DB-30 DCBeat 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
- O 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).
- O 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.

- * Always make sure to have the volume level turned down before switching on power. Even with the volume all the way down, you may still hear some sound when the power is switched on, but this is normal, and does not indicate a malfunction.
- 2. RHYTHM/BEAT button

Switches the unit to Metronome mode. Switches the TEMPO/RHYTHM/BEAT display.

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.

Starts and stops the metr

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.

* Never strike or apply strong pressure to the display.

10.PHONES jack

Connect headphones here.

- * To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you (especially when it is late at night).
- 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. When the DB-30 is in Metronome mode, "RHYTHM," "TEMPO," and "BEAT" appear in the display.
- 2. If "RHYTHM," "TEMPO," and "BEAT" are displayed, press the TEMPO/VALUE ▼/▲ buttons to set the tempo.
 - Holding down the TEMPO/VALUE ▼ or ▲ button when setting the metronome tempo causes the values to change more rapidly.
- You can set the tempo within the range of J = 30-250.
- **3.** Press the START/STOP button to start the metronome. To stop the metronome, press the START/STOP button once more.
- * You cannot change the tempo with the TEMPO/VALUE ▼ or ▲ buttons while "RHYTHM" or "BEAT" is flashing in the display. If you want to change the tempo, press the RHYTHM/BEAT button so "RHYTHM" and "BEAT" stop flashing and remain lit in the display.

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

- **1.** Press the RHYTHM/BEAT button in Metronome mode so that "RHYTHM" or "BEAT" flashes in the display.
- 2. Select a Rhythm or a Beat with the TEMPO/VALUE
 ▼ or ▲ buttons.

If "RHYTHM" is flashing in the display, you can select from 9 different Rhythms. If "BEAT" is flashing in the display, you can select from 24 different Beats. Holding down the TEMPO/VALUE ▼ or ▲ button when setting the beat causes the values to change continuously.

■ 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.
- or "NOTE" appears in the display.

 2. While "NOTE" is lit in the display, set the note name with the TEMPO/VALUE ▼ or ▲ 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 ▼ or ▲ 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.
- 3. 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.
- 2. Set the reference pitch with the TEMPO/VALUE ▼ or ▲ 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. " \mathscr{AF} " 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 Batteries

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 batteries are removed from the DB-30, 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.** Removed the screw from the battery cover.
- 2. Slide off the cover.
- **3.** Remove the old batteries from the compartment.
- **4.** Insert the same type of fresh lithium battery.
- * Make sure the "+" and "-" ends of the battery are oriented correctly.
- 5. 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.

- 1. Hold down the START/STOP button as you press the POWER button to turn the power on.
 - " F " 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

Main Specifications

• Metronome

- 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 (J), Eighth note (J), Eighth rest and eighth note ($\gamma \lambda$), Triple ($J_{\gamma J}^{\pm}$), Triple with center rest ($J_{\gamma J}^{\pm}$), Sixteenth note ($J_{\gamma J}^{\pm}$), Sixteenth note with sixteenth rest ($\gamma \lambda \gamma \lambda$), CLAVE 1 ($(\lambda \lambda \lambda \lambda) \lambda \lambda \lambda$).

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. (The Mute status is not stored in memory.)
- 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
- 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

bout A WARNING and A 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.

or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.

The ● symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

ALWAYS OBSERVE THE FOLLOWING

⚠WARNING

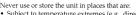
Before using this unit, make sure to read the instructions below, and the Owner's Manual.



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). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information."

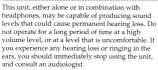


- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
- Damp (e.g., baths, washrooms, on wet floors); or are
 Humid; or are
 Exposed to rain; or are

- · Dusty: or are
- · Subject to high levels of vibration

Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces.





Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.



