



***DIGITAL
DRUM***

DD-306

Instruction Manual

Congratulations!

Thank you for purchasing this digital drum. The drum has been developed to act and play like a drum set but with greater ease. Before you use the instrument, we recommend you to read through this manual.

Taking Care of Your Digital Drum

Your digital drum will give you years of playing pleasure if you follow the rules shown below:

Location

Do not expose the unit to the following conditions to avoid deformation, discoloration, or more serious damage.

Direct sunlight.

High temperature (near a heat source, or in a car during the day time).

Excessive humidity.

Excessive dust.

Strong vibration

Power Supply

Turn the power switch OFF when the instrument is not in use.

If an AC adaptor is used, it should be unplugged from the AC outlet if the instrument is not to be used for an extended period of time.

Unplug the AC adaptor during electric storms.

Avoid plugging the AC adaptor into the same AC outlet as appliance with high power consumption, such as electric heaters or ovens. Also avoid using multi-plug adaptors since these can result in reduced sound quality, operation errors, and possibly damage.

Turn Power OFF When Making Connections

To avoid damage to the instrument and other devices to which it is connected, turn the power switches of all related device OFF prior to connecting or disconnecting cables.

Handling and Transport

Never apply excessive force to the controls, connectors or other parts of the instrument.

Always unplug cables by gripping the plug firmly, but not pulling on the cable.

Disconnect all cables before moving the instrument.

Physical shocks caused by dropping, bumping, or placing heavy objects on the instrument can result in scratches and more serious damage.

Cleaning

Clean the cabinet and panel with a dry soft cloth.

A slightly damp cloth may be used to remove stubborn grime and dirt.

Never use cleaners such as alcohol or thinner. Avoid placing vinyl object on top of the unit (vinyl can stick to and discolor the surface).

Electrical Interference

This instrument contains digital circuitry and may cause interference if placed too close to radio or television receivers. If this occurs, move the instrument further away from the affected equipment.

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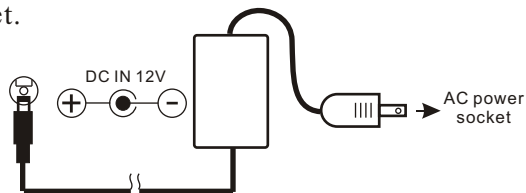
Setting up

Power Supply

Your Digital Drum will run either from batteries or power adaptor. Follow the instructions below according to the power source you intend to use.

Using an AC-Adaptor

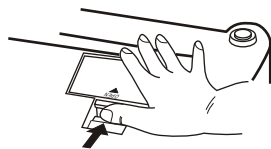
Connect the power adaptor to the DC IN jack located on the rear panel of the unit, and plug the AC power adaptor into an AC power outlet.



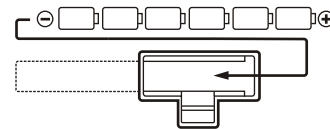
Do not use adaptors other than the one specified. The technical specification of the adaptor is 12V DC output, 2200mA, centre negative type.

Using Batteries

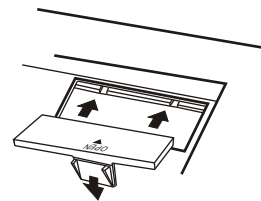
- 1 Open the battery compartment cover on the underside of the unit.



- 2 Insert six "C" size, R14, SUM-2 or equivalent batteries. When inserting the batteries, be care to follow the polarity markings in the illustration.



- 3 Close the battery compartment securely.



NOTES

- Power will be automatically drawn from the AC adaptor if an optional AC adaptor is connected while batteries are installed in the instrument.

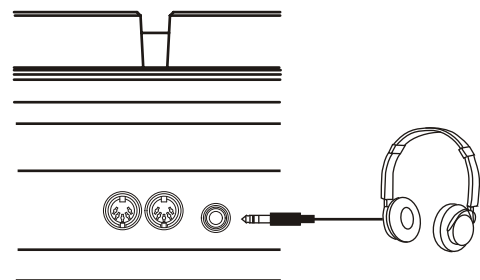
CAUTION

- It is recommended that you replace worn batteries as soon as possible. When battery voltage drops, the display will dim and/or the sound will become distorted. When this occurs, replace the batteries with a complete set of six new batteries of the same type.
- NEVER mix old and new batteries, different types of batteries (alkaline, magnesium, etc.), batteries by different makers, or batteries from the same maker but of different types. Misuse may cause the instrument to become hot, result in fire, or battery leakage.

Also, to prevent damage due to battery leakage, remove all the batteries from the instrument when it is not to be used for an extended period of time. Batteries left in an unused instrument will also lose their power overtime.

