

DIGITAL PERCUSSION

DD-6

Owner's Guide

YAMAHA

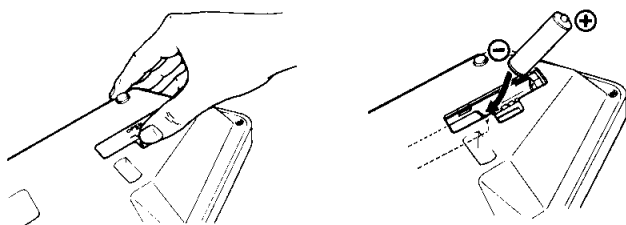
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Before Playing

Inserting Batteries

Remove the battery compartment cover on the bottom of the instrument and insert six 1.5V SUM-3, R-6, "AA" size or equivalent batteries (sold separately), making sure that the polarities are placed as directed in the compartment. Replace the cover, ensuring that it locks securely in place.



* As the battery voltage drops below the required operating level, the following changes will occur in the operation of the DD-6:

1. *Tom, conga and other drum-type sounds will become distorted. This distortion increases the louder you play.*
2. *The STYLE/BEAT/TEMPO display ③ will dim, and its brightness will vary when you play the pads.*

Caution:

- *When the batteries run down, replace them with a complete set of six new batteries. NEVER mix old and new batteries.*
- *To prevent possible damage due to battery leakage, remove the batteries from the instrument if it is not to be used for an extended period of time.*

Optional Power Adaptors

Power Adaptor PA-1/ PA-1B/ PA-3 is available for household current. No other adaptor is usable, so when you purchase a power adaptor please ensure that it is model PA-1/ PA-1B/ PA-3.

For An Even Bigger Sound

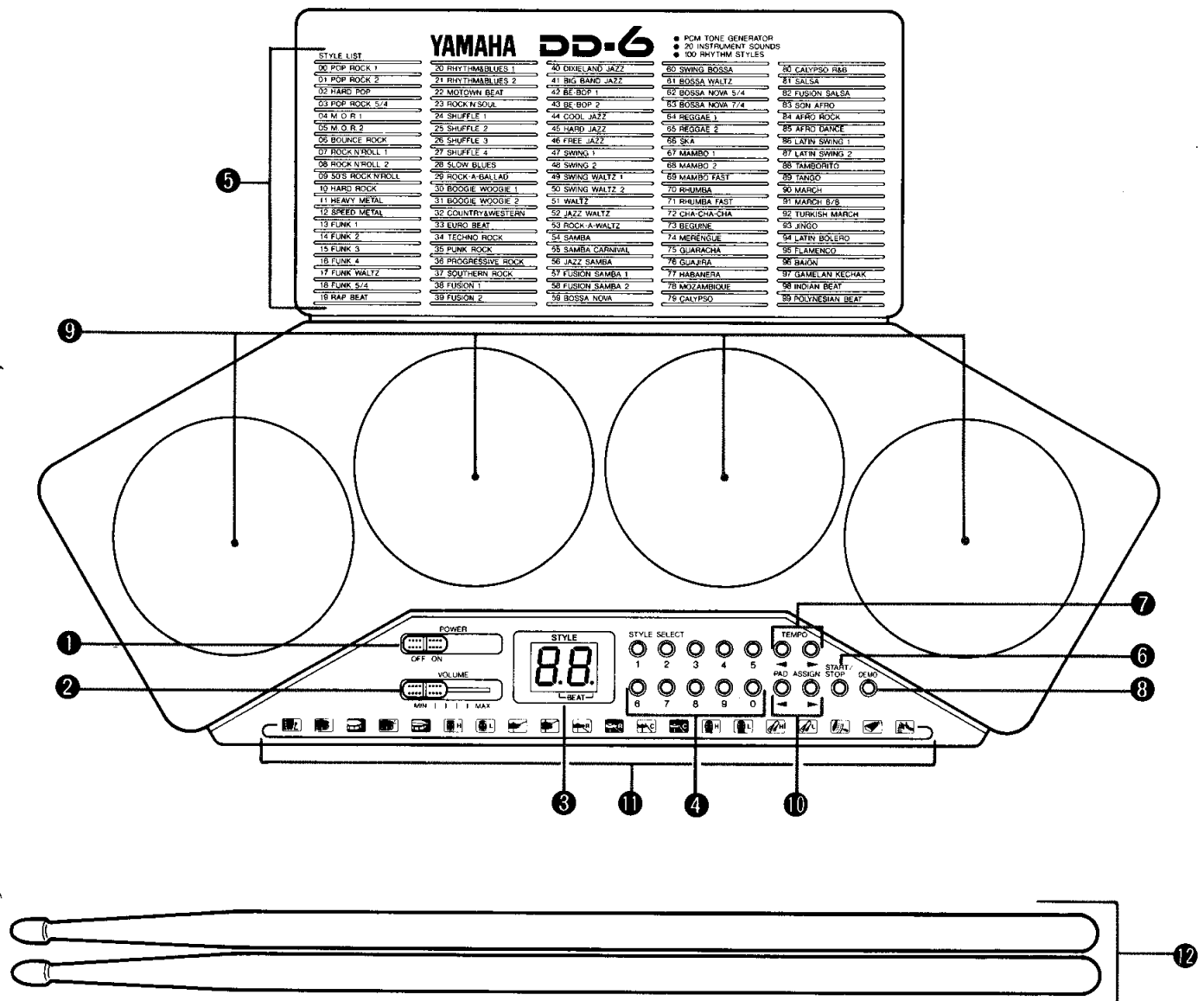
Although you'll be happy with the sound from the built-in speaker, you can enhance and create an even more satisfying sound if you connect the DD-6 to a bigger speaker system. Try using your home stereo or other PA system.

