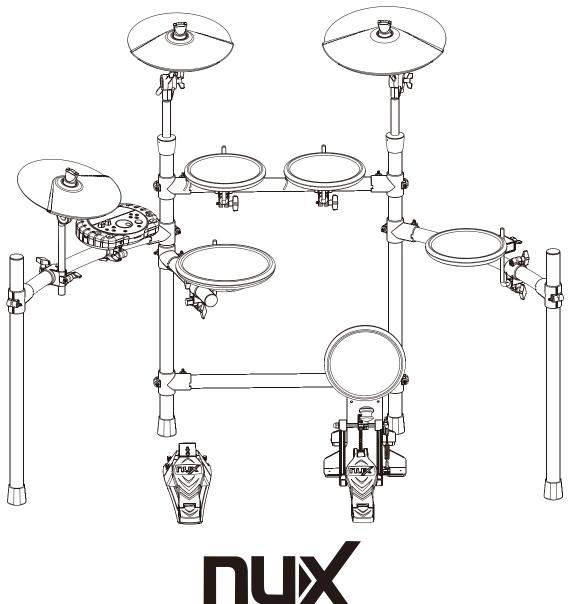
# User Manual

# **Nux Drum System** DIGITAL DRUM KIT **DM-3**





Cherub Technology Co.,Ltd www.nuxefx.com

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## **USING THE UNIT SAFELY**

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

#### About **MARNING** and **CAUTION** Notices

#### About the Symbol

#### **↑** WARNING

Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used Improperly.

### **⚠** CAUTION

Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly.

\* 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.

#### ALWAYS OBSERVE THE FOLLOWING

#### **MARNING**

- Before using this unit, make sure to read the instructions below and the Ownerds Manual.
- Do not open (or modify in any way) the unit or its AC adaptor.
- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so).
   Refer all servicing to your retailer, the nearest Cherub Service Center.

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 Never use or store the unit in places that are: 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 Humid:

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Exposed to rain;

Dusty;

Subject to high levels of vibration.

- This unit may be installed on a stand using a Clamp.
- When installing the unit on a stand with a clamp, the stand must not be placed in an unstable location or on an incline, but in a level and stable position. Even if a stand is not used, make sure that the unit is placed in a stable location.

#### **MARNING**

- Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptors body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.
- Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock Hazards!
- This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an Audiologist.
- Do not allow any objects (e.g., flammable material,coins, pins); or liquids of any kind (water, soft drinks,etc.) to penetrate the unit.

#### **↑** WARNING

 Immediately turn the power off, remove the AC adaptor from the outlet, and request servicing by your retailer, the nearest Cherub Service Center.

The AC adaptor or the power-supply cord has been damaged; or

If smoke or an unusual odor occurs
Objects have fallen into or liquid has bee

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.

- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.
- Protect the unit from strong impact. (Do not drop it!)
- Do not force the units power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cordsthe total power used by all devices you have connected to the extension cords outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.

 Before using the unit in a foreign country, consult with your retailer, the nearest Cherub Service Center.

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#### **⚠** CAUTION

- The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation.
- Always grasp only the output plug or the body of the AC adaptor when plugging into, or unplugging from, this unit or an outlet.
- Any accumulation of dust between the AC adaptor and the power outlet can result in poor insulation and lead to fire. Periodically wipe away such dust with a dry cloth. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time.
- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.
- Never climb on top of, nor place heavy objects on the unit.
- Never handle the AC adaptor body, or its output plugs, with wet hands when plugging into, or unplugging from, an outlet or this unit.
- If you need to move the instrument, take note of the precautions listed below. Make sure to have a firm grip, to protect yourself from injury and the instrument from damage.

Check to make sure that the clamp that fixes the unit to the stand has not become loose. Fasten them again securely whenever you notice any loosening.

Disconnect the power cord.

Disconnect all cords coming from external devices.

- Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet.
- Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet.
- Should you remove security screws, make sure to put them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally.

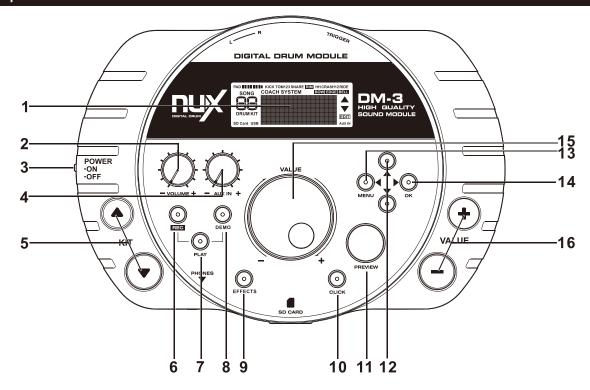
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## Panel and Interface

## Top Panel



#### 1.LCD Display

This shows the drum kit name, song's name and other information. During editing, this shows the contents of the settings.

#### 2.VOLUME Knob

Adjusts the volume of the OUTPUT and PHONES jacks.

#### 3. Power Switch

Turns the power on/off

#### 4.AUX IN Knob

For connecting and external audio source such as MP3 or CD players. All sound input here is also sent from the OUTPUT and PHONES jacks.

#### 5.KIT ▲ and ▼ Buttons

Use these buttons to switch drum kits.

#### **6.REC Button**

Use this to record your play.

#### 7.PLAY Button

Play back what you recorded.

#### 8.DEMO Button

Selecting the demo songs.

#### 9.DRUM OFF Button

Cancel the Drum part from demo song.

#### 10.CLICK Button

Turns the metronome ON/OFF.

#### 11.PREVIEW Button

This velocity sensitive button allows you to try an instrument after you have chosen it under the condition without a pad trigger.

#### 12. ▲ and ▼ Buttons

Use this to select a menu item or parameters when making various settings for the DM-3.

#### 13.MENU Button

Use this when you want to make various settings for the DM-3, such as editing the settings of a drum kit or adjusting the pads.

#### 14.OK Button

Use this to confirm a value you've edited.

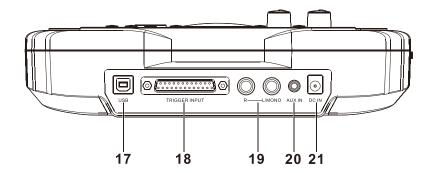
#### 15.VALUE Knob

Use this dial to edit a value. Turning the dial clockwise will increase the value, and turning it counter clockwise will decrease the value.

#### 16.VALUE Buttons

Adjust the parameter value.

## **Front Panel**



#### 17.USB Port

Connecting the USB cable and connects the computer to the DM-3 for USB MIDI.

#### **18.TIRGGER IN Connector**

Connecting the special cable connects the pads and pedals to the DM-3.

#### 19.OUTPUT Jack (L/MONO, R)

All sounds of the DM-3 are output here. Use for connecting to an amp or other external audio equipment.

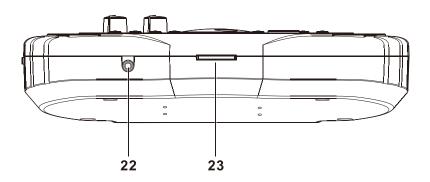
#### 20.AUX IN Jack

For connecting an external audio source such as MP3 or CD players. All sound input here is also sent from the OUTPUT and PHONES jacks.

#### 21.DC IN Jack

Connect the included AC adaptor here.