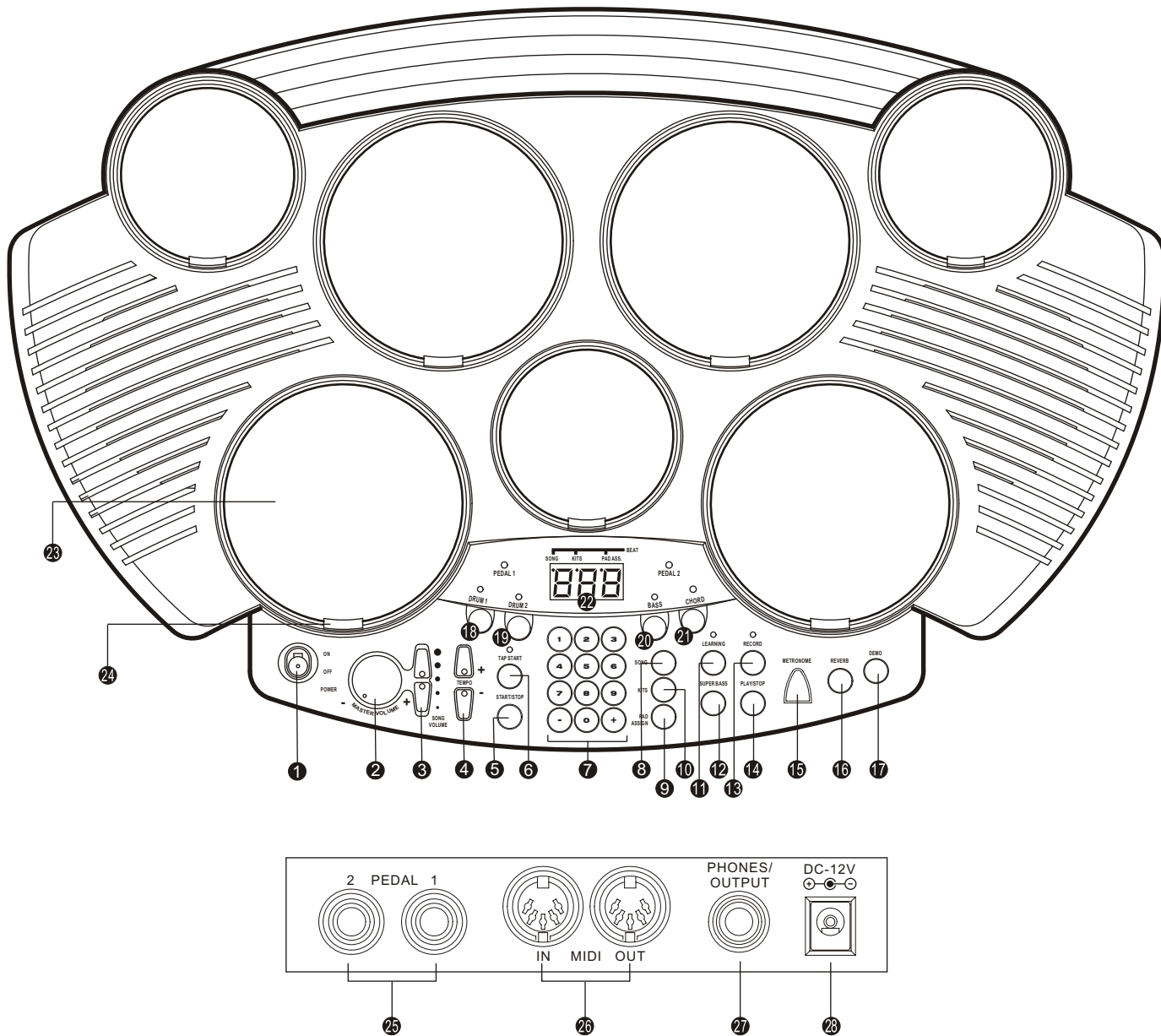
Using Headphones

An optional set of stereo headphones can be connected to the PHONE/OUTPUT jack located on the rear panel. When a pair of headphones is connected to the jack, the internal speakers of the unit will switch off automatically, perfect for private practice or late night playing. If you want to use an external sound system, the headphone jack can also be used to connect the digital drum to a stereo system or mixing console.



* Turn the power OFF on all equipment before making any connections.

Control Panel



Front Panel

- | | |
|-----------------|----------------------|
| ① POWER ON/OFF | ⑩ KITS |
| ② MASTER VOLUME | ⑪ LEARNING |
| ③ SONG VOLUME | ⑫ SUPER BASS |
| ④ TEMPO | ⑬ RECORD |
| ⑤ START/STOP | ⑭ PLAY/STOP |
| ⑥ TAP START | ⑮ METRONOME |
| ⑦ NUMBER KEYS | |
| ⑧ SONG | |
| ⑨ PAD ASSIGN | |
| | ⑯ REVERB |
| | ⑰ DEMO |
| | ⑱ DRUM 1 |
| | ⑲ DRUM 2 |
| | ⑳ BASS |
| | ㉑ CHORD |
| | ㉒ Display |
| | ㉓ Drum Pads (x7) |
| | ㉔ Drum Pad Indicator |

Rear Panel

- | |
|-------------------------------|
| ⑳ PEDAL 1 & 2 Jacks |
| ㉖ MIDI IN/MIDI OUT Terminals |
| ㉗ PHONES/OUTPUT Jack |
| ㉘ DC IN 12V (AC Adaptor) Jack |

Connecting the Foot Pedals (1 & 2)

The supplied footpedals can be connected to the unit to similarly play the drum set's hi-hat pedal or bass drum voices or they can also be assigned to play other voices as well.

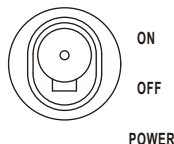
Note: Do not press the pedal while connecting it to the unit or while turning on the power. (Connecting in this manner with the power on, the pedal's function may be reversed.)

Supplied Accessories

- Foot Pedal x 2
- Drum Stick x 2

Playing The Demo Song

The Digital Drum comes with a demo song for showing you the possibilities of the drum. To playback the demo song, follow the instruction below:



1 Turn on the power

Turn the **[POWER]** switch ON.
The LED Display light up.



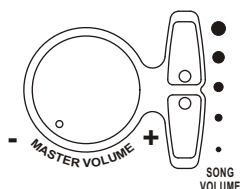
2 Start the Demo Song

Press the **[DEMO]** button, the demo song will start and the **LEARNING** indicator light up at the same time. At this time the demo song is starting in learning mode, the LED of the drum pads will flash by following the rhythm of the demo song. To exit the learning mode, press **[LEARNING]** button again.

● MASTER VOLUME

The overall volume level of the instrument is controlled by a **[MASTER VOLUME]** button.