Taking Care Of Your Digital Percussion

Your Digital Percussion DD-6 Will remain in excellent playing condition if care is taken concerning the following.

1. When you use AC power, be sure to use the optional PA-1/ PA-1B/ PA-3. Before use, read the adaptor instructions carefully.
2. Do not subject the unit to physical shock, and avoid placing anything heavy on it.
3. Do not place the instrument near any heating appliance, or leave it inside a car in direct sunlight for any length of time. Direct sunshine can raise the interior temperature of a car with closed doors and windows to as high as 80°C (176°F). Temperatures in excess of 60°C (140°F) can cause physical and/or electrical damage, as well as physical deformation or discoloration.
4. Use a dry damp cloth for cleaning. Never use solvents such as benzine or thinner.

1. NOMENCLATURE



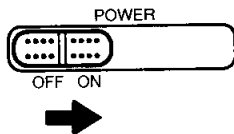
- 1 POWER Switch
- 2 VOLUME Control
- 3 STYLE/ BEAT/ TEMPO Display
- 4 STYLE SELECT Buttons
- 5 STYLE LIST
- 6 START/ STOP Button
- 7 TEMPO Controls
- 8 DEMO Button
- 9 Percussion Pads
- 10 PAD ASSIGN Buttons
- 11 Instrument Symbols
- 12 Percussion Sticks

The Yamaha DD-6 Digital Percussion unit is supplied with a pair of Percussion Sticks. These sticks have been designed specifically for use with the DD-6, and should not be used to play acoustic drums or to strike any surface other than the DD-6 percussion pads.

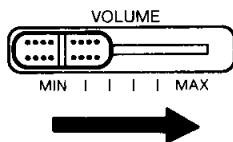
2. LISTEN TO THE DEMONSTRATION

The DD-6 is programmed with a demonstration that allows you to hear many of the built-in rhythm styles in sequence. The number of each style is shown on the STYLE/ BEAT/ TEMPO display ③ as it plays.

1. Slide the POWER switch ① to the ON position.



2. Set the VOLUME control ② to a position about half way between the MIN and MAX settings. You can make further volume adjustments once playback begins.



3. Press the DEMO button ⑧ to begin demonstration playback. You can play along with the demonstration by tapping on the DD-6 percussion pads.



4. The demonstration can be stopped at any time by pressing either the DEMO or START/ STOP button ⑧ ⑥.

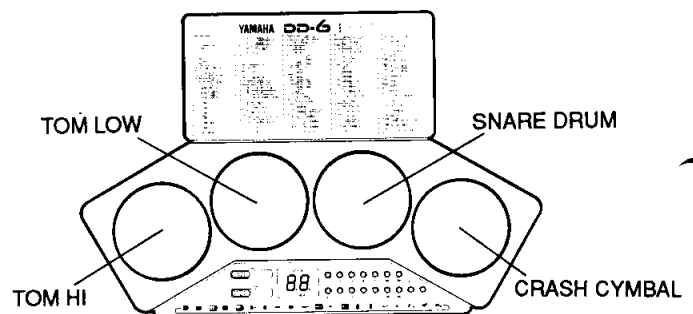


3. ENJOYING MANUAL PERCUSSION

This is the main function of the Digital Percussion DD-6. When the POWER switch ① is "ON", it is possible to hear percussion sounds when tapping the Percussion Pads ⑨ with the Percussion Sticks ⑫ or your hands. You can have fun playing the DD-6 just like an acoustic percussion set. Also, the Pads are equipped with a touch-level sensor, which means you can obtain different volume levels depending on how hard you tap the pad.