## Rear Panel



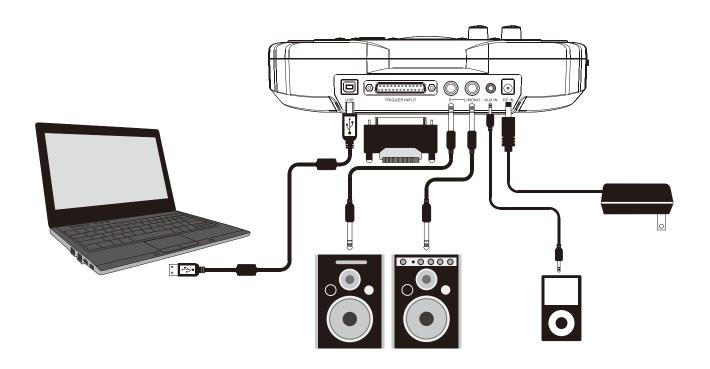
#### 22.PHONES Jack

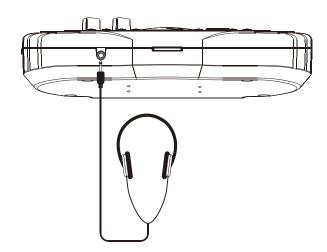
For connecting stereo headphones.

#### 23.SD Card Slot

For MIDI song playing through SD card.

# Connection

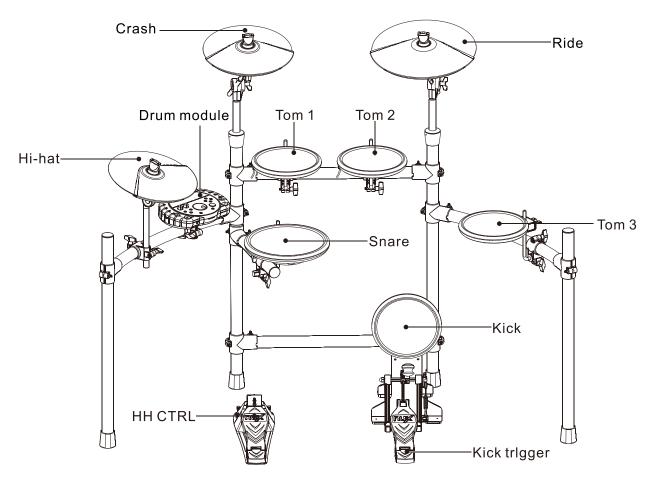




## **NOTE:**

To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making connections.

## Mounting the DM-3 on the Stand



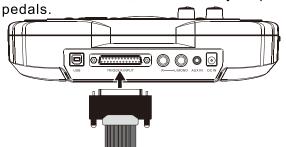
1. Attach the included sound module mounting plate to the DM-3.

Use included wing bolts to attach the plate as shown in the illustration.

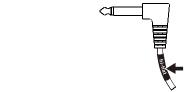


2. Attach the DM-3 (with the sound module mounting plate installed) to your drum stand.

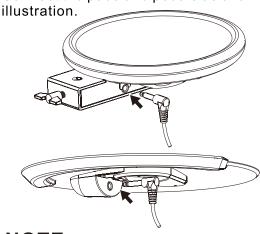
3.Connect the included cable to the DM-3's TRIGGER IN connector, and connect your pads and pedals.



Labels indicating the pad to be connected are attached to the cable.



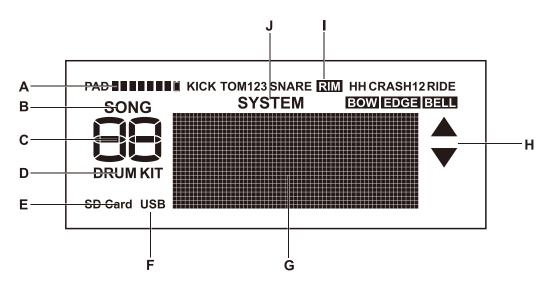
Connect the pads and pedals as shown in the illustration



## NOTE:

To protect device, when connect to device, please power off.

## **About DM-3 Screen**



- **A**.Strength of the pad strike displayed in 8 levels.
- **B**.SONG indicator
- C.Drum kit number or DEMO number
- **D**.Drum kit indicator
- E.SD card indicator
- F.USB connection indicator

- F.USB connection indicator
- G.Dot matrix area
- H. ▲ and ▼ indicator
- I.Pad name display
- J.SYSTEM setting indicator

## **Turning the Power ON/OFF**

### \*Turn on the power

- 1. Turn the VOLUME and AUX IN knob all the way to the left.
- 2.Close the volume of the connected amp or audio system.
- 3. Turn the power switch to ON.





- \*You may still hear some sound when the power is switched on, this is normal, and does not indicate a malfunction.
- After power on, LCD will display drum kit number and name.



**NOTE:** Preset indicate preset Drum Kit; User indicate user Drum kit

- 4. Power on the connected amp or audio system.
- 5. While hitting a pad, gradually turn the VOLUME and AUX IN knob toward the right to adjust the volume.

## \*Turn off the power

- 1. Turn the volume down on the DM-3 and any connected equipment.
- 2. Power-off the connected equipment.
- 3. Turn the power switch to OFF.

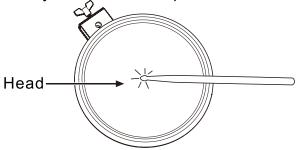


## **Performance Techniques**

#### \*Snare

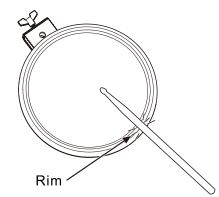
#### **Head Shot**

Hit only the head of the pad.



#### **Open Rim Shot**

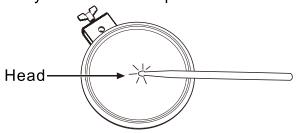
Strike the rim of the pad.



### \*Tom

#### **Head Shot**

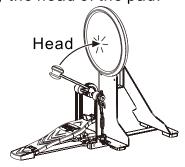
Hit only the head of the pad.



#### \*Kick

#### **Head Shot**

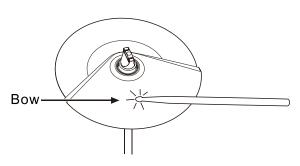
Hit only the head of the pad.



## \*Cymbals (Crash Ride)

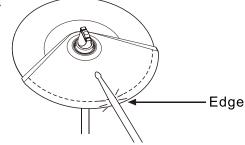
#### **Bow Shot**

Playing the middle area of the cymbal.



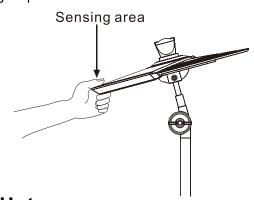
### **Edge Shot**

When striking the edge with the shoulder of the stick.



### **Choking a Cymbal**

Choking the cymbal's edge with the hand immediately after hitting the cymbal will mute or choke the sound, just like with a real cymbal. The Choke function only works when you grasp in the area.



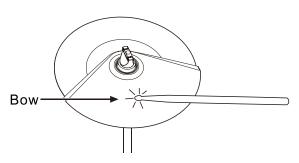
### \*Hi-Hat

### Open/Closed

The hi-hat sound will change smoothly between open and closed depending on pressure applied to the hi-hat control pedal. Foot closed and foot splash sounds are possible.

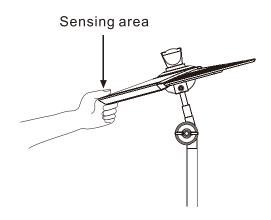
#### **Bow Shot**

Playing the middle area of the hi-hat pad.

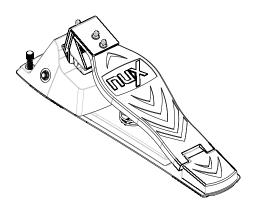


### **Choking a Cymbal**

Choking the cymbal's edge with the hand immediately after hitting the cymbal will mute or choke the sound, just like with a real cymbal. The choke function only works when you grasp in the area.



### \*Hi-Hat Control Pedal



### **Open Hi-Hat**

Strike the hi-hat without pressing the pedal.

#### **Closed Hi-Hat**

Strike the hi-hat with the pedal pressed.

