Thank you, and congratulations on your choice of the BOSS DB-60 METRONOME Dr. Beat.
Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (separate sheet). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, this manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.
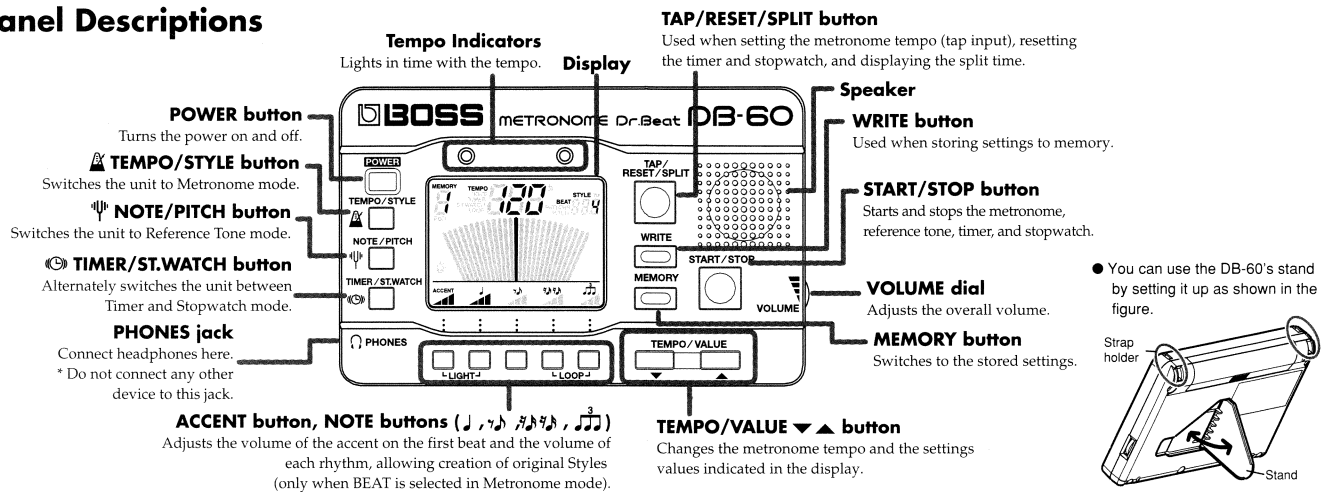**As shipped, the DB-60's batteries are not yet installed. Be sure to read "Changing the Batteries" and then follow the instructions to install the batteries.**

Main Features

❍ The four different rhythms (quarter-note, eighth-note, sixteenth-note, and triplet) and accent volume are completely adjustable, allowing you to create original rhythm Styles quickly and easily.

❍ Comes not only with basic Styles (the way the metronome sound is played) pre-programmed, but also Styles with compound beats and other Styles to match different musical genres.

❍ You can use the **Memory function** to store up to eight different metronome setting configurations.

❍ You can have settings in memory played back automatically, allowing you to practice irregular rhythms and tempo changes in songs (**Loop Play function**).

❍ You can set the tempo by pressing the TAP button in time with the song tempo (**tap input of the tempo**).

❍ You can specify the reference tone in semitone increments over a range of one octave. This is convenient for use in practicing with wind instruments and for tuning (**Reference Tone function**).

❍ You can measure the time of the performance as well as have an alarm sound play at a preset time. In addition, you can have the time displayed as split time (**Timer/Stopwatch function**).

❍ Features an **Auto Power Off function**, which automatically turns off the power when the DB-60 is not used for approximately 70 minutes.

❍ Comes equipped with a **backlighting feature** that allows you to use the DB-60 even in poorly lit stage environments.

Panel Descriptions

Tempo Indicators
Lights in time with the tempo.   **Display**

POWER button
Turns the power on and off.

TEMPO/STYLE button
Switches the unit to Metronome mode.

NOTE/PITCH button
Switches the unit to Reference Tone mode.

