6LR61 (9 V) alkaline dry battery

AC adaptor (sold separately; center minus type $\oplus \ominus$)

7. OVERALL DIMENSIONS AND WEIGHT

78 (W) x 166 (H) x 34.55 (D) mm, approx. 250 g

8. ACCESSORY

DC 9 V dry battery for checking purpose