## **Using Drum Kit Functions**

## Selecting a Drum Kit

When you turn on the DM-3 you are in drum kit mode. A drum kit is a combination of the sounds and settings for each pad and pedal, as well as ambience.



1. Press the KIT ▲ and ▼ buttons to select drum kit.



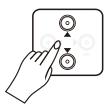
2.Press the KIT ▲ and ▼ buttons under any mode, you are in DRUM KIT mode.

## Setting the Drum Kit

- 1.Use the KIT▲and ▼ buttons to select the drum kit that you want to edit.
- 2. Press the MENU button so it's lit.



3.Use the ▲ and ▼ buttons to select the desired menu.



4. Turn the VALUE dial to select the pad whose settings you want to edit. (You also can select the pad through striking the pad you want to edit)



5. When you've selected the desired menu, press the OK button.
Example: PAD SET MENU



6. When you've finished making settings, press the MENU button to turn off its illumination; you'll return to the DRUM KIT screen.

## **Pad Settings**

1.In the menu screen, choose "PAD SET" and press the OK button.

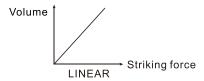


- 2.Use the ▲ and ▼ buttons to select a parameter.
- 3. Strike a pad to select the pad whose settings you want to edit.
- 4. Use the VALUE dial to edit the setting.
- 5. Press the OK button to return to the "MENU" screen.

Screen Display	Parameter	Value	Description
PAD SET PAD SET PTONE SNARE 2	TONE	SNARE1-SNARE33	Selecting instrument type
PAD SET PAD SET VOLUME 100	VOLUME	0-127	Specifies the instrument volume
PAD SET DELINE CENTER	PAN	L64-CENTER-R63	Specifies Instrument pan position
PAD U SNARE  O PAD SET  CURVE  LINEAR	CURVE	LINEAR LOG EXP LOUD	Relation between playing velocity and changes in volume.

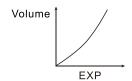
#### LINEAR

The standard setting. This produces the most natural correspondence between playing dynamics and volume change.



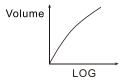
#### **EXP**

Compared to LINEAR, strong dynamics produce a greater change.



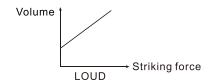
#### LOG

Compared to LINEAR, a soft playing produces a greater change.



#### LOUD

Very little dynamic response, making it easy to maintain strong volume levels. If using drum triggers, these settings help maintain stable levels.



Screen Display	Parameter	Value	Description
PAD SET PAD SET PAD SET	MIDI NOTE	0-127	Specifies the MIDI note numbers transmitted by the pads.

## Setting Effects in a Drum Kit

1. In the menu scree, choose "EFX SET" and press the OK button.



- 2.Use the ▲ and ▼ buttons to select a parameter.
- 3. Use the VALUE dial to edit the setting.
- 4. Press the OK button to return to the "MENU" screen.

Screen Display	Parameter	Value	Description
O 1 EFX SET DRUMKIT ► ROOM	REVERB STYLE	ROOM HALL EARLY CHAMBER	Selecting reverb type
PAD SNARE  O SET SET  DRUMKIT ► REV LEVLE ▼  38	REVERB LEVEL	OFF/1-99	Adjust reverb level
SMARE  SMARE  SMARE  STYLE   ROTOR	CHORUS STYLE	ROTOR WIDE ST WIDE SPACE	Selecting chorus type
PAD SNARE  OF SET	CHORUS LEVEL	OFF/1-99	Adjust chorus level
SNARE  SEFX SET  DRUMKIT PLIMITER  OFF	LIMITER	ON/OFF	turn ON/OFF limiter
PAD SNARE  OF SET   DRUMKIT HIGH EQ.   Odb	HIGH EQ	-12db—+12db	Adjust the high frequency
PAD SMARE  OF LEFX SET  DRUMKIT MID EQ  OGB	MID EQ	-12db—+12db	Adjust the middle frequency
D (EFX SET DRUMKIT MEASS EQ # 0 db	BASS EQ	-12db—+12db	Adjust the bass freqency

## Naming a Drum Kit

1.In the menu screen, choose "3-KIT NAME" and press the OK button.



- 2.Press the ▲ and ▼ button to move the cursor to the character that you want to edit.
- 3.Use the VALUE dial to change the character.



4. Press the OK button to return to the "MENU" screen.

## Saving a Drum Kit

1.In the menu screen, choose "4-KIT SAVE" and press the OK button.



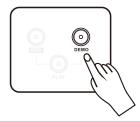
2. Use the VALUE dial to choose the drum kit number.



- 3. Press the OK button to execute the save operation.
- 4. When operation is completed, you'll be returned to the drum kit screen automatically.

## **DEMO Playing**

1.In the drum kit mode, press SONG button to enter into the DEMO mode.





NOTE: Preset indicate DEMO in the device User indicate user record. SD indicate DEMO in SD card

- 2. Use the VALUE dial to choose the demo song you want to playback.
- 3. Press the PLAY button to playback the song.
- 4. You can turn off the drum part of the demo song by pressing the DRUM OFF button.

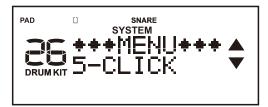
**NOTE:** Each demo song has their own tempo.

## PLAYING WITH THE METRONOME

Press the CLICK button. The metronome starts and the screen will indicate the tempo.



1.In the menu screen, choose "5-CLICK" and press the OK button.



- 2.Press the ▲ and ▼ button to select a parameter.
- 3. Use the VALUE dial to adjust the parameter value.



4. Press the OK button to return the MENU.

Screen Display	Parameter	Value	Description
PAD SYSTEM SYSTEM PORUM KIT F TEMPO 185	TEMPO	40-220	Specifies the tempo of the metronome.
PAD SYSTEM SYSTEM DRUMKIT Beat 4	BEAT	1-9	Specifies the time signature of the metronome.
PAD SNARE SYSTEM  CLICK DRUMKIT F Rhythm	RHYTHM	בבני בנו בו' ו	Specifies the note value that will be sounded by the metronome.
BAD CLICK SYSTEM DRUMKIT FUGURE 100	VOLUME	0-127	Specifies the volume of the metronome.
PAD SOUNCE SYSTEM  CLICK A  DRUMKIT P SOUND 1	SOUND	Click、Cowbell	Specifies the sound of the metronome.

**NOTE:** The parameter will be saved automatically when exiting this mode.

## RECORDING AND PLAYBACK

Please first select the drum kit that you want to use for recording.





- 1.Press the REC button, and the DM-3 will enter recording-standby mode.
- 2. Hit any pad/pedal and recording begins.



#### NOTE:

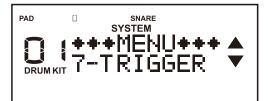
- 1.when recording, if no drum signal input more than 4s, then record completed and display COMPLETE!
- 2.when recording, if memory is full, then record completed and display MEMFULL!

- 3. To stop recording, press the REC button again. If you exceed the maximum recording time, recording stops automatically.
- 4. Press the PLAY button to PLAYBACK you recorded.
- 5.Press SONG button to turn on the DEMO playback, so you can record your play with backing track. (when SONG is lit)

## SYSTEM SETTINGS

## Editing the pad settings

1.In the menu screen, choose "7-TRIGGER" and press the OK button.

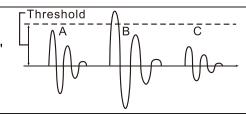


- 1.Use the VALUE dial or striking the pad to choose the pad you want to edit.
- 2.Press the ▲ and ▼ button to select a parameter.
- 3.Use the VALUE dial to change the parameter value.
- 4. Press the OK button to return the MENU.