TIMER/ST.WATCH button
Alternately switches the unit between Timer and Stopwatch mode.

PHONES jack
Connect headphones here.
* Do not connect any other device to this jack.

ACCENT button, NOTE buttons (♩ , ♪ ♪♪♪ , ♫)
Adjusts the volume of the accent on the first beat and the volume of each rhythm, allowing creation of original Styles (only when BEAT is selected in Metronome mode).

TAP/RESET/SPLIT button
Used when setting the metronome tempo (tap input), resetting the timer and stopwatch, and displaying the split time.

Speaker

WRITE button
Used when storing settings to memory.

START/STOP button
Starts and stops the metronome, reference tone, timer, and stopwatch.

VOLUME dial
Adjusts the overall volume.

MEMORY button
Switches to the stored settings.

TEMPO/VALUE ▼ ▲ button
Changes the metronome tempo and the settings values indicated in the display.

● You can use the DB-60's stand by setting it up as shown in the figure.

Operation

■ Using the DB-60 as a Metronome

1. With the power turned on, press the [♩] button to switch the DB-60 to Metronome mode.

When "BEAT" or "PATTERN" flashes in the display, press the [♩] button; "BEAT" or "PATTERN" remains lit in the display.
When the DB-60 is in Metronome mode, "MEMORY," "TEMPO," and "STYLE" appears in the display.

2. Set the tempo with the TEMPO/VALUE ▼/▲ buttons.

You can set the tempo within the range of ♩ = 30–250.

* The value can be increased or decreased ten beats at a time—hold down the TEMPO/VALUE ▲ button and press the ▼ button, or hold down the ▼ button and press the ▲ button.

3. Press the [♩] so that "BEAT" or "PATTERN" flashes in the display.

4. Select a Style with the TEMPO/VALUE ▼/▲ buttons.

The DB-60's Styles include 23 different "BEATS" and 20 kinds of "PATTERNS" from which to choose. Either "BEAT" or "PATTERN" is indicated in the display, depending on the Style that is currently selected.
"BEAT" indicates the number of quarter-note beats. "BEAT" always indicates a metronome setting that plays a fixed, regular beat. Rhythms are played when "PATTERN" is indicated.

* A compound beat is displayed with a dot in between the numbers. E.g. *2.3* (BEAT 2+3)

[Pattern Number/Name Correspondence Chart]

1	8-BEAT 1	5	16-BEAT 2	9	DANCE 1	13	CLAVE 3-2	17	WALTZ
2	8-BEAT 2	6	SHUFFLE 1	10	DANCE 2	14	CLAVE 2-3	18	TANGO
3	8-BEAT 3	7	SHUFFLE 2	11	COUNTRY	15	RUMBA	19	MAMBO
4	16-BEAT 1	8	FUNK	12	REGGAE	16	BOSSA NOVA	20	MARCH

(Pattern 17 features three beats; all other patterns have four beats.)

5. Press the START/STOP button to start the metronome. To stop the metronome, press the button once more.

* You cannot change the tempo with the TEMPO/VALUE ▼/▲ buttons while "BEAT" or "PATTERN" is flashing in the display. If you want to change the tempo, press the [♩] button so "BEAT" or "PATTERN" stops flashing and remains lit in the display.

Setting the Tempo with Tap Input

You can set the tempo by pressing the TAP/RESET/SPLIT button two or more times in Metronome mode; the tempo is set to the timing you use in tapping the button. You can set the tempo within the range of ♩ = 30–250.

Create Original Rhythm Styles

In Metronome mode you can use the 5 buttons under the display (ACCENT button and ♩ , ♪ , ♪♪♪ , ♫ buttons) to change the way the metronome plays.

