

Thank you, and congratulations on your choice of the BOSS DB-66 Dr. Beat. To ensure proper operation, and years of trouble-free service, please take the time to read through this Owner's Manual before starting out.

FEATURES

The BOSS Dr. Beat DB-66 is a perfect rhythm training aid for variable types of music from rock to classical.

Adopting quartz system, the DB-66 guarantees extremely high accuracy.

The tempo is digitally shown in the Display, allowing you to set it precisely and quickly.

Tapping the TAP Button to the music, you can see its tempo in the Display Window.

The DB-66 outputs the standard pitch 440 Hz (A4) which can be effectively used for usual tuning.

For basic rhythms (♪, ♪, ♫, ♬, ♮) can be independently volume-adjusted and accented.

IMPORTANT NOTES

When using an AC adaptor, use only the specified device (PSA Series). Use of any other AC adaptor could result in damage, malfunction or electric shock.

[POWER SUPPLY]

Before connecting this unit to other devices, turn off the power to all units; this will help prevent damage or malfunction.

Do not use this unit on the same power circuit with any device that will generate line noise; an electric motor or variable lighting system for example.

The power requirement for this unit is indicated on its nameplate (rear panel). Ensure that the voltage in your installation meets this requirement.

Avoid damaging the power cord: do not step on it, place heavy objects on it, etc. When disconnecting the AC adaptor from the power outlet, grasp the plug itself; never pull on the cord.

If the unit is to remain unused for an extended period of time, unplug the power cord. When installing or replacing batteries, refer to "CHANGING THE BATTERY".

[PLACEMENT]

Do not subject the unit to temperature extremes (eg., direct sunlight in an enclosed vehicle). Avoid using or storing the unit in dusty or humid areas, or areas that are subject to high levels of vibration.

Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum.

Do not expose the unit to temperature extremes or install it near devices that radiate heat. Direct sunlight in an enclosed vehicle can deform or discolor the unit.

[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 mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.

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

[ADDITIONAL PRECAUTIONS]

Protect the unit from strong impact.

Do not allow objects or liquids of any kind to penetrate the unit. In the event of such an occurrence, discontinue use immediately. Contact qualified service personnel as soon as possible.

Should a malfunction occur, or if you suspect there is a problem, discontinue use immediately. Contact qualified service personnel as soon as possible.