Screen Display	Parameter	Value	Description
TRIGGER ORUMKHT ► Sensitive ▼ 1.0	SENSITIVE	0.1-3.2	You can adjust the sensitivity of the pads to accommodate your personal playing style. Higher sensitivity allows the pad to produce a loud volume even when played softly. Lower sensitivity will keep the pad producing a low volume even when played forcefully.
TRIGGER DRUMKIT FThresh	THRESHOLD	0-16	This setting allows a trigger signal to be received only when the pad is above a determined dynamic level(velocity). This can be used to prevent a pad from sounding because of vibrations from other pads.

Example: B will sound but A and C will not sound. When set to a higher value, no sound is produced when the pad is struck lightly. Gradually raise the "Threshold" value while striking to pad.

Check this and adjust accordingly. Repeat this process until you get the perfect setting for your playing style.



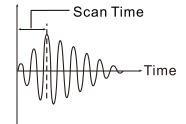


Scan Time 2ms-12ms

Specifies the detection time for the trigger signal. Since the rise time of the trigger signal waveform may differ slightly depending on the characteristics of each pad or acoustic drum trigger(drum pickup), you may notice that identical hits(velocity) may produce sound at different volumes. If this occurs, you can adjust the "Scan Time" so that your way of playing can be detected more precisely.

While repeatedly hitting the pad at a constant force, gradually raise the Scan Time value from 2 ms, until the resulting volume stabilizes at the loudest level. At this setting, try both soft and loud strikes, and make sure that the volume changes appropriately.

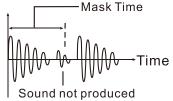
As the value is set higher, the time it takes for the sound to be played increases. Set this to the lowest value possible.

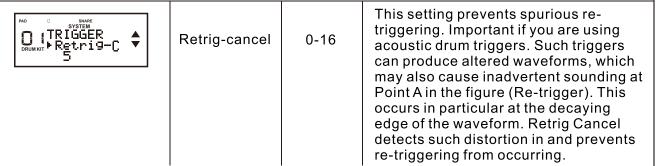


TRIGGER → Mask Time 4ms-64ms	This setting prevents double triggering. When playing a kick trigger, the beater can bounce back and hit the head a second time immediately after the intended note—with acoustic drums sometimes the beater stays against the head-is causes a single hit to"double trigger"). The Mask Time setting helps to prevent this. Once a pad has been hit, any additional trigger signals occurring within the specified 4-64 msec) will be ignored. Adjust the "Mask Time" value while playing the pad.
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When using a kick trigger, try to let the beater bounce back and hit the head very quickly, then raise the "Mask Time" value until there are no more sounds made by the beater rebound.

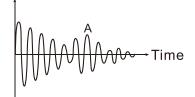
\* When set to a high value, it will be difficult to play very quickly. Set this to as low a value as you can.





While repeatedly striking the pad, raise the Retrig Cancel value until re-triggering no longer occurs.

\* Although setting this to a high value prevents retriggering, it then becomes easy for sounds to be omitted when the drums played fast (roll etc.). Set this to the lowest value possible while still ensuring that there is no retriggering.

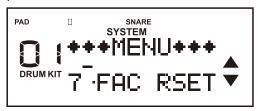


TRIGGER  ORUMKIT * X - Talk  SYSTEM  ORUMKIT * X - Talk  SOL	X-Talk cancel	0-80%	This setting cancels crosstalk which means that when you play one pad you hear a sound coming from another pad. This can happen when two pads are installed on the same stand. In some cases you can prevent crosstalk by increasing the distance between the two mounted pads.
TRIGGER A DRUMKIT PRIM Gain 1.0	Rim Gain	0.1-3.2	You can adjust the relation between your playing velocity (force) on the rim/edge and the resulting volume level. Higher value allows the rim/edge to produce a loud volume even when played softly. Lower value will keep the rim/edge producing a low volume even when played forcefully.

**NOTE:** The parameter will be saved automatically when exiting this mode.

## **Restoring the Factory Settings**

1. In the MENU choose "8-FAC RSET" and press the OK button.



- 2. Press ▲ and ▼ to choose the options you want to restore:
  - a.Restoring the system data such as trigger, song, click etc.



b.Restoring all data of drum kit.



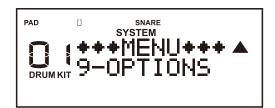
c.Restoring all data about machine.



3. Press the OK button to return the MENU.

## Other Settings (Adjusting the Brightness and others)

1. In the MENU choose "9-OPTIONS" and press the OK button.



- 2.Press ▲ and ▼ to choose the options you want to edit.
- 3.Use the VALUE dial to change the parameter value.

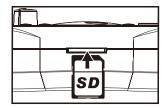
Screen Display	Parameter	Value	Description
OPTIONS DRUMKIT * LCD Contr V	LCD Contrast	1-10	Adjust the LCD Contrast.
OPTIONS ORUMKIT PLCD Brigh	LCD brightness	1-10	Adjust the LCD brightness.
OPTIONS A DRUMKIT • Edition V1. 0	Edition	V1.0	Show firmware edition of the machine.

## Import wav File from Computer

1.In the MENU choose "USER SET" and press the OK button.



2.Put the SD card into the slot of the DM-3. you can load your own sound library from SD card. Download software from our website to make your own sound library.



3. Press OK button again to import sound library.



- 4.Don't take out the SD card when you are importing sound library from SD card.
- 5.it will be return to the DRUM KIT mod when importing is finished.



#### Display information are following:

OK! import sound library finished (after finished, DM-3 will be restarted automatically).

NO SD! no SD card.

NO FILE! no File on the SD card.

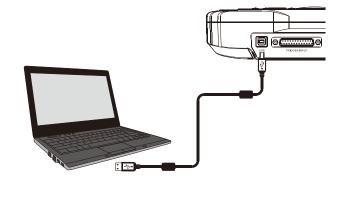
FAIL! import sound library failed.

ERROR0-ERROR-5! there are some error when importing sound library.

## Show firmware edition of the machine

The DM-3 is equipped with a USB connector. When connected to your computer, the USB ICON will be lit on the LCD and start to transmit the MIDI IN/OUT.





**NOTE:** Before you connect the USB to computer, please close all software about USB-MIDI.

## **SPECIFICATIONS**

Maximum Polyphony: 64 voices Display: Custom (backlit LCD)

Instruments: 361

Drum Kits: 40 (User: 20, Factory: 20)

Songs: 20 (MIDI:Only percussion track supported)

Recording: 10

Click Sound: Editable (Sound, Tempo, Rhythm Type, Beat, Volume)

MIDI Functions: USB MIDI

Capacity: SD card (MIDI Playing, MIDI Format 0/Format 1 Supported)

Triggers: Three Tom2, Snare, Hi-Hat, One Crash, Ride, Bass Interfaces: Headphones, USB MIDI, SD card, AUX IN, OUTPUTS

Power Supply: AC Adaptor (DC 9V) (⊕→⊕)

# **MIDI Implementation Chart**

Function		Transmitted	Recognized	Remarked
1 411041011				rtomartou
Basic default		10	10	
Channel change	ed	No	No	
Note		0-127	0-127	
Velocity:	Note on	Yes	Yes	
velocity:	Note off	No	Yes	
After Key's		No	No	
Touch Channel'	s	No	No	
	0	No	No	Bank select
	1	No	No	Modulation
	5	No	No	Portamento time
	7	No	No	Volume
	10	No	No	Pan
Control change:	11	No	No	Expression
	64	No	No	Sustain pedal
	65	No	No	Portamento on/off
	66	No	No	Sostenuto pedal
	67	No	No	Soft pedal
	120	No	No	All sound off
	121	No	No	Reset all controllers
	123	No	No	All note off
Program change	)	No	No	
System exclusiv	'e	No	No	

