

DB-30 Dr. Beat METRONOME Owner's Manual



Thank you, and congratulations on your choice of the BOSS DB-30 Dr. Beat METRONOME. Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES." 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.

Main Features

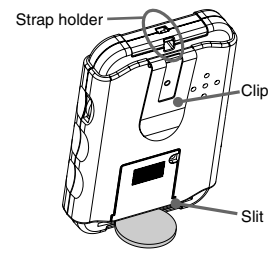
- Comes not only with basic Styles (the way the metronome sound is played) pre-programmed, but also Styles with compound beats.
You can set the tempo by pressing the TAP button in time with the song tempo (tap input of the tempo).
You can specify the reference tone in semitone increments over a range of one octave. This is convenient for use in practicing with wind instruments and for tuning (Reference Tone function).
Features an Auto Power Off function, which automatically turns off the power when the DB-30 is not used for approximately 60 minutes.

Panel Descriptions



- 1. POWER button: Turns the power on and off.
2. RHYTHM/BEAT button: Switches the unit to Metronome mode.
3. NOTE/PITCH button: Switches the unit to Reference Tone mode.
4. TEMPO/VALUE button: Changes the metronome tempo and the values indicated in the display.
5. START/STOP button: Starts and stops the metronome and reference tone.
6. TAP/MUTE button: Sets the metronome tempo (Tap function, when the metronome is stopped), and temporarily mutes the sound (Mute function, when the metronome is playing).
7. VOLUME dial: Adjusts the overall volume.
8. Tempo indicators: Lights in time with the tempo.
9. Display: Information in the display is changed depending on the modes.
10. PHONES jack: Connect headphones here.

- To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels.
You can insert a coin in the slit on the bottom of the unit and use the coin as a stand.
The strap can be passed through the hole shown in the figure.
You can use the clip on the back to set the unit on a music stand.



Operation

Using the DB-30 as a Metronome

- With the power turned on, press the RHYTHM/BEAT button to switch the DB-30 to Metronome mode.
If "RHYTHM," "TEMPO," and "BEAT" are displayed, press the TEMPO/VALUE button to set the tempo.
Press the START/STOP button to start the metronome.
You cannot change the tempo with the TEMPO/VALUE buttons while "RHYTHM" or "BEAT" is flashing in the display.
You cannot change the tempo with the TAP/MUTE button while the metronome is playing.

Setting the Tempo with Tap Input

- While in Metronome mode, with the metronome stopped, you can tap the TAP/MUTE button two or more times to set the tempo so it matches the timing you've used in tapping the button.
You cannot change the tempo with the TAP/MUTE button while the metronome is playing.

Setting the Way the Metronome Plays

- Press the RHYTHM/BEAT button in Metronome mode so that "RHYTHM" or "BEAT" flashes in the display.
Select a Rhythm or a Beat with the TEMPO/VALUE buttons.
If "RHYTHM" is flashing in the display, you can select from 9 different Rhythms.
You can select from 24 different Beats.
You can set the note name in semitone increments over an octave range from C to B.

Playing the Reference Tone

- With the power turned on, press the NOTE/PITCH button to switch to Reference Tone mode.
When the DB-30 is in Reference Tone mode, "PITCH" or "NOTE" appears in the display.
While "NOTE" is lit 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.
You cannot change the note name with the TEMPO/VALUE buttons while "PITCH" is lit in the display.
If you want to change the note name, press the NOTE/PITCH button so "NOTE" is lit in the display.
Press the START/STOP button to play the reference tone.
Press the START/STOP button again to stop the sound.

Setting the Reference Pitch

- Press the NOTE/PITCH button in Reference Tone mode so that "PITCH" is lit in the display.
Set the reference pitch with the TEMPO/VALUE buttons.
The reference pitch is set in terms of the value of A4, which can be any frequency from 438 to 445 Hz.
If you want to change the note name, press the NOTE/PITCH button so "NOTE" is 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 the pitch to which all other performers tune their instruments for performances is called the "reference pitch."

Other Functions

Auto Power Off

The Auto Power Off function works to help prevent unnecessary battery drainage by automatically turning off the DB-30's power if no operation or adjustment is made within 60 minutes after any button is pressed.

Disabling the Auto Power Off Function

To disable the Auto Power Off function, first turn off the DB-30's power, then hold down the TAP/MUTE button as you press the POWER button to turn the power back on again.

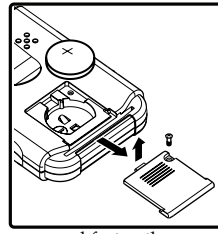
The Auto Power Off function is disabled. "BBB" is indicated in the display while the TAP/MUTE button is held down. The Auto Power Off function is enabled again the next time the DB-30 is turned on again.

Changing the Battery

The display and indicators get dimmer and the volume starts to drop when the battery starts running down. Replace the battery as soon as possible.

- The settings stored in the memory are reset to the default factory settings if the battery is removed from the DB-30, or if the battery gets completely depleted.
When turning the unit upside-down, handle with care to avoid dropping it, or damaging the buttons and controls.

- Removed the screw from the battery cover.
Slide off the cover.
Remove the old batteries from the compartment.
Insert the same type of fresh lithium battery.