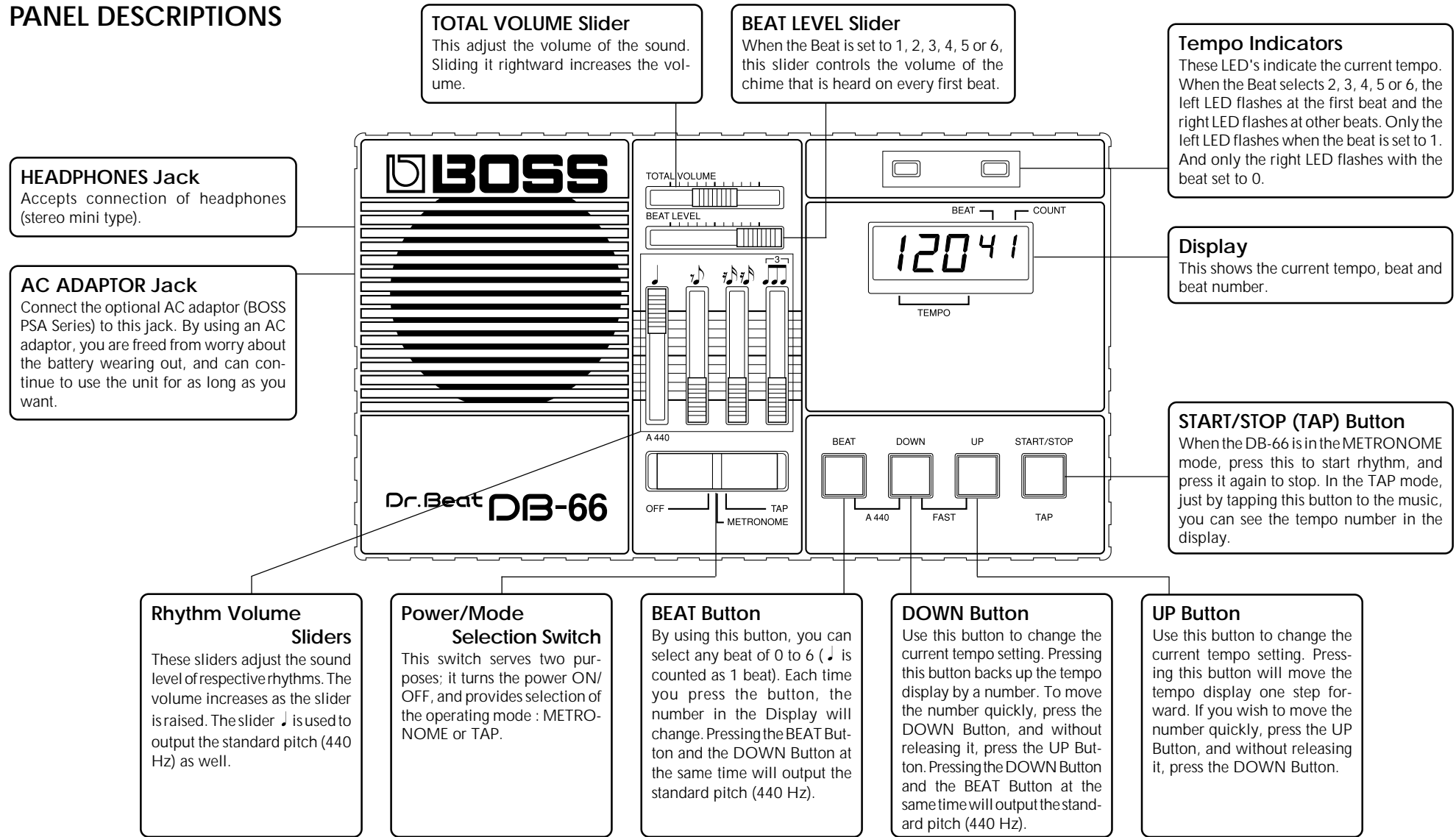
To avoid the risk of electric shock, do not open the unit.

[CHANGING BATTERY]

When replacing battery, be sure to insert them correctly (to ensure correct polarity). Remove the battery whenever the unit is to remain unused for an extended period of time.

Please note that although a battery was installed in your DB-66 when it was shipped from the factory, it has not been connected. You will need to refer to the section "CHANGING THE BATTERY", for instruction on connecting the battery.

PANEL DESCRIPTIONS



For the USA

**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, which 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.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Europe

CE This product complies with the requirements of European Directive 89/336/EEC.

For Canada

CLASS B NOTICE

This digital apparatus does not exceed the Class B limits for radio noise emissions set out in the Radio Interference Regulations of the Canadian Department of Communications.

CLASSE B AVIS

Cet appareil numérique ne dépasse pas les limites de la classe B au niveau des émissions de bruits radioélectriques fixés dans le Règlement des signaux parasites par le ministère canadien des Communications.

For Germany

Bescheinigung des Herstellers / Importeurs

Hiermit wird bescheinigt, daß der/die/das **Roland Dr. Beat DB-66** (Gerät, Typ, Bezeichnung)

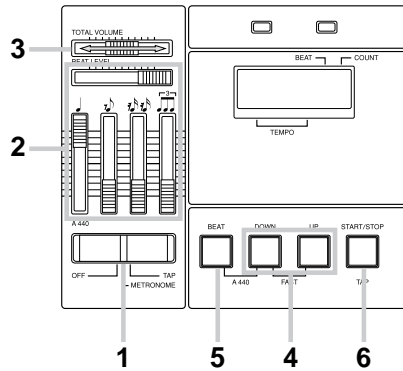
in Übereinstimmung mit den Bestimmungen der BMPT-AmtsblVfg 243/1991 funktionsstört ist. Der vorschriftsmäßige Betrieb mancher Geräte (z. B. Meßsender) kann allerdings gewissen Einschränkungen unterliegen. Beachten Sie deshalb die Hinweise in der Bedienungsanleitung.