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:

• If smoke or unusual odor occurs

• Objects have fallen into, or liquid has been spilled on the the unit of the control the unit of the

- 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

In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

is equipment has been tested and found to comply with the limits for a Class. B digital content of the content

sures:
Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the supjument into an outlet on a circuit different from that to which the receiver is connected.
Consult the deader of an experienced radio/TV technician for help.

is device complies with Part 15 of the FCC Rules. Operation is subject to the flowing two conditions:

1) This device may not cause harmful interference, and

2) This device must accept any interference received, including interference that may cause undestined operation.

nauthorized changes or modification to this system can void the users authority to serate this equipment.

Its equipment requires shielded interface cables in order to meet FCC class B Limit.

NOTICE rements of the Can

AVIS



About the Symbols

- The \triangle symbol alerts the user to important instructions
- The \infty symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.

⚠WARNING

Protect the unit from strong impact (Do not drop it!)



 Batteries must never be recharged, heated, taken apart, or thrown into fire or water.

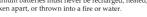


children. If a child has accidentally swallowed a battery, see a doctor immediately.

· Keep lithium batteries out of reach of small

Lithium batteries must never be recharged, heated taken apart, or thrown into a fire or water.





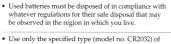


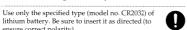
riangle CAUTION

- · Try to prevent cords and cables from becomin entangled. Also, all cords and cables should be placed so they are out of the reach of children.
- · Never climb on top of, nor place heavy objects on the unit



- · Disconnect all cords coming from external devices before moving the unit.
- If used improperly, batteries may explode or leak and cause damage or injury. In the interest of safety, please read and observe the following precautions.
 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.
- Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc.





· 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 cover, keep them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally



CAUTION

VARNING

ADVARSEL!

tus containing Lithium batteries

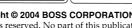
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ensure correct polarity).

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samme batteritype eller en inde type anbefalt av apparatfabrikanten. Brukte batterier kasseres i he

This product complies with the requ of European Directive 89/336/EEC



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

Power Supply: Use of Batteries

 When installing or replacing batteries always turn off the power on this unit and disconnect any other devices you may have connected. This way, you can prevent malfunction and/or damage to other devices.

IMPORTANT NOTES

- A battery was installed in the unit before it left the factory. The life of this battery may be limited, however, since its primary purpose was to enable testing.
- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to other devices.

Placement

- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them
- 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. Excessive heat can deform or discolor the unit.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.

Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possi bility of discoloration and for defor

Additional Precautions

- Please be aware that the contents of memory can be irretrievably lost as a result of a malfunction, or the improper operation of the unit. To protect yourself against the risk of loosing important data, we recommend that you write down important data you have stored in the unit's memory on paper.
- Please be aware that all data contained in the unit's memory may be lost when the unit is sent for repairs. Important data should always be written down on paper (when possible). During repairs, due care is taken to avoid the loss of data. However, in certain cases (such as when circuitry related to memory itself is out of order), we regret that it may not be possible to restore the data, and Roland assumes no liability concerning such loss of data.
- Use a reasonable amount of care when using the unit's buttons sliders or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- · When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- · When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.

PORTUGA

UKRAINE

UNITED KINGDO

Information

When you need repair service, call your nearest Roland Service Center or authorized Roland

URUGUAY

/ENEZUELA

EUROPE

CZECH REP

DENMARK

AFRICA

SOUTH AFRICA

ASIA

MALAYSIA BENTLEY MUS 140 & 142, Jalan

CURAÇÃO

EL SALVADO

MARTINIQUE

AUSTRALIA/

NEW 7FALAND

CENTRAL/LATIN

PANAMA

n, LEBANON (01) 20-1441

SAUDI ARABIA

FEL: (cc.,

SYRIA

**Technical Light & Sound

NORTH AMERICA

CANADA MIDDLE EAST

CYPRUS

U. S. A.

As of August 20, 2004 (ROLAND)

OSS Corporation

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dian Interference-Causing Equipment Regulations

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