Turn the **[MASTER VOLUME]** clockwise to increase the overall volume . To decrease volume, turn anti-clockwise.

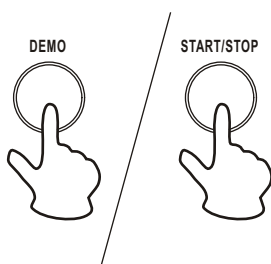


● SONG VOLUME

The song's volume level is controlled by two **[SONG VOLUME]** buttons (volume levels 0-9)

The **SONG VOLUME** can be used to adjust the balance between the song accompaniment and your own performance on the pads.

Press the top **[SONG VOLUME]** button to increase the song volume by one level. Press the bottom **[SONG VOLUME]** button to decrease the song volume by one level. Holding either of the buttons increases or decreases the song volume level rapidly.



3 Stop the Demo Song

To stop playback, press either the **[DEMO]** button again or the **[START/STOP]** button.

Play the Pads/Pedals

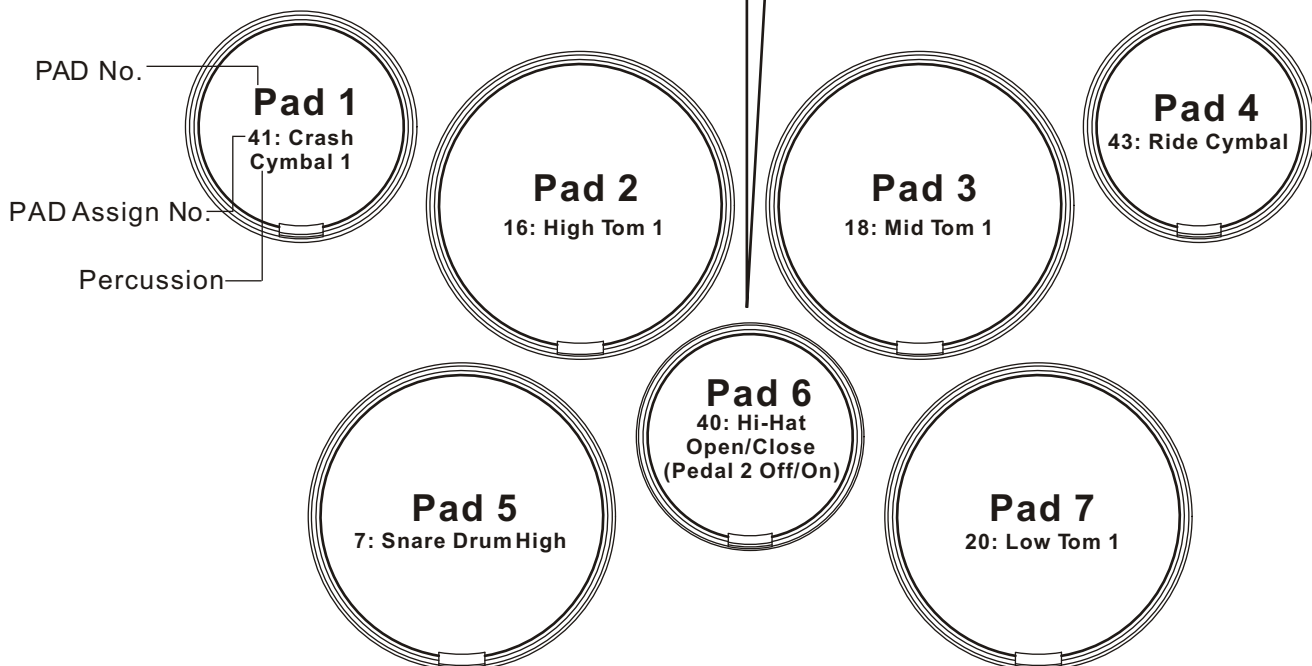
Strike the pad with the supplied drum sticks to play the drum voices. Drum Kit "001" is automatically chosen whenever the power is turned on and the [KITS] button is pressed.

Striking the pads with different forces results in relatively loud or soft sounds accordingly. Loudness of the sound may vary according to which part of the pad is struck.

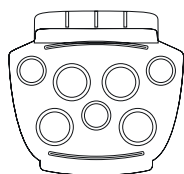
Pad Names

Present Pad number and Drum Kit

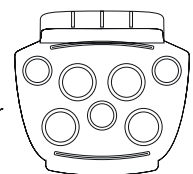
A hi-hat sound is assigned to the Pad 6 (Drum Kit 001). Striking the Pad 6 while pressing on Pedal 2 produces a closed hi-hat sound. Striking the pad without pressing the pedal produces an open hi-hat sound.



Ex. Shown, Drum Kit 001 Standard 1



Pedal 1
40: Hi-Hat Pedal



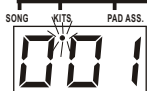
Pedal 2
1: Bass Drum Low

The bass drum voice is controlled by pressing Pedal 2. Use Pedal 1 to control the Hi-Hat. (This is in the case of Drum Kit 001).

Play the Pads/Pedals

Assigning a Drum Kit to the Pads and Pedals

The Digital Drum allows you to choose from 20 different Drum Kits plus one custom kit (1 - 20: see "Drum Kit List" on page 17) quickly and easily. 20 of the kits have preset voice combinations that will be set to the pads and pedals when the kit is selected. Select some different kits and try playing them.



1 Press the [KITS] button

Pressing the [KITS] button, the KITS's indicator will light and the current selected Drum Kit appears on the display.

Note

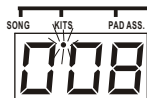
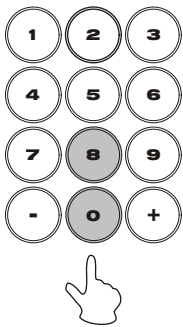
- You are unable to select the Drum Kits when you are playing the digital drum in learning mode.