SNARE				
No.	Name	LCD		
1	ROCK1 SRARE	SNARE1		
2	Funk SRARE	SNARE2		
3	Jazz SRARE	SNARE3		
4	Soul One SRARE	SNARE4		
5	Rock 2 SRARE	SNARE5		
6	Dragon SRARE	SNARE6		
7	Dub Remix SRARE	SNARE7		
8	Nein Oh Nein SRARE	SNARE8		
9	Nupop SRARE	SNARE9		
10	Tight SRARE	SNARE10		
11	Basic SRARE	SNARE11		
12	Multi Mic SRARE	SNARE12		
13	Multi Stick SRARE	SNARE13		
14	Vintage SRARE	SNARE14		
15	Garrage SRARE	SNARE15		
16	Harsh SRARE	SNARE16		
17	Elektro Acoustik SRARE	SNARE17		
18	Studio Gong SRARE	SNARE18		
19	Ate Oh Wait SRARE	SNARE19		
20	Hessy Eye Drum SRARE	SNARE20		
21	ROCK1 SRARE Rim	SNARER1		
22	Funk SRARE Rim	SNARER2		
23	Jazz SRARE Rim	SNARER3		
24	Soul One SRARE Rim	SNARER4		
25	Rock 2 SRARE Rim	SNARER5		
26	Dragon SRARE Rim	SNARER6		
27	Dub Remix SRARE Rim	SNARER7		
28	Nein Oh Nein SRARE Rim	SNARER8		
29	Nupop SRARE Rim	SNARER9		
30	Tight SRARE Rim	SNARER10		
31	Basic SRARE Rim	SNARER11		
32	Multi Mic SRARE Rim	SNARER12		
33	Multi Stick SRARE Rim	SNARER13		
34	Vintage SRARE Rim	SNARER14		
35	Garrage SRARE Rim	SNARER15		
36	Harsh SRARE Rim	SNARER16		
37	Rock 2 SRARE Rim	SNARER17		
38	Studio Gong SRARE Rim	SNARER18		
39	Ate Oh Wait SRARE Rim	SNARER19		
40	Hessy Eye Drum SRARE Rim	SNARER20		

	CRASH	
No.	Name	LCD
1	ROCK1 CRASH	CRASH1
2	Funk CRASH	CRASH2
3	Jazz CRASH	CRASH3
4	Soul One CRASH	CRASH4
5	Rock 2 CRASH	CRASH5
6	Dragon CRASH	CRASH6
7	Dub Remix CRASH	CRASH7
8	Nein Oh Nein CRASH	CRASH8
9	Nupop CRASH	CRASH9
10	Tight CRASH	CRASH10
11	Basic CRASH	CRASH11
12	Multi Mic CRASH	CRASH12
13	Multi Stick CRASH	CRASH13
14	Vintage CRASH	CRASH14
15	Garrage CRASH	CRASH15
16	Harsh CRASH	CRASH16
17	Elektro Acoustik CRASH	CRASH17
18	Studio Gong CRASH	CRASH18
19	Ate Oh Wait CRASH	CRASH19
20	Hessy Eye Drum CRASH	CRASH20
21	ROCK1 CRASH Rim	CRASHR1
22	Funk CRASH Rim	CRASHR2
23	Jazz CRASH Rim	CRASHR3
24	Soul One CRASH Rim	CRASHR4
25	Rock 2 CRASH Rim	CRASHR5
26	Dragon CRASH Rim	CRASHR6
27	Dub Remix CRASH Rim	CRASHR7
28	Nein Oh Nein CRASH Rim	CRASHR8
29	Nupop CRASH Rim	CRASHR9
30	Tight CRASH Rim	CRASHR10
31	Basic CRASH Rim	CRASHR11
32	Multi Mic CRASH Rim	CRASHR12
33	Multi Stick CRASH Rim	CRASHR13
34	Vintage CRASH Rim	CRASHR14
35	Garrage CRASH Rim	CRASHR15
36	Harsh CRASH Rim	CRASHR16
37	Elektro Acoustik CRASH Rim	CRASHR17
38	Studio Gong CRASH Rim	CRASHR18
39	Ate Oh Wait CRASH Rim	CRASHR19
40	Hessy Eye Drum CRASH Rim	CRASHR20

RIDE		
No.	Name	LCD
1	ROCK1 RIDE	RIDE1
2	Funk RIDE	RIDE2
3	Jazz RIDE	RIDE3
4	Soul One RIDE	RIDE4
5	Rock 2 RIDE	RIDE5
6	Dragon RIDE	RIDE6
7	Dub Remix RIDE	RIDE7
8	Nein Oh Nein RIDE	RIDE8
9	Nupop RIDE	RIDE9
10	Tight RIDE	RIDE10
11	Basic RIDE	RIDE11
12	Multi Mic RIDE	RIDE12
13	Multi Stick RIDE	RIDE13
14	Vintage RIDE	RIDE14
15	Garrage RIDE	RIDE15
16	Harsh RIDE	RIDE16
17	Elektro Acoustik RIDE	RIDE17
18	Studio Gong RIDE	RIDE18
19	Ate Oh Wait RIDE	RIDE19
20	Hessy Eye Drum RIDE	RIDE20
21	ROCK1 RIDE Rim	RIDER1
22	Funk RIDE Rim	RIDER2
23	Jazz RIDE Rim	RIDER3
24	Soul One RIDE Rim	RIDER4
25	Rock 2 RIDER Rim	RIDER5
26	Dragon RIDER Rim	RIDER6
27	Dub Remix RIDE Rim	RIDER7
28	Nein Oh Nein RIDE Rim	RIDER8
29	Nupop RIDE Rim	RIDER9
30	Tight RIDE Rim	RIDER10
31	Basic RIDE Rim	RIDER11
32	Multi Mic RIDE Rim	RIDER12
33	Multi Stick RIDE Rim	RIDER13
34	Vintage RIDE Rim	RIDER14
35	Garrage RIDE Rim	RIDER15
36	Harsh RIDE Rim	RIDER16
37	Elektro Acoustik RIDE Rim	RIDER17
38	Studio Gong RIDE Rim	RIDER18
39	Ate Oh Wait RIDE Rim	RIDER19
40	Hessy Eye Drum RIDE Rim	RIDER20

5	Rock 2 HH PEDAL	HH5
6	Dragon HH PEDAL	HH6
7	Dub Remix HH PEDAL	HH7
8	Nein Oh Nein HH PEDAL	HH8
9	Nupop HH PEDAL	HH9
10	Tight HH PEDAL	HH10
11	Basic HH PEDAL	HH11
12	Multi Mic HH PEDAL	HH12
13	Multi Stick HH PEDAL	HH13
14	Vintage HH PEDAL	HH14
15	Garrage HH PEDAL	HH15
16	Harsh HH PEDAL	HH16
17	Elektro Acoustik HH PEDAL	HH17
18	Studio Gong HH PEDAL	HH18
19	Ate Oh Wait HH PEDAL	HH19
20	Hessy Eye Drum HH PEDAL	HH20
21	ROCK1 OPEN HH	HHO1
22	Funk OPEN HH	HHO2
23	Jazz OPEN HH	HHO3
24	Soul One OPEN HH	HHO4
25	Rock 2 OPEN HH	HHO5
26	Dragon OPEN HH	HHO6
27	Dub Remix OPEN HH	HHO7
28	Nein Oh Nein OPEN HH	HHO8
29	Nupop OPEN HH	HHO9
30	Tight OPEN HH	HHO10
31	Basic OPEN HH	HHO11
32	Multi Mic OPEN HH	HHO12
33	Multi Stick OPEN HH	HHO13
34	Vintage OPEN HH	HHO14
35	Garrage OPEN HH	HHO15
36	Harsh OPEN HH	HHO16
37	Elektro Acoustik OPEN HH	HHO17
38	Studio Gong OPEN HH	HHO18
39	Ate Oh Wait OPEN HH	HHO19
40	Hessy Eye Drum OPEN HH	HHO20
41	ROCK1 CLOSED HH	HHC1
42	Funk CLOSED HH	HHC2
43	Jazz CLOSED HH	HHC3
44	Soul One CLOSED HH	HHC4
45	Rock 2 CLOSED HH	HHC5
46	Dragon CLOSED HH	HHC6
47	Dub Remix CLOSED HH	HHC7