1. Set the POWER switch ① to the "ON" position.
2. Tap any of the Percussion Pads ⑨ to hear percussion sounds.

* The percussion sounds are preset as follows.



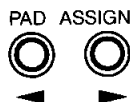
* Once the maximum volume is reached, it is not possible to create higher volume by striking the percussion pads any harder. The use of unnecessary force in playing the percussion pads can cause mechanical damage to the instrument as well as spurious triggering of unwanted sounds.

PAD ASSIGN

This function allows you to assign any of the 20 percussion sounds indicated by the Instrument Symbols ⑪ at the bottom of the DD-6 control panel to any of the percussion pads.



1. Press and hold either the ◀ or ▶ PAD ASSIGN button ⑩, depending on the direction you want to move through the instrument "list." If the instrument you want to assign to a pad can be accessed most quickly by moving backward from the current instrument, for example, press and hold the ◀ PAD ASSIGN button.



2. While holding the appropriate PAD ASSIGN button, tap the pad to which you want to assign a new instrument. Each time the pad is tapped, the next instrument in the specified direction (◀ or ▶) will be heard.

3. Release the ◀ or ▶ PAD ASSIGN button immediately after you hear the instrument you want to assign to the pad. The newly assigned instrument will now be heard whenever that pad is played — until a new instrument is assigned.

- * The preset pad assignments (see previous page) are restored whenever the POWER switch is turned ON.
- * Some of the instruments are **reverse** sounds. This is similar to the effect of recording the sound on tape and playing it backwards.
- * It is possible to return to the first bass drum sound (at the far left of the instrument list) at any time by holding both the ◀ and ▶ PAD ASSIGN buttons simultaneously and striking a pad.

4. HOW TO USE THE AUTO RHYTHM SECTION

This section offers you an extraordinary total of 100 different programmed rhythms, all of which are listed on the panel. PCM digital technology ensure lifelike reproduction.

YAMAHA		DD-6	● PCM TONE GENERATOR ● 20 INSTRUMENT SOUNDS ● 100 RHYTHM STYLES
STYLE LIST			
00 POP ROCK 1	20 RHYTHM&BLUES 1	40 DIXIELAND JAZZ	60 SWING BOSSA
01 POP ROCK 2	21 RHYTHM&BLUES 2	41 BIG BAND JAZZ	61 BOSSA WALTZ
02 HARD POP	22 MOTOWN BEAT	42 BE-BOP 1	62 BOSSA NOVA 5/4
03 POP ROCK 5/4	23 ROCK N'SOUL	43 BE-BOP 2	63 BOSSA NOVA 7/4
04 M.O.R. 1	24 SHUFFLE 1	44 COOL JAZZ	64 REGGAE 1
05 M.O.R. 2	25 SHUFFLE 2	45 HARD JAZZ	65 REGGAE 2
06 BOUNCE ROCK	26 SHUFFLE 3	46 FREE JAZZ	66 SKA
07 ROCK N'ROLL 1	27 SHUFFLE 4	47 SWING 1	67 MAMBO 1
08 ROCK N'ROLL 2	28 SLOW BLUES	48 SWING 2	68 MAMBO 2
09 50'S ROCK N'ROLL	29 ROCK-A-BALLAD	49 SWING WALTZ 1	69 MAMBO FAST
10 HARD ROCK	30 BOOGIE WOOGIE 1	50 SWING WALTZ 2	70 RHUMBA
11 HEAVY METAL	31 BOOGIE WOOGIE 2	51 WALTZ	71 RHUMBA FAST
12 SPEED METAL	32 COUNTRY&WESTERN	52 JAZZ WALTZ	72 CHA-CHA-CHA
13 FUNK 1	33 EURO BEAT	53 ROCK-A-WALTZ	73 BEGUINE
14 FUNK 2	34 TECHNO ROCK	54 SAMBA	74 MERENGUE
15 FUNK 3	35 PUNK ROCK	55 SAMBA CARNIVAL	75 GUARACHA
16 FUNK 4	36 PROGRESSIVE ROCK	56 JAZZ SAMBA	76 GUAJIRA
17 FUNK WALTZ	37 SOUTHERN ROCK	57 FUSION SAMBA 1	77 HABANERA
18 FUNK 5/4	38 FUSION 1	58 FUSION SAMBA 2	78 MOZAMBIQUE
19 RAP BEAT	39 FUSION 2	59 BOSSA NOVA	79 CALYPSO
			80 CALYPSO R&B
			81 SALSA
			82 FUSION SALSA
			83 SON AFRO
			84 AFRO ROCK
			85 AFRO DANCE
			86 LATIN SWING 1
			87 LATIN SWING 2
			88 TAMBORITO
			89 TANGO
			90 MARCH
			91 MARCH 6/8
			92 TURKISH MARCH
			93 JINGO
			94 LATIN BOLERO
			95 FLAMENCO
			96 BAION
			97 GEMELAN KECHAK
			98 INDIAN BEAT
			99 POLYNESIAN BEAT

1. Switch On

If the power is not already on, slide the POWER switch ① to the "ON" position. The STYLE/ BEAT/ TEMPO display ③ will then illuminate.