2 Select a Drum Kit Number

You can select the Drum Kit by pressing the number keys, for example, when you want to select Drum Kit 08, press "0" and "8" correspondingly, "08" appear on the display,

Note

- Drum Kit number 01 is normally selected when the "KITS" is turned ON.
- You should enter two digit to select the Drum Kit.
- There are 20 Drum Kits (01-20) can be select, if you enter a number other than 01-20, the unit will not accept and the drum kit number fails to change.

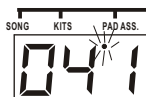
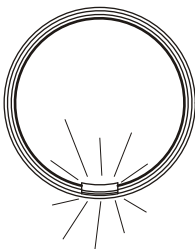


Assigning a Voice to Individual Pads and Pedals ("CU" Custom Kit)

The Digital Drum has a total of 76 high quality percussion sounds (see the "Drum Voice List" page 16) that can be assigned to each of the 7 drum pads and 2 foot pedals. Try assigning some different voices to the "CU" Custom Drum Kit.

Note

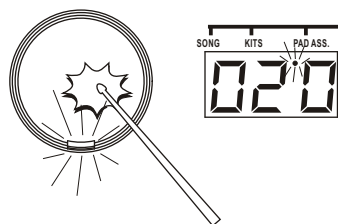
- Any change made to one of the preset drum kits will automatically be saved in the "CU" Custom Drum Kit.
- Both the Custom and "001" drum kit contents are same until modified (see the "Drum Kit List" on page 16)



1 Press the [PAD ASSIGN] button

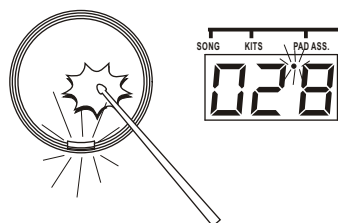
Pressing the [PAD ASSIGN] button, PAD ASSIGN indicator appear on the display and the indicator light below PAD 1 light up. PAD 1 is currently assigned.

Play the Pads/Pedals



2 Select a Pad/Pedal

Strike the Drum Pad that you want to assign once, for example, Drum Pad 7, the indicator on PAD 7 light up, the display show the current Percussion number.



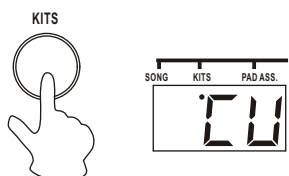
3 Select a Percussion

You can select the voice by repeatedly striking the pad, repeatedly pressing the pedal (while listening to the voice) or by pressing the number keys.

1. Strike the Drum Pad until you reach the voice that you desired.

OR

2. Enter the percussion number by pressing the number keys shown on the Drum Voice List on page 16)



4 Press the KITS Button

Press the [KITS] button, "CU" (Custom Kit) appears on the display and the DRUM KIT indicator light up instead of PAD ASSIGN indicator.

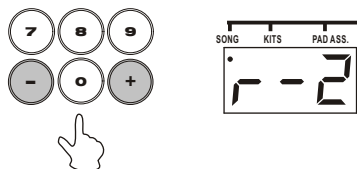
5 Play the Pads and Pedals

Now you can play your drum with the custom drum kits. Repeat steps 2-4 if you want to assign another drum pad.

Note

- Your "CU" Drum Kit will be preserve even you turn off the power. To recall the "CU" Drum Kit, press the [KITS] button to enter the "Kits" mode, then press "-" or "+" button on the numeric keypad until "CU" show on the display.

REVERB



Different depths of the Digital Drum's reverb effect can be selected to the instrument's overall sound.

The REVERB effect is turned on automatically every time you turn the power on and the default level is set to [r-2].

● Select the REVERB Depth

Press the reverb button to display the current setting, use the "-" or "+" button on the keypad to select one of the four reverb depths that appear in the display. [r-0],[r-1], [r-2], [r-3]; [r-0] means reverb off.

Select [r-3] adds the most reverb depth to the effect.

Note

- You should adjust the level of Reverb while reverb level is showing on the display.
- REVERB Depth data is not transmitted or received via MIDI.

Play the Pads/Pedals

METRONOME ON/OFF

METRONOME



The Digital Drum's METRONOME feature produces a metronome to make the tempo easier to follow and improve your timing while playing the pads.

To hear the metronome vocal sound, press the [METRONOME] button once, to hear the click sound, press the [METRONOME] button twice. To turn off, press the button again.

Press [TEMPO +] or [TEMPO -] to adjust the speed of metronome. Press the [SONG VOLUME] buttons to adjust the sound level or metronome.

Playing a SONG

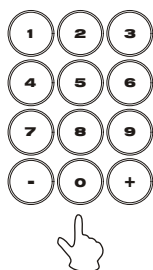
The Digital Drum features 100 (00-99) different songs that can be used to provide accompaniment (see the "Song List" on page 18). Select one of the song and have a listen.

Selecting a SONG



1 Press the [SONG] button

Press the [SONG] button, its LED indicator will light, and the currently selected song number will appear in the display.



2 Select a song

Song number will increase when the "+" button on the key pad is pressed, and "-" button for decrease. You can also select a song by inserting number using the number keys. (See the "Song List" on page 18)

Note

- Song number "00" is automatically selected whenever the power is turned on.
- You should enter a two digit number whenever you select a song.

3 Press the [START/STOP] button

START/STOP



Press the [START/STOP] button, after a count-in, the song will playback.

As the song is playing, the song's current measure will be shown in the display. Try playing the pads and pedals along the song.

To stop playback of the song, press the [START/STOP] button again.

