

Before using this unit, carefully read "USING THE UNIT SAFELY" and "IMPORTANT NOTES". After reading, keep the document(s) where it will be available for immediate reference.
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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.

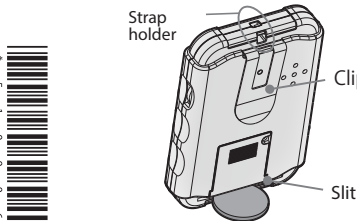
Panel Descriptions

- To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.



- POWER button**
Turns the power on and off.
- RHYTHM/BEAT button**
Switches the unit to Metronome mode. Switches the TEMPO/RHYTHM/BEAT display.
- NOTE/PITCH button**
Switches the unit to Reference Tone mode.
- TEMPO/VALUE button**
Changes the metronome tempo and the values indicated in the display.
- START/STOP button**
Starts and stops the metronome and reference tone.
- 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).
- VOLUME dial**
Adjusts the overall volume.
- Tempo indicators**
Lights in time with the tempo.
- Display**
Information in the display is changed depending on the modes.
 - Never strike or apply strong pressure to the display.
- PHONES jack**
Connect headphones here.

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

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 ▼ 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.
- 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.

- 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 ▼ 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.

- The power to this unit will be turned off automatically after a predetermined amount of time has passed since it was last used for playing music, or its buttons or controls were operated (Auto Power Off function).

- If you do not want the power to be turned off automatically, disengage the Auto Power Off function.
- Unsaved data is lost when the power turns off. Before turning the power off, save the data that you want to keep.
 - To restore power, turn the power on again.

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. "OFF" 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.
- If you handle batteries improperly, you risk explosion and fluid leakage. Make sure that you carefully observe all of the items related to batteries that are listed in "USING THE UNIT SAFELY" and "IMPORTANT NOTES".
 - 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 get 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.

Power Supply: Use of Batteries

- Before installing/removing batteries, make sure to turn off the power to this unit and disconnect all connections to other devices.
- The life of the supplied batteries may be limited, since its primary purpose was to enable testing.

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.
"OFF" 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:		Reference Tone:	A
Reference Pitch:	440 Hz	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. Replace with a new battery.
- 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.

Main Specifications

Metronome

- Tempo: ♩=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. (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
- 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

- This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.

USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS		
About ⚠ WARNING and ⚠ CAUTION Notices	About the Symbols	
⚠ WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.	⚠ The ⚠ symbol alerts the user to important instructions 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.
⚠ CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly.	⚠ The ⚠ 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.
	* 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.	⚠ 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

Concerning the Auto Power Off function

The power to this unit will be turned off automatically after a predetermined amount of time has passed since it was last used for playing music, or its buttons or controls were operated (Auto Power Off function). If you do not want the power to be turned off automatically, disengage the Auto Power Off function.

Do not disassemble or modify by yourself

Do not carry out anything unless you are instructed to do so in the owner's manual. Otherwise, you risk causing malfunction.

Do not repair or replace parts by yourself

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

Do not use or store in the following types of locations

- 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
- Exposed to steam or smoke; or are
- Subject to salt exposure; or are
- Exposed to rain; or are
- Dusty or sandy; or are
- Subject to high levels of vibration and shakiness; or are
- Placed in a poorly ventilated location.

Do not place in an unstable location

Otherwise, you risk injury as the result of the unit toppling over or dropping down.

Avoid extended use at high volume

Use of the unit at high volume for extended periods of time may cause hearing loss. If you ever experience any hearing loss or ringing in the ears, you should immediately stop using the unit and consult a specialized physician.

Do not allow foreign objects or liquids to enter unit; never place containers with liquid on unit

Do not place containers containing liquid (e.g., flower vases) on this product. Never allow foreign objects (e.g., flammable objects, coins, wires) or liquids (e.g., water or juice) to enter this product. Doing so may cause short circuits, faulty operation, or other malfunctions.

Turn off the unit if an abnormality or malfunction occurs

Immediately turn the unit 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; or
- 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.

Be cautious to protect children from injury

Always make sure that an adult is on hand to provide supervision and guidance when using the unit in places where children are present, or when a child will be using the unit.

Do not drop or subject to strong impact

Otherwise, you risk causing damage or malfunction.

Handle lithium batteries carefully

- Lithium batteries must never be recharged, heated, taken apart, or thrown into a fire or water.
- When replacing lithium batteries, make sure that you put them in a place where children cannot reach or touch them.
- Keep lithium batteries out of reach of small children.
- In the event that someone accidentally swallows a lithium battery, this could cause serious or life-threatening problems within a matter of a two hours. Contact a doctor at once.
- Never expose lithium batteries to excessive heat such as sunshine, fire or the like.

CAUTION

Route all power cords and cables in such a way as to prevent them from getting entangled

Injury could result if someone were to trip on a cable and cause the unit to fall or topple.