Hi Hat		
No.	Name	LCD
1	ROCK1 HH PEDAL	HH1
2	Funk HH PEDAL	HH2
3	Jazz HH PEDAL	HH3
4	Soul One HH PEDAL	HH4

Hi Hat		
No.	Name	LCD
1	Nein Oh Nein CLOSED HH	HHC8
2	Nupop CLOSED HH	HHC9
3	Tight CLOSED HH	HHC10
4	Basic CLOSED HH	HHC11

Multi Mic CLOSED HH	HHC12
Multi Stick CLOSED HH	HHC13
Vintage CLOSED HH	HHC14
Garrage CLOSED HH	HHC15
Harsh OPEN HH	HHC16
Ele Acoustik CLOSED HH	HHC17
Studio Gong CLOSED HH	HHC18
Ate Oh Wait CLOSED HH	HHC19
Hessy Eye CLOSED HH	HHC20
	Multi Stick CLOSED HH Vintage CLOSED HH Garrage CLOSED HH Harsh OPEN HH Ele Acoustik CLOSED HH Studio Gong CLOSED HH Ate Oh Wait CLOSED HH

ТОМ		
No.	Name	LCD
1	ROCK1 TOMH	TOMH1
2	Funk TOMH	TOMH2
3	Jazz TOMH	ТОМН3
4	Soul One TOMH	TOMH4
5	Rock 2 TOMH	TOMH5
6	Dragon TOMH	ТОМН6
7	Dub Remix TOMH	TOMH7
8	Nein Oh Nein TOMH	TOMH8
9	Nupop TOMH	ТОМН9
10	Tight TOMH	TOMH10
11	Basic TOMH	TOMH11
12	Multi Mic TOMH	TOMH12
13	Multi Stick TOMH	TOMH13
14	Vintage TOMH	TOMH14
15	Garrage TOMH	TOMH15
16	Harsh TOMH	TOMH16
17	Elektro Acoustik TOMH	TOMH17
18	Studio Gong TOMH	TOMH18
19	Ate Oh Wait TOMH	TOMH19
20	Hessy Eye Drum TOMH	TOMH20
21	ROCK1 TOMM	TOMM1
22	Funk TOMM	TOMM2
23	Jazz TOMM	TOMM3
24	Soul One TOMM	TOMM4
25	Rock 2 TOMM	TOMM5
26	Dragon TOMM	TOMM6
27	Dub Remix TOMM	TOMM7
28	Nein Oh Nein TOMM	TOMM8
29	Nupop TOMM	TOMM9
30	Tight TOMM	TOMM10
31	Basic TOMM	TOMM11
32	Multi Mic TOMM	TOMM12
33	Multi Stick TOMM	TOMM13
34	Vintage TOMM	TOMM14
35	Garrage TOMM	TOMM15
36	Harsh TOMM	TOMM16
37	Elektro Acoustik TOMM	TOMM17

38	Studio Gong TOMM	TOMM18
39	Ate Oh Wait TOMM	TOMM19
40	Hessy Eye Drum TOMM	TOMM20
41	ROCK1 TOML	TOML1
42	Funk TOML	TOML2
43	Jazz TOML	TOML3
44	Soul One TOML	TOML4
45	Rock 2 TOML	TOML5
46	Dragon TOML	TOML6
47	Dub Remix TOML	TOML7
48	Nein Oh Nein TOML	TOML8
49	Nupop TOML	TOML9
50	Tight TOML	TOML10
51	Basic TOML	TOML11
52	Multi Mic TOML	TOML12
53	Multi Stick TOML	TOML13
54	Vintage TOML	TOML14
55	Garrage TOML	TOML15
56	Harsh TOML	TOML16
57	Elektro Acoustik TOML	TOML17
58	Studio Gong TOML	TOML18
59	Ate Oh Wait TOML	TOML19
60	Hessy Eye Drum TOML	TOML20

KICK		
No.	Name	LCD
1	ROCK1 KICK	KICK1
2	Funk KICK	KICK2
3	Jazz KICK	KICK3
4	Soul One KICK	KICK4
5	Rock 2 KICK	KICK5
6	Dragon KICK	KICK6
7	Dub Remix KICK	KICK7
8	Nein Oh Nein KICK	KICK8
9	Nupop KICK	KICK9
10	Tight KICK	KICK10
11	Basic KICK	KICK11
12	Multi Mic KICK	KICK12
13	Multi Stick KICK	KICK13
14	Vintage KICK	KICK14
15	Garrage KICK	KICK15
16	Harsh KICK	KICK16
17	Elektro Acoustik KICK	KICK17
18	Studio Gong KICK	KICK18
19	Ate Oh Wait KICK	KICK19
20	Hessy Eye Drum KICK	KICK20

GM		
No.	Name	LCD
1	High Q	Gm1
2	Slap	Gm2
3	Scratch Push	Gm3
4	Scratch Pull	Gm4
5	Sticks	Gm5
6	Square Click	Gm6
7	Metronome Click	Gm7
8	Metronome Bell	Gm8
9	STD1 Kick2	Gm9
10	STD1 Kick1	Gm10
11	Side Stick	Gm11
12	STD1 Snare1	Gm12
13	Hand Clap	Gm13
14	Snare Drum 2	Gm14
15	Low Floor Tom	Gm15
16	Closed Hi Hat	Gm16
17	High Floor Tom	Gm17
18	Pedal Hi-Hat	Gm18
	Low Tom	Gm19
19	Open Hi-Hat	Gm20
20		Gm21
21	Low-Mid Tom Hi Mid Tom	
22		Gm22
23	Crash Cymbal 1	Gm23 Gm24
24	High Tom	
25	Ride Cymbal 1	Gm25
26	Chinese Cymbal	Gm26
27	Ride Bell	Gm27
28	Tambourine	Gm28
29	Splash Cymbal	Gm29
30	Cowbell	Gm30
31	Crash Cymbal 2	Gm31
32	Vibraslap	Gm32
33	Ride Cymbal 2	Gm33
34	Hi Bongo	Gm34
35	Low Bongo	Gm35
36	Mute Hi Conga	Gm36
37	Open Hi Conga	Gm37
38	Low Conga	Gm38
39	High Timbale	Gm39
40	Low Timbale	Gm40
41	High Agogo	Gm41
42	Low Agogo	Gm42
43	Cabasa	Gm43
44	Maracas	Gm44
45	Short Whistle	Gm45
46	Long Whistle	Gm46
47	Short Guiro	Gm47

	GM		
No.	Name	LCD	
48	Long Guiro	Gm48	
49	Claves	Gm49	
50	Hi Wood Block	Gm50	
51	Low Wood Block	Gm51	
52	Mute Cuica	Gm52	
53	Open Cuica	Gm53	
54	Mute Triangle	Gm54	
55	Open Triangle	Gm55	
56	Shaker	Gm56	
57	Jingle Bell	Gm57	
58	Belltree	Gm58	
59	Castanets	Gm59	
60	Mute Surdo	Gm60	
61	Open Surdo	Gm61	