NOTES

- You can also use the TAP START function to start songs (see page 11)

Loop



Sequence



The Digital Drum's songs consists of loop type and sequence type (see the "Song List" on page 18)

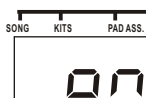
Loop type songs (00-79) will continuously play from the time the [START/STOP] button is initially pressed, until the button is pressed again.

Sequence type songs (80-99) will automatically stop when the song reaches its end.

SUPER BASS

The Super Bass option is create for making the voices deeper, and more powerful bass.

SUPER BASS



The Super Bass is turned ON at the time you turn on the Digital Drum. To turn off, press the [SUPER BASS] button. Press the [SUPER BASS] button to turn on the Super Bass again.



Playing a SONG

Adjusting the TEMPO

The song tempo can be set anywhere from 40 to 240 beats per minute. As tempo numbers increase, the tempo will become faster.



Set the Tempo

Use the [TEMPO +] and [TEMPO -] to increase and decrease tempo value correspondingly. (Tempo values ranges from 40 to 240)

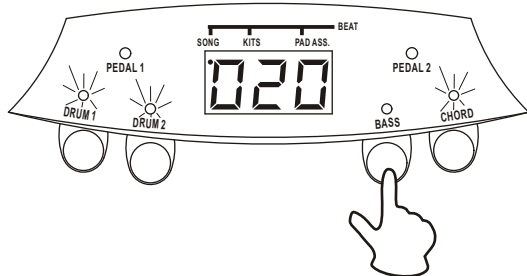
Note

- If you select another song, your preset Tempo will retain.
- Press and hold both the [TEMPO+] and [TEMPO-] buttons to return to the default tempo.

TRACK ON/OFF

The Digital Drum's song accompaniment consist of 4 tracks: DRUM 1, DRUM 2, BASS and CHORD tracks.

DRUM 1	Main Drum track
DRUM 2	Main Percussion track
BASS	Bass track
CHORD	Main Chord track



Pressing a Track button ([DRUM 1], [DRUM 2], [BASS], [CHORD]) will mute the corresponding track and its indicator lamp will turn off.

Muting DRUM 1 and DRUM 2 tracks allows you to practice your technique in Karaoke mode.

TAP START

The TAP START function allows you to set the song's overall tempo as well as start the accompaniment. The accompaniment will playback at the tempo with which the pads are struck or the pedals are pressed.



1 Press the [TAP START] button

Press the [TAP START] button, the light will turn on.

Playing a SONG



2 Tap Start

Strike any pad or press any pedal four times, the accompaniment will start at the desired tempo. When the song start playback, the TAP START indicator will turn off.

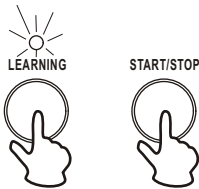


3 Stop the Song Playback

To stop playback, press the [START/STOP] button.

LEARN

The Digital Drum's Learning feature let drum beginners learn and play a song (00-99 from the song list) easily.



1 Press the [LEARNING] button and play the song

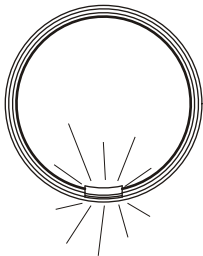
When you are on SONG mode, choose a song from the Song List, then press the [LEARNING] button, the [LEARNING] button indicator will light up.

Note When you have started LEARNING, the KITS and PAD ASSIGN button will not response.

2 Start Learning

Press the [START/STOP] button, the indicator light below the drum pad and pedal indicator on the display panel will start flashing, strike the pad or press the pedal with flashing light.

Note When you are playing the song, you can shift the Learning mode between "on" and "off" at any time by pressing the [LEARNING] button.



Recording

The Digital Drum's recording feature allows you to record and playback a song (1000 notes approximately).

- **Data that can be recorded in the recording mode.**

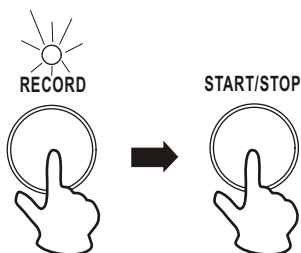
- Drum pad and pedal data.
- Song data (the number cannot be changed while in the RECORD mode).
- Track ON/OFF setting.
- Tempo setting (The tempo cannot be changed while in the RECORD mode).
- Song Volume setting
- Reverb ON/OFF setting

* MIDI data cannot be recorded to the memory.

RECORD

1 Prepare to Record

Select the desired song, drum kit, tempo, track on/off setting, and reverb settings.



2 Start Recording

- Press the [RECORD] button, the light start flashing.
- Press the [START/STOP] button, the light stop flashing and the recording process starts.
- The recording process also start once you strike on a drum pad.

Note

- When you start the recording, the vocal metronome also start to count. But the sound of the vocal will not be record. To stop the metronome, press the [METRONOME] button.

3 Stop Recording

- To stop recording, press the [START/STOP] or [RECORD] button. The record indicator will turn off.
- When the memory becomes full, "FL" will appear on the display and recording process stops automatically.

Playback

PLAY/STOP



The recorded song can be played back by pressing the [PLAY/STOP] button. To stop the playback, press [PLAY/STOP] again.

Note

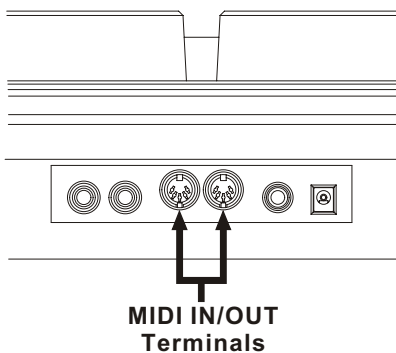
- When you record a new song, this song will replace the previous recording.
- The song recorded most recently will remain even you turn the power off.