1. Press the [♩] button in Metronome mode so that "BEAT" or "PATTERN" flashes in the display.

2. If "PATTERN" is flashing in the display, press the TEMPO/VALUE ▼/▲ buttons to select "BEAT."

3. Change the way the metronome plays with the ACCENT button and NOTE buttons.

- Adjust the volume of the accent for the first beat in the measure with the ACCENT button at the left of the row of buttons. You can select any of three volume levels.
- Use the four NOTE buttons to adjust the volume of each rhythm to any of three levels.
You can store the changed Styles to memory. Refer to the section "Using the Memory," which follows.

Using the Memory

You can store up to eight different metronome setting configurations in the memory.

• Calling Up Stored Settings (Memory)

Press the MEMORY button to call up stored settings; the memory number is switched each time you press the button.

• Storing Settings to Memory

1. Press the WRITE button; the memory number flashes.

2. Press the TEMPO/VALUE ▼/▲ buttons to select the memory number to which you want to store the settings.

3. Press the WRITE button once more; the memory number starts flashing rapidly.

Once the memory number lights steadily, you'll know that the data has been successfully stored in memory.
If you press the START/STOP button during Step 1 or Step 2, the memory number stops flashing, and the process is cancelled.

* Do not turn off the power while data is being stored to memory (when the memory number is flashing rapidly).

* "EDIT" is displayed when you change settings from content stored in the memory.

* Switching to Loop Play cancels the changes to the settings stored in memory.
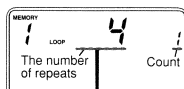
ing Loop Play

·can have metronome settings that are stored in memory automatically play back in sequence.
·ing settings with various tempos and rhythms to different memories and then playing these back
·1 Loop Play is effective for rhythm training. You can also use this to practice irregular rhythms.

In Metronome mode, simultaneously press the ♪♪♪ and ♪♪ buttons to switch to Loop Play mode.

"LOOP" appears in the display.

Press the START/STOP button to start Loop Play.

The number of repeats / Count

During Loop Play, the number in the center of the display indicates the number of repeats for each memory. The number at the upper right indicates the number of times the material is repeated. You can select a memory to be played back, pressing the MEMORY button during Loop Play.

Press the START/STOP button once again to stop Loop Play and put the DB-60 in Loop Play standby.
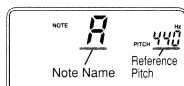
Changing the Number of Times Playback of the Memory is Repeated

Pressing the MEMORY button while Loop Play is in standby switches the memory number; you can then change the number of number of times the currently displayed memory number is to be played back, using the TEMPO/VALUE ▼/▲ buttons. You can set the number of repeats to any value from 0 to 255. When set to 0, the data for that memory number is not played back.

Simultaneously press the ♪♪♪ and ♪♪ buttons; "LOOP" disappears from the display, and the DB-60 exits Loop Play mode.

Playing the Reference Tone

With the power turned on, press the "|Ψ|" button to switch to Reference Tone mode.

Note Name / Reference Pitch

When the DB-60 is in Reference Tone mode, "NOTE," and "PITCH" appears in the display.

Set the note name with the TEMPO/VALUE ▼/▲ buttons.

You can set the note name in semitone increments over an octave range from C to B.

Press the START/STOP button to play the reference tone. Press the button again to stop the sound.

tting the Reference Pitch

Press the "|Ψ|" in Reference Tone mode so that "PITCH" flashes in the display.

Set the reference pitch is with the TEMPO/VALUE ▼/▲ buttons.

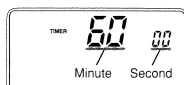The reference pitch is set in terms of the value of A, which can be any frequency from 438 to 445 Hz.

You cannot change the note name with the TEMPO/VALUE ▼/▲ buttons while "PITCH" is flashing
n the display. If you want to change the note name, press the "|Ψ|" button so "PITCH" stops flashing and
·emains lit in the display.

What is the reference pitch?
The frequency for A4 (the middle A on a piano) of a note played by an instrument (a piano, for example) as
·he pitch to which all other performers tune their instruments for performances is called the "reference pitch."