No.         Name         LCD           1         Other1         OT1           2         Other2         OT2           3         Other3         OT3           4         Other4         OT4           5         Other5         OT5           6         Other6         OT6           7         Other7         OT7           8         Other8         OT8           9         Other9         OT9           10         Other10         OT10           11         Other10         OT10           11         Other11         OT11           12         Other12         OT12           13         Other13         OT13           14         Other14         OT14           15         Other15         OT15           16         Other16         OT16           17         Other17         OT17           18         Other18         OT18           19         Other19         OT19           20         Other20         OT20           21         Other20         OT20           21         Other21         OT21	OTHER		
2         Other2         OT2           3         Other3         OT3           4         Other4         OT4           5         Other5         OT5           6         Other6         OT6           7         Other6         OT6           7         Other7         OT7           8         Other8         OT8           9         Other9         OT9           10         Other10         OT10           11         Other11         OT10           11         Other11         OT10           11         Other11         OT11           12         Other12         OT12           13         Other13         OT13           14         Other14         OT14           15         Other13         OT15           16         Other15         OT15           16         Other16         OT16           17         Other17         OT17           18         Other18         OT18           19         Other19         OT19           20         Other20         OT20           21         Other21         OT21 <tr< td=""><td>No.</td><td>Name</td><td>LCD</td></tr<>	No.	Name	LCD
3         Other3         OT3           4         Other4         OT4           5         Other5         OT5           6         Other6         OT6           7         Other7         OT7           8         Other8         OT8           9         Other9         OT9           10         Other10         OT10           11         Other11         OT11           12         Other12         OT12           13         Other12         OT12           13         Other13         OT13           14         Other14         OT14           15         Other15         OT15           16         Other15         OT15           16         Other16         OT16           17         Other17         OT17           18         Other18         OT18           19         Other19         OT20           21         Other20         OT20           21         Other20         OT22           22         Other21         OT21           22         Other22         OT25           26         Other25         OT25	1	Other1	OT1
4         Other4         OT4           5         Other5         OT5           6         Other6         OT6           7         Other7         OT7           8         Other8         OT8           9         Other9         OT9           10         Other10         OT10           11         Other11         OT10           11         Other11         OT11           12         Other12         OT12           13         Other13         OT13           14         Other14         OT14           15         Other15         OT15           16         Other16         OT16           17         Other17         OT17           18         Other18         OT18           19         Other19         OT19           20         Other20         OT20           21         Other20         OT20           21         Other20         OT22           23         Other23         OT23           24         Other24         OT24           25         Other25         OT25           26         Other26         OT26 <td>2</td> <td>Other2</td> <td>OT2</td>	2	Other2	OT2
5         Other5         OT5           6         Other6         OT6           7         Other7         OT7           8         Other8         OT8           9         Other9         OT9           10         Other10         OT10           11         Other11         OT11           12         Other12         OT12           13         Other13         OT13           14         Other14         OT14           15         Other15         OT15           16         Other16         OT16           17         Other17         OT17           18         Other18         OT18           19         Other19         OT19           20         Other19         OT20           21         Other20         OT20           21         Other20         OT22           23         Other21         OT21           22         Other22         OT22           23         Other23         OT23           24         Other24         OT24           25         Other25         OT25           26         Other26         OT26     <	3	Other3	OT3
6 Other6 OT6 7 Other7 OT7 8 Other8 OT8 9 Other9 OT9 10 Other10 OT10 11 Other11 OT11 12 Other12 OT12 13 Other13 OT13 14 Other15 OT15 16 Other15 OT15 16 Other16 OT16 17 Other17 OT17 18 Other18 OT18 19 Other19 OT19 20 Other20 OT20 21 Other21 OT21 22 Other22 OT22 23 Other21 OT21 22 Other22 OT22 23 Other24 OT24 25 Other25 OT25 26 Other26 OT26 27 Other27 OT27 28 Other28 OT28 29 Other29 OT29 30 Other30 OT30 31 Other31 OT31 32 Other31 OT31 32 Other32 OT32 33 Other33 OT33 34 Other34 OT34 35 Other35 OT35 36 Other36 OT36 37 Other37 OT37 38 Other37 OT37 38 Other38 OT38 39 Other39 OT39	4	Other4	OT4
7         Other8         OT8           9         Other9         OT9           10         Other10         OT10           11         Other11         OT11           12         Other12         OT12           13         Other13         OT13           14         Other14         OT14           15         Other15         OT15           16         Other16         OT16           17         Other17         OT17           18         Other18         OT18           19         Other19         OT19           20         Other20         OT20           21         Other20         OT20           21         Other21         OT21           22         Other22         OT22           23         Other23         OT23           24         Other24         OT24           25         Other25         OT25           26         Other26         OT26           27         Other27         OT27           28         Other28         OT28           29         Other30         OT30           31         Other31         OT31 </td <td>5</td> <td>Other5</td> <td>OT5</td>	5	Other5	OT5
8         Other8         OT8           9         Other9         OT9           10         Other10         OT10           11         Other11         OT11           12         Other12         OT12           13         Other13         OT13           14         Other14         OT14           15         Other15         OT15           16         Other16         OT16           17         Other17         OT17           18         Other18         OT18           19         Other19         OT19           20         Other20         OT20           21         Other20         OT20           21         Other21         OT21           22         Other22         OT22           23         Other23         OT23           24         Other24         OT24           25         Other25         OT25           26         Other26         OT26           27         Other27         OT27           28         Other28         OT28           29         Other30         OT30           31         Other31         OT31 </td <td>6</td> <td>Other6</td> <td>ОТ6</td>	6	Other6	ОТ6
9 Other9 OT9 10 Other10 OT10 11 Other11 OT11 12 Other12 OT12 13 Other13 OT13 14 Other14 OT14 15 Other15 OT15 16 Other16 OT16 17 Other17 OT17 18 Other18 OT18 19 Other19 OT19 20 Other20 OT20 21 Other20 OT20 21 Other21 OT21 22 Other21 OT21 22 Other22 OT22 23 Other23 OT23 24 Other24 OT24 25 Other25 OT25 26 Other26 OT26 27 Other27 OT27 28 Other28 OT28 29 Other29 OT29 30 Other30 OT30 31 Other31 OT31 32 Other31 OT31 32 Other32 OT32 33 Other33 OT33 34 Other34 OT34 35 Other35 OT35 36 Other36 OT36 37 Other37 OT37 38 Other37 OT37 38 Other38 OT38	7	Other7	OT7
10         Other10         OT10           11         Other11         OT11           12         Other12         OT12           13         Other13         OT13           14         Other14         OT14           15         Other15         OT15           16         Other16         OT16           17         Other17         OT17           18         Other18         OT18           19         Other19         OT19           20         Other20         OT20           21         Other21         OT21           22         Other21         OT21           22         Other22         OT22           23         Other23         OT23           24         Other24         OT24           25         Other25         OT25           26         Other26         OT26           27         Other27         OT27           28         Other28         OT28           29         Other30         OT30           31         Other31         OT31           32         Other32         OT32           33         Other33	8	Other8	OT8
11         Other12         OT12           13         Other13         OT13           14         Other14         OT14           15         Other15         OT15           16         Other16         OT16           17         Other17         OT17           18         Other18         OT18           19         Other19         OT19           20         Other20         OT20           21         Other21         OT21           22         Other22         OT22           23         Other23         OT23           24         Other24         OT24           25         Other25         OT25           26         Other26         OT26           27         Other27         OT27           28         Other28         OT28           29         Other30         OT30           31         Other31         OT31           32         Other31         OT31           33         Other34         OT34           35         Other35         OT35           36         Other36         OT36           37         Other37	9	Other9	ОТ9
12       Other12       OT12         13       Other13       OT13         14       Other14       OT14         15       Other15       OT15         16       Other16       OT16         17       Other17       OT17         18       Other18       OT18         19       Other19       OT19         20       Other20       OT20         21       Other21       OT21         22       Other21       OT21         22       Other22       OT22         23       Other23       OT23         24       Other24       OT24         25       Other25       OT25         26       Other26       OT26         27       Other27       OT27         28       Other28       OT28         29       Other30       OT30         31       Other30       OT30         31       Other31       OT31         32       Other32       OT32         33       Other34       OT34         35       Other35       OT35         36       Other36       OT36         37       <	10	Other10	OT10