MIDI

The MIDI IN and MIDI OUT terminals, located on the rear panel of the unit, offer broadened musical possibilities through use of MIDI. The following shows the description of MIDI and How can you use MIDI with the Digital Drum.

What is MIDI?

MIDI stand for Musical Instrument Digital Interface. MIDI is a world wide standard that makes it possible for various electronic musical instruments and other devices, such as computers, to "communicate with each other. For example, by connecting a MIDI tone generator to the Digital Drum's MIDI OUT terminal, you can play the tone generator's voices from the drum's pads and pedals.



The Digital Drum is equipped with two types of MIDI terminals, both are located on the rear panel.

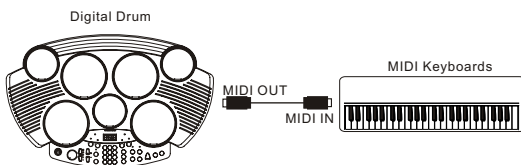
- **MIDI IN**

Data transmitted from other MIDI instruments via MIDI, is received at this terminal.

- **MIDI OUT**

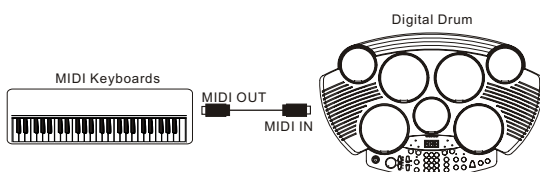
Data produced by the Digital Drum, is transmitted to other MIDI instruments via MIDI from this terminal.

What you can do with MIDI



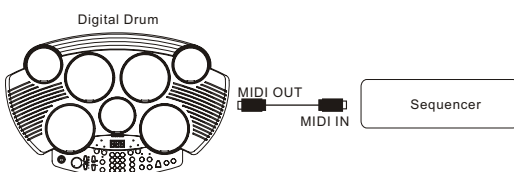
- **Connect the Digital Drum's MIDI OUT jack to a MIDI keyboard's MIDI IN terminal.**

This setup allows you to use the drum's pad to control another MIDI instrument. Playing the drum's pads will result in the other MIDI instrument's voice sounding simultaneously, creating a thicker overall sound.



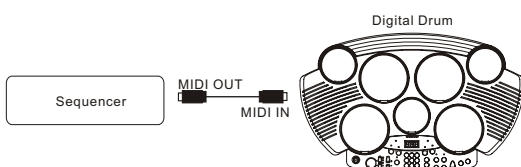
- **Connect the Digital Drum's MIDI IN jack to a MIDI keyboard's MIDI OUT terminal.**

In This setup the digital drum can be used as a tone generator and its voices can be played from a MIDI keyboard. Using a keyboard as a controller, it is possible to play the drum voices that are not assigned to the pads/pedals.



- **Connect the Digital Drum's MIDI OUT jack to a MIDI sequencer's MIDI IN terminal.**

Data produce by the Digital Drum can be recorded to a MIDI sequencer. Data can also be record recorded to computers or other sequencers as well.



- **Connect the Digital Drum's MIDI IN jack to a MIDI sequencer's MIDI OUT terminal.**

The sequencer's data can be used to drive the drum's sound.

Data

Specifications

Pads:	7 Drum Pads with Touch Sensitive
Drum Voices:	76 PCM Drum Voices
Drum Kits:	20 Preset + 1 Custom
Songs:	100
Demo Song:	1
Panel Controls:	POWER ON/OFF, MASTER VOLUME, SONG VOLUME TEMPO, START/STOP, TAP START, NUMERIC KEYS, SONG, PAD ASSIGN, KITS, LEARNING, SUPER BASS RECORD, PLAY/STOP, METRONOME, REVERB, DEMO TRACK(DRUM1/DRUM2/BASS/CHORD)
Connectors:	PEDAL 1&2 MIDI IN/OUT PHONES/OUTPUT DC 12 V (AC Adaptor)
Power Source:	Six "C" size, SUM-2, R14, or equivalent batteries DC 12V adaptor, 2200mA, centre negative type
Dimensions:	600(W) X 385(D) X 130(H) mm
Weight:	3.3 kg

Drum Voice List

Pad Assign No.	Percussion
1	Kick Drum 2
2	Kick Drum 1
3	Power Kick
4	Electronic Bass Drum
5	TR-808 Bass Drum
6	Snare Drum 1
7	Snare Drum 2
8	Gated Snare Drum
9	Electronic Snare Drum Low
10	Electronic Snare Drum High
11	TR-808 Snare Drum
12	Brush Tap
13	Brush Swirl
14	Side Stick
15	Sticks
16	High Tom
17	High Mid Tom
18	Low Mid Tom
19	Low Tom
20	High Floor Tom
21	Low Floor Tom
22	Rock High Tom 1
23	Rock High Tom 2
24	Rock Mid Tom 1
25	Rock Mid Tom 2
26	Rock Low Tom 1
27	Rock Low Tom 2
28	Electronic High Tom 1
29	Electronic High Tom 2
30	Electronic Mid Tom 1
31	Electronic Mid Tom 2
32	Electronic Low Tom 1
33	Electronic Low Tom 2
34	TR-808 High Tom 1
35	TR-808 High Tom 2
36	TR-808 Mid Tom 1
37	TR-808 Mid Tom 2

