SEIKO **DIGITAL METRONOME** DM110 INSTRUCTION MANUAL

Thank you for purchasing the SEIKO DIGITAL METRONOME DM110. Carefully read this instruction manual before using your DM110 as proper use is important to ensure the life of the product.

Store this instruction manual in a place that is readily accessible and refer to it regularly.

PRECAUTIONS

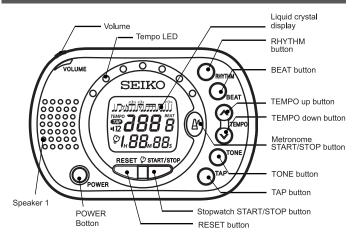
The following warnings and cautions are important in ensuring safe and proper use of the product, preventing injury to yourself and others, and preventing damage to your belongings.

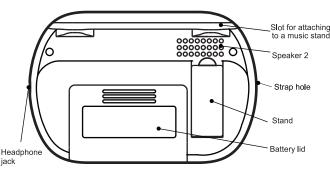
- Do not disassemble, attempt to repair, or tamper with the metronome or battery.
- Do not handle the metronome with wet hands.
- Do not use or store the metronome in places where it may become wet such as in bathrooms, near sinks, or outdoors.
- Do not expose the battery to fire.Use only the battery specified for the metronome.
- Do not insert pins or other foreign objects into the metronome.
- Do not place the metronome on unstable surfaces.
- Do not intentionally throw or drop the metronome.
- Do not use or store the metronome in places where it may be exposed to extremely high temperatures such as near heaters, on devices that generate heat, in direct sunlight,
- Do not use or store the metronome in places where it may be exposed to extremely high levels of humidity.
- Carefully monitor use of the metronome by children.
- Keep removed batteries and the battery lid out of the reach of small children. In the event that a child swallows these parts, contact a physician immediately.
- Do not apply excessive force to the buttons or body of the metronome.
- When using a strap, do not swing the metronome around by the strap.
- Do not mix old and new batteries or batteries of different types.
- Do not use rechargeable batteries.
- Do not let leaked battery fluid come in contact with your skin.
- Do not use or store the metronome in dusty places or places prone to vibration.
- Do not use thinner or alcohol to clean the metronome.
- Install the battery properly, checking that the (+) and (-) terminals are oriented correctly.
 Remove the battery when it is depleted or when not using the metronome for a long period
- Use headphones at an appropriate volume.

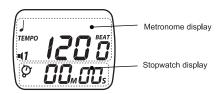
Before using the metronome, refer to the section on battery replacement and install the included battery.

The batteries included with the metronome are for functionality testing and their life may be shorter than expected.

NAMES OF PARTS







HOW TO USE

This product has the following features

- The DM110 has both a METRONOME function and a STOPWATCH function. Not only
- can these features be used separately, you can also use them at the same time.

 You can select different tempo sounds to be played from the two speakers.

 The metronome has a stand in the back and a slot for attaching the metronome to a music stand, allowing you to put the metronome in an easy-to-use place.





Press the POWER button to turn on the metronome.

METRONOME Function

Press the metronome START/STOP button (the button with the M mark) to start the metronome. The metronome will announce the tempo by sound and the Tempo LED. Set the tempo, beat, rhythm, and tone (tempo sound tone) as needed.

Set the tempo using the TEMPO up button and TEMPO down button (press and hold to

Set the beat using the BEAT button (press and hold to fast forward).

Set the rhythm using the RHYTHM button (press and hold to fast forward).

Set the tone using the TONE button.

You can select Tone 1 (a softer, lower sound; played from speaker 1) or Tone 2 (a stronger, higher sound; played from speaker 2). Select the tone according to your preferences and usage environment.

Use the VOLUME dial to adjust the volume.

Push the metronome START/STOP button again to stop the metronome.

※ Quarter note triplet (∫∫∫) rhythm

Due to the rhythm characteristics, quarter note triplet rhythm and a beat of 1, 3, 5, or 7 cannot be selected at the same time.

■ Setting the tempo using "Tap Tempo"

Push the TAP button multiple times using the timing you desire and the tempo will be set according to the spacing of the taps.

The tempo can be set from 30 to 250 beats/minute. When Tap Tempo is in use, the TAP

mark will be displayed.

■ Headphones

Use Φ3.5 mm plug headphones (sold separately).

Check volume settings prior to using headphones.

STOPWATCH Function

To start the stopwatch, push the stopwatch START/STOP button. The elapsed time will be displayed in one second increments.

To stop the stopwatch, push the stopwatch START/STOP button again.

To reset the display, push the RESET button.

The maximum time is 1 hour 59 minutes 59 seconds. When this time is reached the stopwatch stops automatically.

- Other Functions
- · Memory Back-up Function

Metronome tempo, beat, rhythm, and tone settings are saved even when the metronome is turned off.

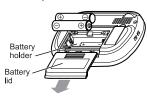
The stopwatch resets automatically when turned off.

Auto-powerdown

The DM110 turns off automatically when the both the metronome and stopwatch are stopped and no buttons have been pressed for 30 minutes.

BATTERY REPLACEMENT

When the LCD or Tempo LED becomes faint or the volume becomes low, it is time to replace the battery.



Press the POWER button to turn off the metronome. Locate the battery lid on the back side of the metronome. Slide the battery lid in the direction of the arrow in the picture at left to remove it. Remove both (two) depleted batteries. Install two new batteries in the battery holder, making sure that the batteries are aligned with the polarity markings. Replace the battery lid. After replacing the batteries, turn the metronome on and confirm that the metronome functions normally. The metronome is reset to the below factory settings when the batteries are

Factory Settings: [Metronome] Tempo 120 beats/min, Beat 0, Rhythm $\c J$, Tone 1 [Stopwatch] 00M00S

- Be sure that the (+) and (-) terminals of the battery are oriented correctly.
- ※ Follow all local ordinances and regulations when disposing of the depleted batteries.
- * Please note that rechargeable batteries cannot be used with this product.

SPECIFICATIONS

■ Metronome

· Tempo range (accuracy): 30 ~ 250 beats/min. (±0.2%) · Beat range: 0~8

 Rhythm types: J நகள்கிக்க ந · Tempo Tones: 2 types

■ Stopwatch

· Measurement unit:

1 second

· Maximum measured time: 1 hour 59 minutes 59 seconds Other

Additional Features:

Tap Tempo setting, Auto-powerdown, Memory Back-up, Stand Slot for attaching the metronome to a music stand

· Volume control: Volume dial

Φ3.5 mm monaural jack, dynamic speaker, · Output: piezoelectric speaker

· Power supply: AAA battery × 2 (3 V, manganese or alkaline)

When the metronome is used continuously using a manganese battery (Tempo 120, Beat 2, Rhythm $\c J$, · Battery life:

maximum volume)

Approximately 100 hours (using Tone 1). Approximately 160 hours (using Tone 2)

100 (W) × 66 (H) × 20 (D) mm, approximately 85 g

(including batteries) AAA manganese battery × 2 (for functionality testing),

instruction manual

* The design and specifications are subject to change without prior notice for product

improvement.

· Accessories:

· Overall dimensions and weight: