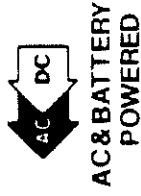


# BOSS

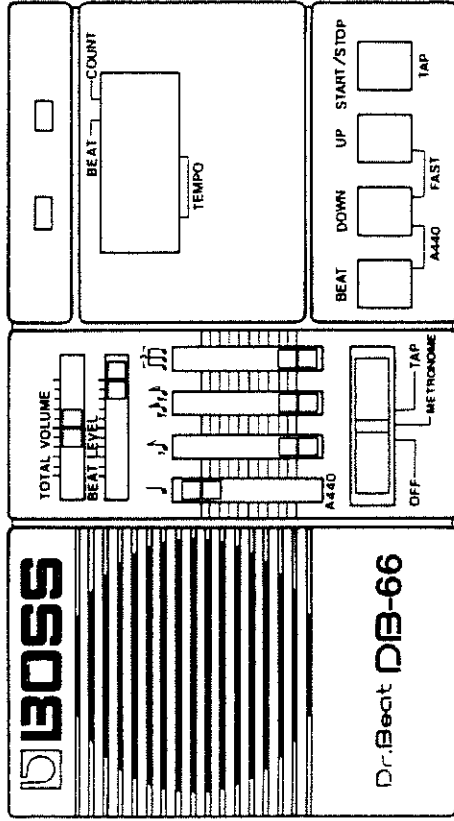
## DB-66

### Dr. Beat



## INSTRUCTIONS

The BOSS Doctor 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 440Hz (A4) which can be effectively used for usual tuning.
- Four basic rhythms ( , , , ) can be independently volume-adjusted and accented.

## PANEL DESCRIPTION

**Total Volume Control**  
This controls the overall volume. Sliding it rightward increases the volume, and leftward decreases.

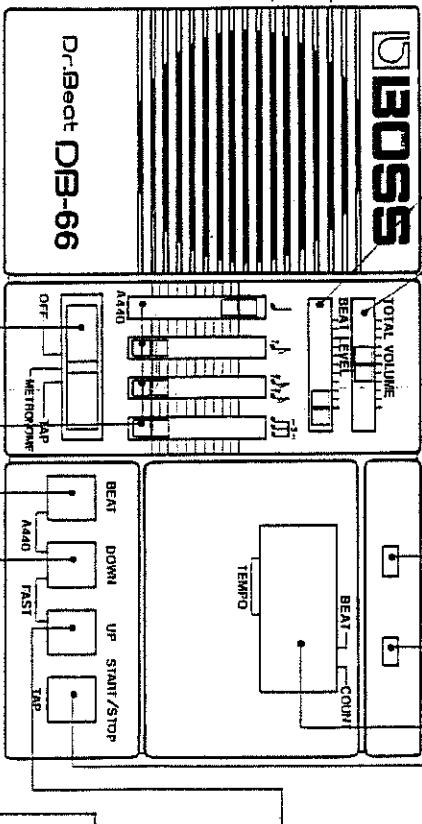
**Beat Level Control**  
When the Beat Selector is set to 1, 2, 3, 4, 5 or 6, this slider knob controls the volume of the chime that is heard on every first beat.

**Headphones Jack**  
This is to connect stereo headphones. Plugging headphones here will cut the sound from the speaker.

**AC Adaptor Jack**  
This is for connecting an AC Adaptor BOSS PSA-120, 220 or 240 depending on the voltage system in your country.

**Mode Switch**  
With this switch set to the OFF position, the DB-66 is turned off. Usually, this should be set to the METRONOME position, and to the TAP position for setting tempo.

**Rhythm Volume Controls**  
These slider controls adjust the sound level of respective rhythms. The volume increases as the slider is raised. The slider **J** is used to output the standard pitch A as well.



**Tempo LED**  
These LEDs indicate the current tempo. When the Beat Selector selects 2, 3, 4, 5 or 6, the left LED flashes at the first beat and the right LED flashes at other beats. Only the left LED flashes when the beat is set to 1. And only the right LED flashes with the beat set to 0.

**LCD Display**  
This shows the current tempo, beat and beat number.

**Start/Stop (Tap) Button**  
When the DB-66 is in the Metronome mode, press this to start rhythm, and press it again to stop. In the Tap mode, just by tapping this button to the music, you can see the tempo display in number.

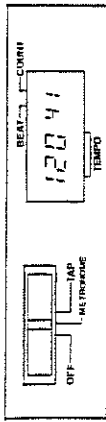
**Up Button**  
Use this button to change the current tempo setting. Pressing this button will move the tempo display one step forward. If you wish to move the number quickly, press the Up Button, and without releasing it, press the Down Button.

**Down Button**  
Use this button to change the current tempo setting. Pressing this button backs up the tempo display by a number. To move the number quickly, press the Down Button, and without releasing it, press the Up Button. Pressing the Down Button and the Beat Selector Button at the same time will output the standard pitch (440Hz).

**Beat Selector Button**  
By using this button, you can select any beat of 0 to 6 (**J** is counted as 1 beat). Each time you press the button, the number in the Display will change like 0 → 1 → 2 → 3 → 4 → 5 → 6 → 0 → 1 → 2 → 3... Pressing the Beat Selector Button and the Down Button at the same time will output the standard pitch (440Hz).

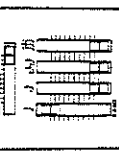
## OPERATION

### 1 Using the DB-66 as Metronome



1 Set the Mode Switch to the METRONOME position.

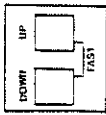
\* On power up, tempo is set to 120, and beat to 4.



2 Set the controls as shown left.



3 Adjust the overall volume with the Total Volume Control.



4 By using the Up and Down Buttons, set the tempo you like.

\* To advance the tempo value quickly, press the Up Button, then without releasing it press the Down Button. And to backup the tempo value quickly, press the Down Button, then without releasing it, press the Up Button.

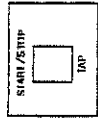


5 Press the Beat Selector Button to select the beat you like.

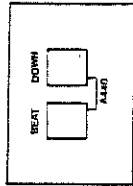


2 Adjust the Rhythm Volume Control J to your taste.

\* If this J slider is set too low, there is no sound heard from the speaker.



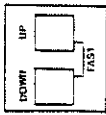
6 Press the Start/Stop Button to start the rhythm and press it again to stop.



3 Press the Beat Button and the Down Button at the same time. The Display will show

440 Hz (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. Pressing the Start/Stop Button will not stop the sound.

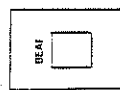
### 2 Standard Pitch 440Hz (A4) Mode

1 Set the Mode Switch to either the METRONOME or TAP position.

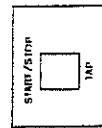
### 3 Tempo Setting in Real Time (Tap Mode)



1 Set the Mode Switch to the TAP position.



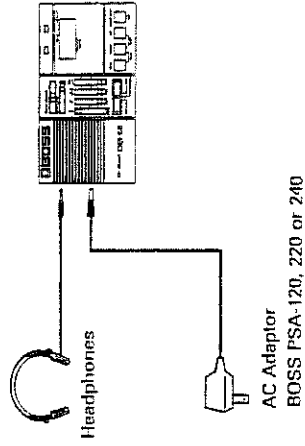
2 By pressing the Beat Selector Button, select the desired beat.



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.

## CONNECTION



4 At this stage if you return the Mode Switch to the METRONOME position, the DB-66 is ready to work as a metronome in the last tempo 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 35, the Display will show

L - (Low)

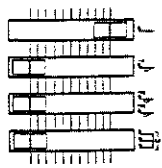
When the tempo you set is slower than 30, the tempo setting just before that will remain. Therefore, if you stop the real time tempo setting in the middle and start again later, the DB-66 will work in this last tempo.

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

## SETTING EXAMPLES

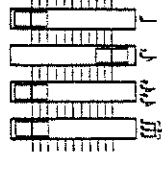
### • Metronome

BEAT



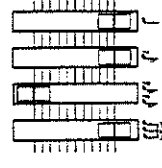
### • Syncopation

BEAT



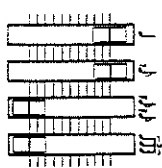
### • Combined $\square$ and $\text{rit}$ rhythm

BEAT



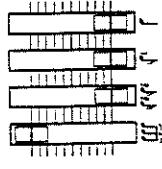
### • 8 beat

BEAT



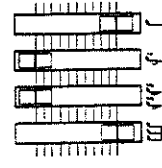
### • 16 beat

BEAT



### • 12 beat

BEAT



**Note)** For the rhythm without Beat Selector setting, set it as you like.

To accent a beat, set the corresponding volume control higher than others.

## IMPORTANT NOTES

### Power Supply

The DB-66 can operate from either AC or a battery. When operating the DB-66 on battery, take care of the battery consumption.

### Location

Operating the DB-66 near a neon or fluorescent lamp may cause noise interference. If so, change the angle or position of the DB-66.

Avoid using the DB-66 in excessive heat or humidity or where it may be affected by direct sunlight or dust.