Using the DB-60 as a Timer

With the power turned on, press the ((◷)) button to switch to Timer mode.

Minute / Second

When the DB-60 is in Timer mode, "TIMER" appears in the display.

Set the length of time before you want the timer to sound with the TEMPO/VALUE ▼/▲ buttons.

You can set the timer to any value from 1 to 60 minutes. The value can be increased or decreased ten minutes at a time—hold down the TEMPO/VALUE ▲ button and press the ▼ button, or hold down the ▼ button and press the ▲ button.

Press the START/STOP button to start the timer.

Once you start the timer, the alarm goes off after the programmed time has elapsed; the alarm stops after sounding for approximately 20 seconds.

Pressing any button while the alarm is sounding stops the alarm.

You can also stop the timer while it is counting down by pressing the START/STOP button once more.

The timer continues to operate even when you switch to another mode, with the alarm sounding once the
·et time has elapsed (the metronome and reference tone stop playing when the alarm sounds).

'TIMER" flashes in the display in Metronome mode, Reference Tone mode and Stopwatch mode when the
·imer is operating.

·f you want to reprogram the timer after starting it, press the START/STOP button to stop the times,
·hen press the TAP/RESET/SPLIT button to return the most recently set values to the display.

Using the DB-60 as a Stopwatch

With the power turned on, press the ((◷)) button to switch to Stopwatch mode.

Minute / Second

When the DB-60 is in Stopwatch mode, "ST.WATCH" appears in the display.

Press the START/STOP button to start the stopwatch.

You can also stop the stopwatch by pressing the START/STOP button once more.

When you press the TAP/RESET/SPLIT button after the stopwatch has been started, the indication "L" begins blinking in the upper left of the display, and the split time (the time elapsed at that point) is displayed.

When you press the START/STOP button while the split time is displayed, the stopwatch stops and the indication "L" changes from blinking to steadily lit.

Press the TAP/RESET/SPLIT button once more, and the "L" disappears from the display, and the normal stopwatch returns to the display.

Pressing the TAP/RESET/SPLIT button while the stopwatch is stopped resets the number to zero.

The stopwatch continues to run even after you switch to other modes.

'ST.WATCH" flashes in the display in Metronome mode, Reference Tone mode and Timer mode when
·he stopwatch is operating.

The stopwatch counts up to ten hours, but when the Auto Power Off function is operational, it only
·ounts up to 70 minutes. If you want to have it measure beyond 70 minutes, turn off the Auto Power Off
·unction beforehand.

■ Other Functions

Auto Power Off

The Auto Power Off function works to help prevent unnecessary battery drainage by automatically turning off the DB-60's power if no operation or adjustment is made within 70 minutes after any button is pressed.

- **Disabling the Auto Power Off Function**

  To disable the Auto Power Off function, first turn off the DB-60's power, then hold down the TAP/RESET/SPLIT button as you press the POWER button to turn the power back on again.

  The Auto Power Off function is disabled. " *OF* " is indicated in the display while the TAP/RESET/SPLIT button is held down.

  The Auto Power Off function is enabled again the next time the DB-60 is turned on again.

Backlighting

You can have the display be back lit.

  Turn on the backlighting by simultaneously pressing the ACCENT and ♩ buttons.

  The backlighting automatically turns off in approximately five seconds (Auto Backlight Off function). " ⚬̣̇ " disappears from the display when Auto Backlight Off is enabled.

- **Disabling the Auto Backlight Off Function**

  If you want the backlighting to stay on, first turn off the DB-60's power, then hold down the ACCENT button as you press the POWER button to turn the power back on again.

  The Auto Backlight Off function is disabled, and " ⚬̣̇ " appears in the display.

  The Auto Backlight Off function is enabled again the next time the DB-60 is turned on again.