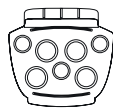
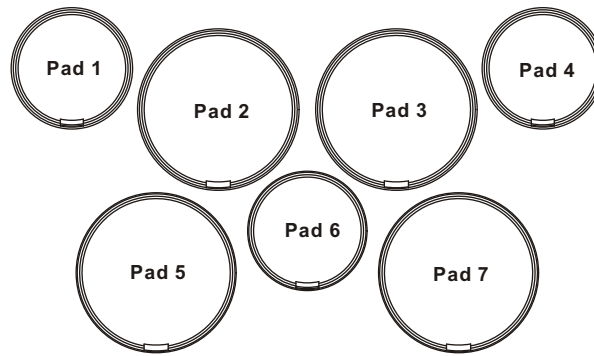
38	TR-808 Low Tom 1
39	TR-808 Low Tom 2
40	*Hi-Hat Open/Closed
41	Crash Cymbal 1
42	Crash Cymbal 2
43	Ride Cymbal
44	Ride Bell
45	Chinese Cymbal
46	Splash Cymbal
47	Vibra-slap
48	Hand Clap
49	Tambourine
50	Cowbell
51	TR-808 Cowbell
52	Mute High Conga
53	Open High Conga
54	Low Conga
55	High Bongo
56	Low Bongo
57	High Timbale
58	Low Timbale
59	High Agogo
60	Low Agogo
61	Cabasa
62	Shaker
63	Claves
64	Mute Triangle
65	Open Triangle
66	Short Guiro
67	Long Guiro
68	Mute Cuica
69	Open Cuica
70	Mute Surdo
71	Open Surdo
72	Maracas
73	High-Q
74	Slap
75	Scratch Pull
76	Scratch Push

* By assigning Closed and Open Hi-Hat voices to both the Pad and Pedal, those voices can be controlled with the foot pedal as follows:

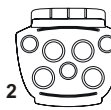
- Strike the pad while pressing the Foot Pedal, the "Closed" Hi-Hat voice will sound.
- Strike the pad without pressing the Foot Pedal, the "Open" Hi-Hat voice will sound.
- Press the Foot Pedal without striking the pad, the Hi-Hat "Pedal" voice will sound.

Data

Drum Kit List



Pedal 1



Pedal 2

No	Kit Name	Pad1	Pad2	Pad3	Pad4				
001	Standard 1	41	Crash Cymbal 1	16	High Tom 1	18	Mid Tom 1	43	Ride Cymbal
002	Standard 2	40	HH Open/Closed	17	High Tom 2	19	Mid Tom 2	41	Crash Cymbal 1
003	Standard 3	41	Crash Cymbal 1	16	High Tom 1	18	Mid Tom 1	50	Cowbell
004	Standard 4	40	HH Open/Close	16	High Tom 1	18	Mid Tom 1	41	Crash Cymbal 1
005	Standard 5	41	Crash Cymbal 1	17	High Tom 2	19	Mid Tom 2	50	Cowbell
006	Standard 6	46	Splash Cymbal	17	High Tom 2	19	Mid Tom 2	49	Tambourine
007	Standard 7	40	HH Open/Close	16	High Tom 1	18	Mid Tom 1	43	Ride Cymbal
008	Standard 8	40	HH Open/Close	14	Side Stick	18	Mid Tom 1	44	Ride Bell
009	Rock	41	Crash Cymbal 1	22	Rock High Tom 1	24	Rock Mid Tom 1	49	Tambourine
010	Heavy Metal	41	Crash Cymbal 1	23	Rock High Tom 2	25	Rock Mid Tom 2	50	Cowbell
011	Dance 1	40	HH Open/Close	28	Electronic High Tom 1	30	Electronic Mid Tom 1	46	Splash Cymbal
012	Dance 2	45	Chinese Cymbal	29	Electronic High Tom 2	31	Electronic Mid Tom 2	73	High-Q
013	Samba Perc.	68	Mute Cuica	59	High Agogo	60	Low Agogo	69	Open Cuica
014	Timbales	41	Crash Cymbal 1	46	Splash Cymbal	72	Maracas	7	Snare Drum High
015	Conga	55	High Bongo	52	Mute High Conga	53	Open High Conga	56	Low Bongo
016	TR-808	42	Crash Cymbal 2	34	TR-808 High Tom 1	36	TR-808 Mid Tom 1	51	808 Cowbell
017	Brush	43	Ride Cymbal	17	High Tom 2	19	Mid Tom 2	41	Crash Cymbal 1
018	Jazz	40	HH Open/Close	16	High Tom 1	18	Mid Tom 1	43	Ride Cymbal
019	Ballad Perc.	62	Shaker	63	Claves	49	Tambourine	61	Cabasa
020	Cymbal	40	HH Open/Close	41	Crash Cymbal 1	43	Ride Cymbal	44	Ride Bell