Avoid climbing on top of the unit, or placing heavy objects on it

Otherwise, you risk injury as the result of the unit toppling over or dropping down.

Disconnect all cords/cables before moving the unit

Damage or malfunction may result if you fail to disconnect all cables before moving the unit.

Handle batteries carefully

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.
- If you won't be using the unit for an extended period of time, save any stored content, for example by making a note of it, and then remove the batteries.
- Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc.
- 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.

Handle lithium batteries carefully

- Use only the specified type (model no. CR-2032) of lithium batteries. Be sure to insert it as directed (to ensure correct polarity).
- 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.

Keep small items out of the reach of children

To prevent accidental ingestion of the parts listed below, always keep them out of the reach of small children.

- Removable Parts
- Battery, Battery cover, Screw for battery cover

Handle leaking batteries carefully

- Do not touch the liquid with your bare hands.
- If any of the leaking fluid gets into your eyes, the loss of vision may result. Do not rub your eyes; use clean water to flush them thoroughly. Then, promptly see a doctor.
- Burning of the skin or dermatitis may result if fluid has gotten onto your skin or clothing. Use clean water to flush affected areas thoroughly; then, promptly see a doctor.
- Using a soft cloth, carefully wipe any remaining fluid from the inside of the battery compartment. Then, install new batteries.

IMPORTANT NOTES

Placement

- This unit may interfere with radio and television reception. Do not use this unit 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 off.
- 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.
- Do not place containers or anything else containing liquid on top of this unit. Also, whenever any liquid has been spilled on the surface of this unit, be sure to promptly wipe it away using a soft, dry cloth.

Maintenance

- Never use benzene, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

Repairs and Data

- Before sending the unit away for repairs, you may prefer to write down the needed information. Although we will do our utmost to preserve the data stored in your unit when we carry out repairs, in some cases, such as when the memory section is physically damaged, restoration of the stored content may be impossible. Roland assumes no liability concerning the restoration of any stored content that has been lost.

Additional Precautions

- Any data stored within the unit can be lost as the result of equipment failure, incorrect operation, etc. To avoid inconvenience in the event of data loss, make a note of any important settings.
- Roland assumes no liability concerning the restoration of any stored content that has been lost.
- 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.
- Never strike or apply strong pressure to the display.
- When 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.
- To avoid disturbing others nearby, try to keep the unit's volume at reasonable levels.

Apparatus containing Lithium batteries	
注意 電池を誤って交換すると爆発する危険があります。必ず正しい方法で交換してください。使用済電池の廃棄は地域の分別基準に従ってください。	CAUTION Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.
ADVARSEL Lithiumbatterier skal installeres ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Lever det brugte batteri tilbage til leverandøren.	VARNING Explosionsfare ved feilinstallering av batterier. Anvend samme batteritype eller en ekvivalent typ som anbefales av apparatleverantøren. Kasserer anvendt batteri enligt fabrikanter instruksjon.
ADVARSEL Eksplosjonsfare ved feilaktig bytte av batteri. Benytt samme batteritype eller en tilsvarende type anbefalt av apparatleverantøren. Ibsatte brukte batterier i henhold til fabrikanter instruksjoner.	VAROITUS Päristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävittä käytetty paristo valmistajan ohjeiden mukaisesti.

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT	
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, it can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: - Reorient or relocate the receiving antenna. - Increase the separation between the equipment and receiver. - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. - Consult the dealer or an experienced radio/TV technician for help. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. This equipment requires shielded interface cables in order to meet FCC class B limit. Any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.	
CAN ICES-3 (B)/NMB-3 (B)	For the USA
Manufacturer: Roland Corporation 2036-1 Nakagawa, Hosoe-cho, Hamana-ku, Hamamatsu, Shizuoka 431-1304, JAPAN Importer: Roland Europe Group Limited Hive 2, 1530 Arlington Business Park, Theale, Reading, Berkshire. RG7 4SA United Kingdom Responsible Person/Authorized Representative: Roland Central Europe NV ENK-23 Zone 1 nr. 1820 Klaus-Michael Kuehnbaum 13, 2440 Geel, BELGIUM	For Canada
Manufacturer: Roland Corporation 2036-1 Nakagawa, Hosoe-cho, Hamana-ku, Hamamatsu, Shizuoka 431-1304, JAPAN Importer: Roland Europe Group Limited Hive 2, 1530 Arlington Business Park, Theale, Reading, Berkshire. RG7 4SA United Kingdom	For EU Countries
Manufacturer: Roland Corporation 2036-1 Nakagawa, Hosoe-cho, Hamana-ku, Hamamatsu, Shizuoka 431-1304, JAPAN Importer: Roland Europe Group Limited Hive 2, 1530 Arlington Business Park, Theale, Reading, Berkshire. RG7 4SA United Kingdom	For the U.K.

For EU Countries, For the U.K.	
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