2. Adjust the Volume

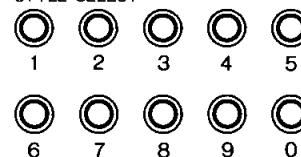
Set the VOLUME control ② to an appropriate volume level — start with a setting about half way between MIN and MAX.

3. Select a Rhythm Style

Use the number buttons to enter the number of the desired rhythm style. The various rhythm styles and their numbers are shown in the STYLE LIST ⑤ above the percussion pads. Always enter two digits to select a rhythm style. For example, to select style 47 (SWING 1), first press the "4" button and then the "7" button. The numbers are shown on the STYLE/ BEAT/ TEMPO display ③ as they are entered. The new style is selected as soon as the second digit of its number is entered.



STYLE SELECT



4. Start the Rhythm

Press the START/STOP button to begin playback of the selected rhythm.

- * The two dots at the bottom of the STYLE/ BEAT/ TEMPO display flash in time with rhythm playback. Both dots flash simultaneously on the first beat of the two-measure pattern, the left dot alone flashes on the first beat of the second measure, and the right dot flashes on the remaining beats of both measures.

5. Set The Tempo

Adjust the tempo as you like by using the TEMPO controls 7. ► is for increasing the tempo and ◀ is for decreasing the tempo.

- The tempo can be set from -8 (♩ = 40) — +7 (♩ = 230).
- To set the preset tempo 0 (♩ = 114), press both controls at the same time.
- The preset tempo 0 (♩ = 114) is restored whenever the POWER switch is turned ON.



6. Stop The Rhythm

Press the START/ STOP button 6 again and the rhythm will stop.

- Style 00 (POP ROCK 1) is automatically selected whenever the POWER switch is turned ON.

5. PERCUSSION ENSEMBLE

It is possible to combine manual percussion with auto rhythm patterns.

Ensemble With auto Rhythm

To enjoy a percussion ensemble of your own, simply tap the Percussion Pads 9 while an auto rhythm pattern is playing.

6. EXTERNAL JACKS

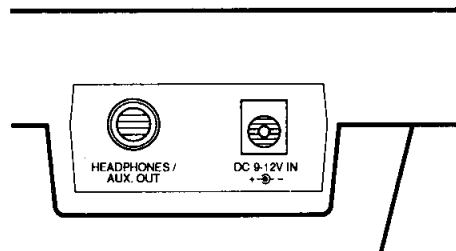
You will find two jacks on the side of the instrument. These jacks are for connecting optional accessories and other equipment.

1. External Power Source (DC9 — 12V IN)

Connect the optional AC power adaptor PA-1/ PA-1B/ PA-3 to the DC9 — 12V IN jack.

2. HEADPHONES/ AUX. OUT jack

Connect a set of headphones to this jack and you can enjoy playing without disturbing others. Also for connecting to a stereo system or other equipment.



7. OPTIONAL ACCESSORIES

• AC Power Adaptor (PA-1/ PA-1B/ PA-3)

Transforms AC voltage to DC voltage.

• Headphones (HPE-3/ HPE-5)

Specially designed lightweight dynamic headphones with extra-soft ear pads.

Availability of some optional accessories will vary from country to country.

8. SPECIFICATIONS

Percussion Pads

4 pads

Auto Rhythm Patterns (100 styles)