	Pad5	Pad6	Pad7	Pedal 1	Pedal 2				
7	Snare Drum High	40	HH Open/Close	20	Low Tom 1	40	HH Pedal	1	Bass Drum Low
6	Snare Drum Low	50	Cowbell	21	Low Tom 2	40	HH Pedal	1	Bass Drum Low
7	Snare Drum High	40	HH Open/Close	20	Low Tom 1	40	HH Pedal	2	Bass Drum High
7	Snare Drum High	14	Side Stick	20	Low Tom 1	40	HH Pedal	1	Bass Drum Low
7	Snare Drum High	40	HH Open/Close	21	Low Tom 2	40	HH Pedal	1	Bass Drum Low
7	Snare Drum High	40	HH Open/Close	21	Low Tom 2	40	HH Pedal	1	Bass Drum Low
6	Snare Drum Low	41	Crash Cymbal 1	20	Low Tom 1	40	HH Pedal	1	Bass Drum Low
6	Snare Drum Low	41	Crash Cymbal 1	20	Low Tom 1	40	HH Pedal	1	Bass Drum Low
7	Snare Drum High	40	HH Open/Close	26	Rock Low Tom 1	40	HH Pedal	2	Bass Drum High
8	Gated Snare Drum	40	HH Open/Close	27	Rock Low Tom 2	40	HH Pedal	3	MONDO Bass Drum
10	Electronic Snare Drum High	48	Hand Clap	32	Electronic Low Tom 1	40	HH Pedal	4	Electronic Bass Drum
9	Electronic Snare Drum Low	40	HH Open/Close	33	Electronic Low Tom 2	40	HH Pedal	4	Electronic Bass Drum
70	Mute Surdo	61	Cabasa	71	Open Surdo	49	Tambourine	50	Cowbell
58	Low Timbale	50	Cowbell	57	High Timbale	63	Claves	1	Bass Drum Low
7	Snare Drum High	58	Low Timbale	54	Low Conga	50	Cowbell	1	Bass Drum Low
11	808 Snare Drum	40	HH Open/Close	38	TR-808 Low Tom 1	40	HH Pedal	5	TR-808 Bass Drum
12	Brush Tap	40	HH Open/Close	14	Side Stick	40	HH Pedal	1	Bass Drum Low
13	Brush Swirl	62	Shaker	20	Low Tom 1	40	HH Pedal	1	Bass Drum Low
64	Mute Triangle	46	Splash Cymbal	65	Open Triangle	74	Slap	50	Cowbell
7	Snare Drum High	46	Splash Cymbal	45	Chinese Cymbal	40	HH Pedal	1	Bass Drum Low

Song List

No	Song Name
8 Beat	
00	8 Beat 1
01	8 Beat 2
02	8 Beat 3
03	8 Beat 4
04	8 Beat 5
05	8 Beat Ballad 1
06	8 Beat Ballad 2
07	8 Beat Ballad 3
08	Soft Rock
09	Rock 1
10	Rock 2
11	Rock 3
12	Rock 4
13	Rock 5
14	Hard Rock 1
15	Hard Rock 2
16 Beat	
16	16 Beat 1
17	16 Beat 2
18	16 Beat 3
19	16 Beat 4
20	16 Beat 5
21	16 Beat 6
22	16 Beat 7
23	16 Beat Ballad 1
24	16 Beat Ballad 2
25	16 Beat Ballad 3
26	16 Beat Ballad 4
27	16 Beat Ballad 5
28	16 Beat Funk 1
29	16 Beat Funk 2
Dance	
30	Dance 1
31	Dance 2
32	Dance 3
33	Dance 4
34	Dance 5
35	Dance 6
Rap	
36	Rap 1
37	Rap 2
38	Rap 3
Bounce	
39	Bounce 1
40	Bounce 2
41	Bounce 3
Shuffle	
42	Shuffle 1
43	Shuffle 2
44	Shuffle 3
45	Shuffle 4
46	Shuffle 5
47	Shuffle 6
48	Shuffle 7
Slow Rock	
49	Slow Rock 1
50	Slow Rock 2

51	Slow Rock 3
52	Slow Rock 4
Latin	
53	Reggae 1
54	Reggae 2
55	Bossa Nova 1
56	Bossa Nova 2
57	Samba
58	Salsa
59	Latin Rock
60	Cha-Cha
61	Mambo
62	Rhumba 1
63	Rhumba 2
64	Afro Cuban
65	Tango
Swing	
66	Swing 1
67	Swing 2
68	Swing 3
Others	
69	Waltz
70	3/4 Ballad
71	Swing Blues
72	Blues
73	March 1
74	March 2
75	R&B
76	Hip-Hop
77	Funk
78	Country
79	Big Band
8 Beat	
80	8 Beat 1
81	8 Beat 2
82	Ballad
83	Hard Rock 1
84	Hard Rock 2
85	Hard Rock 3
86	Pop Dance 1
87	Pop Dance 2
88	R&B
16 Beat	
89	16 Beat
90	Fusion
Funk	
91	Funk 1
92	Funk 2
Shuffle	
93	Shuffle 1
94	Shuffle 2
95	16 Beat Shuffle
96	16 Beat Triplet
Others	
97	Reggae
98	Bossa Nova
99	Big Band

Song Number 00-79: Loop Type (Short)
 Song Number 80-99: Sequence Type (Long)

MIDI Implementation Chart

Function		Transmitted	Recognized	Remarks
Basic	Default Changed	10 ×	1-16 ×	
Mode	Default Message Alerted	×	3	
		×	3	
		*****	×	
Note Number:	True voice	1-76 *****	0-127 0-127	
Velocity:	Note on	○	○	
	Note off	×	×	
After Touch	Key's Ch's	×	×	
		×	×	
Pitch Bend		×	○	
Control	0	○	○	Bank select
	1	×	○	Modulation
	7	×	○	Volume
	10	×	○	Pan
	11	×	○	Expression
	64	×	○	Sustain Pedal
	66	×	○	Sostenuto Pedal
	67	×	○	Soft Pedal
	80	×	○	Reverb Program
	81	×	○	Chorus Program
	91	×	○	Reverb level
	93	×	○	Chorus level
	120	×	○	ALL SOUND OFF
	121	×	○	Reset all controllers
	123	×	○	All notes off
Program Changed :	true	○ *****	○ 0-127	
System Exclusive		×	×	
System	: Song Position	×	×	
	: Song Select	×	×	
Common	: Tune	×	×	
System	: Clock	×	×	
Real Time	: Commands	×	×	
Aux	: LOCAL ON/OFF	×	×	
	: All Notes Off	×	○	
Message	: Active sense	×	○	
	: Reset	×	○	

Mode 1: OMNI ON, POLY
Mode 3: OMNI OFF, POLY

Mode 2: OMNI ON, MONO
Mode 4: OMNI OFF, MONO

○ : YES
× : NO