* You cannot store the disabled status for Auto Power Off and Auto Backlight Off to memory.*
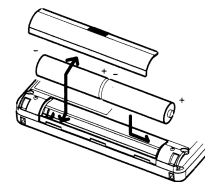
■ Changing the Batteries

The display and LED indicators dim when the batteries begin to run down.

Replace the batteries as soon as possible.

* The settings stored by the memory function are reset to the default factory settings if the batteries are removed from the DB-60, or if the batteries get completely depleted.*

* When turning the unit upside-down, handle with care to avoid dropping it, or damaging the buttons and controls.*

1. Press down and slide off the lid of the batteries compartment (located on the bottom of the unit).

2. Remove the old batteries from the compartment.

3. Insert two of the same type of fresh AA batteries.

* Make sure the "+" and "-" ends of the batteries are oriented correctly.*

4. Securely close the battery cover.

* Do not mix fresh batteries with used ones, or mix batteries of different types. Doing so can result in fluid leakage.*

■ Restoring the Factory Settings

This returns all settings on the DB-60 to the values they had when the unit shipped from the factory.

  Hold down the MEMORY button as you press the POWER button to turn the power on.

  " *F* " is indicated in the display while the MEMORY button is held down.

  All of the settings are restored to their original factory status.

- **Factory Settings**

[Metronome Mode]

Memory No.	1	2	3	4	5	6	7	8
Tempo	120	100	130	90	120	130	110	115
Style	BEAT 4	BEAT 4	BEAT 3	BEAT 2-3	PATTERN 1	PATTERN 5	PATTERN 6	PATTERN 15
Loop Play	4	2	3	5	2	4	6	3

Level settings of ACCENT and NOTE buttons

ACCENT	▄▄█	▄▄█	▄▄█	▄▄█				
♩	▄▄█	▄▄█	▄▄█	▄▄█				
♪♪		▄█		▄█				
♪♪♪		▄█		▄█				
♪♪			▄█	▄█				

[Other Mode]

Reference Note	A	Reference Pitch	440 Hz	Timer	60 minutes

Main Specifications

- **Metronome - Tempo:** ♩ =30-250 (Accuracy: ±0.1%) - **BEAT:** 1–9, 2+3, 3+2, 3+4, 4+3, 4+5, 5+4, 5+6, 6+5, 6+7, 7+6, 7+8, 8+7, 8+9, 9+8 (23 kinds) - **PATTERN:** 8-BEAT x 3, 16-BEATx 2, SHUFFLE x 2, FUNK, DANCE x 2, COUNTRY, REGGAE, CLAVE x 2, RUMBA, BOSSA NOVA, WALTZ, TANGO, MAMBO, MARCH (20 kinds)
- **Reference Tone - Reference Pitch:** A4=438 Hz-445 Hz (1 Hz steps) - **Reference Tone Range:** C4-B4 (Accuracy: ±1 cent)
- **Timer - Setting Range:** 1-60 minutes • **Stopwatch - Timing Resolution:** 1/10 second - **Time Duration:** 10 hours (with Auto Power Off disabled) • **Indicators:** LCD Display, Tempo Indicator LED x 2
- **Connector:** PHONES Jack (Stereo miniature phone type) • **Power Supply:** Dry Battery (R6/LR6 (AA) Type) x 2
- **Power Consumption:** 70 mA or less (with reference tone sounding)
- **Expected battery life under continuous use (Carbon):** Approximately 200 hours * These figures will vary depending on the actual conditions of use.
- **Dimensions:** 129 (W) x 84 (D) x 22 (H) mm / 5-1/8 (W) x 3-5/16 (D) x 7/8 (H) inches
- **Weight:** 156 g / 6 oz (including batteries)
- **Accessories:** Dry Battery (R6 (AA) Type) x 2, Soft case, Owner's Manual, Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES" and "Information")
* *In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.*

❗ If the string ring of the soft case supplied with this unit is removed, keep it away from small children to prevent them from swallowing it.

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