Pop Rock 1, Pop Rock 2, Hard Pop, Pop Rock 5/4, M.O.R. 1, M.O.R. 2, Bounce Rock, Rock'n' Roll 1, Rock'n' Roll 2, 50's Rock'n' Roll, Hard Rock, Heavy Metal, Speed Metal, Funk 1, Funk 2, Funk 3, Funk 4, Funk Waltz, Funk 5/4, Rap Beat, Rhythm & Blues 1, Rhythm & Blues 2, Motown Beat, Rock'n' Soul, Shuffle 1, Shuffle 2, Shuffle 3, Shuffle 4, Slow Blues, Rock-A-Ballad, Boogie Woogie 1, Boogie Woogie 2, Country & Western, Euro Beat, Techno Rock, Punk Rock, Progressive Rock, Southern Rock, Fusion 1, Fusion 2, Dixieland Jazz, Big Band Jazz, Be-Bop 1, Be-Bop 2, Cool Jazz, Hard Jazz, Free Jazz, Swing 1, Swing 2, Swing Waltz 1, Swing Waltz 2, Waltz, Jazz Waltz, Rock-A-Waltz, Samba, Samba Carnival, Jazz Samba, Fusion Samba 1, Fusion Samba 2, Bossa Nova, Swing Bossa, Bossa Waltz, Bossa Nova 5/4, Bossa Nova 7/4, Reggae 1, Reggae 2, Ska, Mambo 1, Mambo 2, Mambo Fast, Rhumba, Rhumba Fast, Cha-Cha-Cha, Beguine, Merengue, Guaracha, Guajira, Habanera, Mozambique, Calypso, Calypso R&B, Salsa, Fusion Salsa, Son Afro, Afro Rock, Afro Dance, Latin Swing 1, Latin Swing 2, Tamborito, Tango, March, March 6/8, Turkish March, Jingo, Latin Bolero, Flamenco, Baion, Gamelan Kechak, Indian Beat, Polynesian Beat

Instrument Voices

Bass Drum, Snare Drum, Reverse Snare, Rim Shot, Reverse Rim, Tom Hi, Tom Low, Hi-Hat Close, Hi-Hat Open, Ride Cymbal, Reverse Ride Cymbal, Crash Cymbal, Reverse Crash Cymbal, Conga Hi, Conga Low, Agogo Hi, Agogo Low, Shaker, Cowbell, Hand Clap

Controls and Display

Power Switch, Volume Control, Style/ Beat/ Tempo Display, Style Select Buttons, Style List, Start/ Stop Button, Tempo Controls, Demo Button, Pad Assign Buttons, Instrument Symbols

Other Functions

Auto Rhythm Demonstration, Touch-Level Sensitive Pads

Auxiliary Jacks

DC9-12V In, Phones/ Aux Out

Main Amplifier

2.5W (RMS), 8 ohms

Speaker

10 cm, 8 ohms

Rated Voltage

DC 9v:

- Six 1.5v SUM-3, R-6, "AA" size or equivalent batteries
- AC Power adaptor (PA-1, PA-1B, PA-3)

Dimensions (W x D x H)

420mm x 261mm x 113 mm
(16-1/2" x 10-1/4" x 4-1/2")

Weight

1.3 kg (2.9 lbs.) excluding batteries

Original Accessory

Percussion Sticks

Specifications subject to change without notice.

9. TROUBLESHOOTING

In many cases, what appear to be malfunctions can be traced to simple causes. Please check the following symptoms, causes and remedies before assuming that your DD-6 is faulty.

Symptom	Cause	Remedy
A buzz or click occurs momentarily when the DD-6 is turned ON or OFF.	This is a result of the transient power surge that occurs when the POWER switch is operated, and is normal.	This is not a malfunction.
The STYLE/ BEAT/ TEMPO display is dim or completely dark.	1. The batteries are running low. 2. The voltage may drop temporarily when the volume is turned up - this is normal.	If the problem is caused by low batteries, the batteries should be replaced immediately.
No sound from the DD-6 speakers.	1. The volume is turned down too low.	1. Turn the volume up to an appropriate level.
	2. A plug is inserted into the HEAD-PHONES/ AUX. OUT jack - this automatically shuts off the sound from the speakers.	2. Remove the plug from the HEAD-PHONES/ AUX. OUT jack.
The wrong instrument plays when you strike a pad.	1. The desired instrument has not been properly assigned to the pad.	1. Assign the desired instrument to the pad(s).
	2. The POWER switch has been turned OFF and ON.	2. The preset pad assignments are restored whenever the DD-6 is turned ON, so this is not a malfunction.

FCC INFORMATION

IMPORTANT NOTICE : DO NOT MODIFY THIS UNIT!

This product, when installed, as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

IMPORTANT :

When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions.

Failure to follow instructions could void your FCC authorization to use this product in the USA.

NOTE :

This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filters.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact: Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park CA, 90620

* This applies only to products distributed by YAMAHA Music Corporation of America.

The serial number of this product may be found on the bottom of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

Model No. DD-6

Serial No.

Concerning the Warranty

This product was made for international distribution, and since the warranty for this type of product varies from marketing area to marketing area, please contact the selling agency for information concerning the applicable warranty and/or service policies.

YAMAHA
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