Dem Zentralamt für Zulassungen im Fernmeldewesen wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf die Einhaltung der Bestimmungen eingeräumt.

Roland Corporation
4-16 Dojimahama 1-Chome Kita-ku Osaka 530 Japan
(Name und Anschrift des Herstellers/Importeurs)

OPERATING THE UNIT

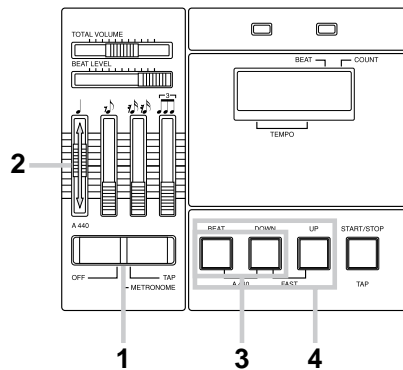
Using the DB-66 as Metronome



1. Set the Power/Mode Selection Switch to "METRONOME".
* When the DB-66 is turned on, tempo is set to 120, and beat to 4.
2. Set the BEAT LEVEL Slider and the Rhythm Volume Sliders as shown in the illustration.
3. Adjust the overall volume with the TOTAL VOLUME Slider.
4. By using the UP and DOWN Buttons, set the tempo you like.
* Hold down either "DOWN" or "UP" while you press the other button to obtain a more rapid change in the tempo value.
5. Press the BEAT Button to select the beat you like.
6. Press the START/STOP Button to start the rhythm and press it again to stop.

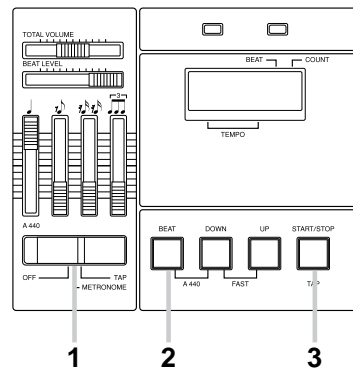
Try making more complicated rhythm like syncopation, 16 beat, etc., by varying the Rhythm Volume setting.

Standard Pitch 440 Hz (A4) Mode



1. Set the Power/Mode Selection Switch to "METRONOME" or "TAP".
2. Adjust the Rhythm Volume Slider \downarrow to your taste.
* If this \downarrow Slider is set to low, there is no sound heard from the speaker.
3. Press the BEAT Button and the DOWN Button at the same time. The Display will show
440 A4 (440 A4)
And the Standard Pitch will be output through the speaker.
4. To stop the sound, press any of the BEAT Button, the DOWN Button or UP Button.

Tempo Setting in Real Time (Tap Mode)



1. Set the Power/Mode Selection Switch to "TAP".
* When the DB-66 is turned on, tempo is set to 120, and beat to 4.
2. By pressing the BEAT Button, Select the desired beat.
3. Tap the TAP Button in the tempo you like, as many times as necessary depending on the beat setting in the step 2.
* When 0 or 1 beat is selected in the step 2, hitting the TAP Button twice is enough. But when 2, 3, 4, 5 or 6 beat is selected, hit the TAP Button as many times as the number of selected beat, and next tapping will cause the Display to show the average tempo of the tapping.
* At this stage if you return the Power/Mode Selection Switch to "METRONOME", the DB-66 is ready to work as a metronome in the last temp setting.