### Cleaning

Use a soft cloth and clean only with a mild detergent. Do not use solvents such as paint thinner.

### Liquid Crystal Display

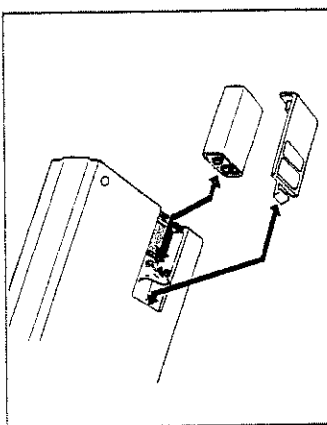
View the Display from the proper angle.

Please be careful not to damage the window.

## BATTERY

When the battery voltage drops, speaker output becomes low or the LED's light dims. To prevent this, replace the battery.

### Battery Replacement (Use a 9V Battery)



- ① Remove the cover of the battery housing on the bottom of the unit.
- ② Take out the battery and disconnect the snap cord from the battery.
- ③ Place a new battery. (Be sure that the polarity is correct.)
- ④ Replace the cover.

• If the DB-66 is not to be used for a long time, remove the battery to prevent the trouble caused by battery leakage.

## AC ADAPTOR OPERATION

Use the BOSS AC Adaptor (PSA-120, 220 or 240 depending on the voltage system in your country, and never use an Adaptor for two units simultaneously).

Do not turn the DB-66 on before connecting the AC Adaptor to it.



## RADIO AND TELEVISION INTERFERENCE

**Warning** - This equipment has been verified to comply with the limits for a Class B computing device, pursuant to Subpart J, of Part 15, of FCC rules. Operation with non-certified or non-verified equipment is likely to result in interference to radio and TV reception.

The equipment described in this manual generates and uses radio-frequency energy. If it is not installed and used properly, that is, in strict accordance with our instructions, it may cause interference with radio and television reception.

This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J, of Part 15, of FCC Rules. These rules are designed to provide reasonable protection against such a interference in a residential installation. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by the following measure:

- Disconnect other devices and their input/output cables one at a time. If the interference stops, it is caused by either the other device or its I/O cable.
- These devices usually require Roland designated shielded I/O cables. For Roland devices, you can obtain the proper, shielded cable from your dealer. For non-Roland devices, contact the manufacturer or dealer for assistance.

If your equipment does cause interference to radio or television reception, you can try to correct the interference by using one or more of the following measures:

- Turn the TV or radio antenna until the interference stops.
- Move the equipment to one side on the other of the TV or radio.
- Move the equipment farther away from the TV or radio.
- Plug the equipment into an outlet that is on a different circuit than the TV or radio. (That is, make certain the equipment and the radio or television set are on circuits controlled by different circuit breakers or fuses.)
- Consider installing a rooftop television antenna with coaxial cable lead in between the antenna and TV.

If necessary, you should consult your dealer or an experienced radio/television technician for additional suggestions. You may find helpful the following booklet prepared by the Federal Communications Commission:

"How to Identify and Resolve Radio-TV Interference Problems"

This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402, Stock No. 004 000 00345 4.

## Bescheinigung des Herstellers /Importeurs

Hiermit wird bescheinigt, daß der/die/das

Dr. BEAT DB-66

(Gerät, Typ, Bezeichnung)

in Übereinstimmung mit den Bestimmungen der

Amtsbl. Vfg 1046 / 1984

(Amtsblattverfügung)

funkt-entstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

Roland Corporation Osaka / Japan

Name des Herstellers/Importeurs

## SPECIFICATIONS

### Power

9V Battery  
AC Adaptor BOSS PSA-120,  
220 or 240

### Consumption

DC 9V 9mA (when stopped)  
M.M. 35 to 250

### Tempo Accuracy

±0.15%

### Beat

0,1,2,3,4,5 and 6  
440Hz (A4) ±0.2 cent

### Standard Pitch

LCD

### Display

× 1  
× 2  
Rhythm Volume Controls

### Speaker

Beat Level Control

### Tempo LED

Total Volume Control

### Controls

Beat Selector Button

### Jacks

Down Button

### Dimensions

Up Button

### Weight

Start/Stop (Tap) Button

### Accessories

Mode Switch

### Headphones Jack (Stereo, Mini)

AC Adaptor Jack

### Owner's Manual

170(W) × 96(D) × 33(H)mm / 6<sup>11</sup>/<sub>16</sub>" × 3<sup>3</sup>/<sub>4</sub>" × 1<sup>5</sup>/<sub>16</sub>"

320g/11oz

Soft Case

Owner's Manual



10614



Products of Roland

\* Specifications are subject to change without notice.