- Make sure the "+" and "-" ends of the battery are oriented correctly.
Securely close the battery cover, and fasten the screw.

Restoring the Factory Settings

This returns all settings on the DB-30 to the values they had when the unit shipped from the factory.

- Hold down the START/STOP button as you press the POWER button to turn the power on.
"BBB" is indicated in the display while the START/STOP button is held down.
All of the settings are restored to their original factory status.

- Factory Settings: Tempo: 120, Beat: 4, Rhythm: J, Reference Tone: A, Reference Pitch: 440Hz, Mute: Off

Troubleshooting

The power doesn't come on, the power shuts off right after the unit is turned on, or the power shuts off or operation becomes unstable during use.

- Is the battery low or dead?
When the battery run down, the unit may fail to run normally.
The battery included with the unit are intended to be used only for verifying operation.
Using headphones when the battery is low may cause the unit to fail to run normally.
Immediately turn the power off, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" when:
Smoke or unusual odor occurs
Objects have fallen into, or liquid has been spilled onto the unit; or
The unit has been exposed to rain (or otherwise has become wet); or
The unit does not appear to operate normally or exhibits a marked change in performance.

Main Specifications

- Metronome: Tempo: J=30-250 (Accuracy: ±0.1%), BEAT: 0-9, 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 (24 kinds)
RHYTHM: Quarter note (♩), Eighth note (♪), Eighth rest and eighth note (♪♩), Triple (♩♩♩), Triple with center rest (♪♩♩), Sixteenth note (♫), Sixteenth note with sixteenth rest (♫♪♩), CLAVE 1 (♩ ♪ ♫), CLAVE 2 (♩ ♪ ♫) (9 kinds)

- Reference Tone: Reference Pitch: A4 = 438 Hz-445 Hz (1 Hz steps)
Reference Tone Range: C4-B4 (Accuracy: ±1 cent)

- Auto Power Off function: Turns unit off after 60 min.
Memory function: Stores the settings when the power is turned off.
Indicators: LCD Display, Tempo Indicator LED x 2
Connector: PHONES Jack (Stereo miniature phone type)
Power Supply: CR2032 lithium battery x 1
Power Consumption: 10 mA or less (with reference tone sounding)
Expected battery life under continuous use: Approximately 20 hours

- These figures will vary depending on the actual conditions of use.
Dimensions: 61 (W) x 90 (D) x 20 (H) mm / 2-7/16 (W) x 3-9/16 (D) x 13/16 (H) inches
Weight: 70 g / 3 oz (including batteries)
Accessories: CR2032 lithium battery, Owner's Manual

- In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About WARNING and CAUTION Notices

WARNING: Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
CAUTION: Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

Warning symbols: exclamation mark in triangle, crossed-out triangle, crossed-out circle, crossed-out square, crossed-out circle with slash, crossed-out circle with slash and exclamation mark, crossed-out circle with slash and exclamation mark and lightning bolt, crossed-out circle with slash and exclamation mark and lightning bolt.

ALWAYS OBSERVE THE FOLLOWING

Multiple warning symbols with corresponding text:
- Before using this unit, make sure to read the instructions below, and the Owner's Manual.
- Do not open (or modify in any way) the unit.
- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so).
- Never use or store the unit in places that are: Subject to temperature extremes, subject to direct sunlight, damp, humid, or exposed to rain, or dusty, or near animals, or subject to high levels of vibration.
- Make sure you always have the unit placed so it is level and sure to remain stable.
- This unit, either alone or in combination with headphones, may be capable of producing sound levels that could cause permanent hearing loss.
- Do not allow any objects to penetrate the unit.

CAUTION

Caution symbols: crossed-out circle with lightning bolt, crossed-out circle with lightning bolt and exclamation mark, crossed-out circle with lightning bolt and exclamation mark and lightning bolt.

Additional safety warnings:
- If used improperly, batteries may explode or leak and cause damage or injury.
- Carefully follow the installation instructions for batteries, and make sure you observe the correct polarity.
- Remove the batteries whenever the unit is to remain unused for an extended period of time.
- Used batteries must be disposed of in compliance with whatever regulations for their safe disposal that may be observed in the region in which you live.
- Use only the specified type (model no. CR2032) of lithium battery.
- Used lithium batteries must be disposed of in compliance with whatever regulations for their safe disposal that may be observed in the region in which you live.
- Should you remove the screw from the battery's cover, keep them in a safe place out of children's reach.

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT
Apparatus containing Lithium batteries
DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED.
CAUTION: Explosions may result if improper rechargeable or non-rechargeable batteries are inserted.
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IMPORTANT NOTES

In addition to the items listed under "USING THE UNIT SAFELY", please read and observe the following:

- Power Supply: Use of Batteries: Always install or replace batteries, always turn off the power on this unit and disconnect any other devices you may have connected.
Maintenance: For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water.
Placement: This device may interfere with radio and television reception.
Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit.
Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes.
When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit.
When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable.

Information

Table of international distributors and service centers for BOSS products, including contact information for various countries like Africa, Asia, Europe, North America, and South America.

NORTH AMERICA

Table listing distributors for BOSS products in North America, including Canada and the United States.