Error Indications in Tap Mode

When the tempo you set is faster than 250 the Display will show

H - (High)

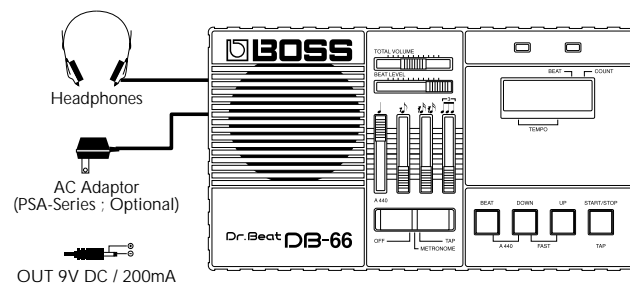
When the tempo you set is as slow as 30 to 34, the Display will show

Lo - (Low)

When the tempo you set is slower than 30, the tempo setting just before that will remain. Therefore, if you stop the real time tempo setting in the middle and start again later, the DB-66 will work in this last tempo.

* Turning the DB-66 off will erase the tempo setting.

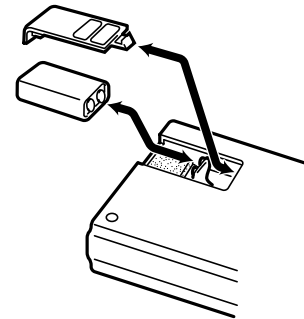
MAKING THE CONNECTIONS



CHANGING THE BATTERY

When the battery is nearly exhausted, speaker output becomes low or the Tempo Indicators light dimmer. To prevent this, replace the battery as soon as possible.

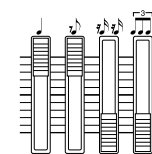
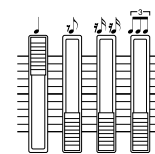
1. Press down and slide off the lid of the battery compartment (located on the bottom of the unit).
2. Remove the old battery from the compartment and disconnect the snap cord.
3. Connect the snap cord to the new battery.
4. Place the new battery inside the compartment and slide the lid back into place.



SAMPLE SETTINGS

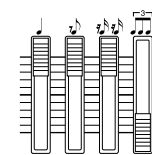
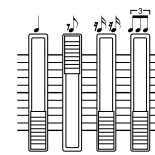
Metronome

8 beat
BEAT 4



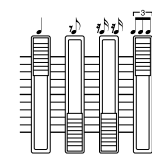
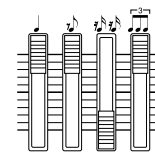
Syncopation

16 beat
BEAT 4



Combined \updownarrow and \updownarrow rhythm

12 beat
BEAT 4



- * For the rhythm without BEAT setting, set it as you like.
- * To accent a beat, set the corresponding volume higher than others.

SPECIFICATIONS

DB-66 : Dr. Beat

Power Supply

9 V DC : Dry battery S-006P/9 V (6F22/9 V)
AC Adaptor (PSA Series : Optional)

Current Draw

55 mA (MAX)

* Expected battery life under continuous use :

Carbon : 17 hours

Alkaline : 45 hours

(TEMPO : 120, TOTAL VOLUME : MAX, BEAT LEVEL : MAX, \downarrow : MAX)

These figures will vary depending on the actual conditions of use.

Tempo Range

M. M. 35 to 250

Tempo Accuracy

+/- 0.15 %

Beat

0, 1, 2, 3, 4, 5 and 6

Standard Pitch

440 Hz (A4) +/- 0.2 cent

Display

7 segments, 5 characters

Speaker

1

Indicators

Tempo Indicator x2

Controls

TOTAL VOLUME Slider

BEAT LEVEL Slider

RHYTHM VOLUME Sliders (\downarrow , \updownarrow , \updownarrow , \updownarrow)

Power/Mode Selection Switch

BEAT Button

DOWN Button

UP Button

START/STOP (TAP) Button

Connectors

HEADPHONES Jack (Stereo Miniature phone type)

AC ADAPTOR Jack

Dimensions

170 (W) x 96 (D) x 33 (H) mm

6-11/16 (W) x 3-3/4 (D) x 1-5/16 (H) inches

Weight

320 g / 11 oz (including battery)

Accessories

Soft Case, Owner's Manual, Dry battery S-006P/9 V (6F22/9 V),

Roland Service

Options

AC Adaptor PSA-Series

0 dBm = 0.775 V rms

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

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