13         Other13         OT13           14         Other14         OT14           15         Other15         OT15           16         Other16         OT16           17         Other17         OT17           18         Other18         OT18           19         Other19         OT19           20         Other20         OT20           21         Other21         OT21           22         Other22         OT22           23         Other23         OT23           24         Other24         OT24           25         Other25         OT25           26         Other26         OT26           27         Other27         OT27           28         Other28         OT28           29         Other30         OT30           31         Other30         OT30           31         Other31         OT31           32         Other32         OT32           33         Other34         OT34           35         Other35         OT35           36         Other36         OT36           37         Other37	11	Other11	OT11
14         Other14         OT14           15         Other15         OT15           16         Other16         OT16           17         Other17         OT17           18         Other18         OT18           19         Other19         OT19           20         Other20         OT20           21         Other21         OT21           22         Other22         OT22           23         Other23         OT23           24         Other24         OT24           25         Other25         OT25           26         Other26         OT26           27         Other27         OT27           28         Other28         OT28           29         Other29         OT29           30         Other30         OT30           31         Other31         OT31           32         Other32         OT32           33         Other33         OT33           34         Other34         OT34           35         Other35         OT35           36         Other36         OT36           37         Other37	12	Other12	OT12
15 Other15 OT15 16 Other16 OT16 17 Other17 OT17 18 Other19 OT19 20 Other20 OT20 21 Other21 OT21 22 Other22 OT22 23 Other23 OT23 24 Other24 OT24 25 Other25 OT25 26 Other26 OT26 27 Other27 OT27 28 Other28 OT28 29 Other29 OT29 30 Other30 OT30 31 Other30 OT30 31 Other31 OT31 32 Other32 OT32 33 Other33 OT33 34 Other34 OT34 35 Other35 OT35 36 Other36 OT36 37 Other37 OT37 38 Other37 OT37 38 Other38 OT38 39 Other39 OT39	13	Other13	OT13
16       Other16       OT16         17       Other17       OT17         18       Other18       OT18         19       Other19       OT19         20       Other20       OT20         21       Other21       OT21         22       Other22       OT22         23       Other23       OT23         24       Other24       OT24         25       Other25       OT25         26       Other26       OT26         27       Other27       OT27         28       Other28       OT28         29       Other30       OT30         31       Other30       OT30         31       Other31       OT31         32       Other32       OT32         33       Other33       OT33         34       Other34       OT34         35       Other35       OT35         36       Other36       OT36         37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	14	Other14	OT14
17       Other17       OT17         18       Other18       OT18         19       Other19       OT19         20       Other20       OT20         21       Other21       OT21         22       Other22       OT22         23       Other23       OT23         24       Other24       OT24         25       Other25       OT25         26       Other26       OT26         27       Other27       OT27         28       Other28       OT28         29       Other29       OT29         30       Other30       OT30         31       Other31       OT31         32       Other32       OT32         33       Other33       OT33         34       Other34       OT34         35       Other35       OT35         36       Other36       OT36         37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	15	Other15	OT15
18         Other18         OT18           19         Other19         OT19           20         Other20         OT20           21         Other21         OT21           22         Other22         OT22           23         Other23         OT23           24         Other24         OT24           25         Other25         OT25           26         Other26         OT26           27         Other27         OT27           28         Other28         OT28           29         Other29         OT29           30         Other30         OT30           31         Other31         OT31           32         Other32         OT32           33         Other34         OT34           35         Other34         OT34           35         Other35         OT35           36         Other36         OT36           37         Other37         OT37           38         Other38         OT39	16	Other16	OT16
19         Other19         OT19           20         Other20         OT20           21         Other21         OT21           22         Other22         OT22           23         Other23         OT23           24         Other24         OT24           25         Other25         OT25           26         Other26         OT26           27         Other27         OT27           28         Other28         OT28           29         Other29         OT29           30         Other30         OT30           31         Other31         OT31           32         Other32         OT32           33         Other32         OT32           33         Other34         OT34           35         Other35         OT35           36         Other36         OT36           37         Other37         OT37           38         Other38         OT38           39         Other39         OT39	17	Other17	OT17
20         Other20         OT20           21         Other21         OT21           22         Other22         OT22           23         Other23         OT23           24         Other24         OT24           25         Other25         OT25           26         Other26         OT26           27         Other27         OT27           28         Other28         OT28           29         Other29         OT29           30         Other30         OT30           31         Other31         OT31           32         Other32         OT32           33         Other33         OT33           34         Other34         OT34           35         Other35         OT35           36         Other36         OT36           37         Other37         OT37           38         Other38         OT38           39         Other39         OT39	18	Other18	OT18
21       Other21       OT21         22       Other22       OT22         23       Other23       OT23         24       Other24       OT24         25       Other25       OT25         26       Other26       OT26         27       Other27       OT27         28       Other28       OT28         29       Other29       OT29         30       Other30       OT30         31       Other31       OT31         32       Other32       OT32         33       Other32       OT32         33       Other34       OT34         35       Other35       OT35         36       Other36       OT36         37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	19	Other19	OT19
22       Other22       OT22         23       Other23       OT23         24       Other24       OT24         25       Other25       OT25         26       Other26       OT26         27       Other27       OT27         28       Other28       OT28         29       Other29       OT29         30       Other30       OT30         31       Other31       OT31         32       Other32       OT32         33       Other32       OT32         33       Other34       OT34         35       Other34       OT34         35       Other35       OT35         36       Other36       OT36         37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	20	Other20	OT20
23       Other23       OT23         24       Other24       OT24         25       Other25       OT25         26       Other26       OT26         27       Other27       OT27         28       Other28       OT28         29       Other29       OT29         30       Other30       OT30         31       Other31       OT31         32       Other32       OT32         33       Other32       OT32         33       Other34       OT34         35       Other34       OT34         35       Other35       OT35         36       Other36       OT36         37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	21	Other21	OT21
24       Other24       OT24         25       Other25       OT25         26       Other26       OT26         27       Other27       OT27         28       Other28       OT28         29       Other29       OT29         30       Other30       OT30         31       Other31       OT31         32       Other32       OT32         33       Other32       OT33         34       Other34       OT34         35       Other35       OT35         36       Other36       OT36         37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	22	Other22	OT22
25         Other25         OT25           26         Other26         OT26           27         Other27         OT27           28         Other28         OT28           29         Other29         OT29           30         Other30         OT30           31         Other31         OT31           32         Other32         OT32           33         Other33         OT33           34         Other34         OT34           35         Other35         OT35           36         Other36         OT36           37         Other37         OT37           38         Other38         OT38           39         Other39         OT39	23	Other23	OT23
26         Other26         OT26           27         Other27         OT27           28         Other28         OT28           29         Other29         OT29           30         Other30         OT30           31         Other31         OT31           32         Other32         OT32           33         Other33         OT33           34         Other34         OT34           35         Other35         OT35           36         Other36         OT36           37         Other37         OT37           38         Other38         OT38           39         Other39         OT39	24	Other24	OT24
27       Other27       OT27         28       Other28       OT28         29       Other29       OT29         30       Other30       OT30         31       Other31       OT31         32       Other32       OT32         33       Other33       OT33         34       Other34       OT34         35       Other35       OT35         36       Other36       OT36         37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	25	Other25	OT25
28         Other28         OT28           29         Other29         OT29           30         Other30         OT30           31         Other31         OT31           32         Other32         OT32           33         Other33         OT33           34         Other34         OT34           35         Other35         OT35           36         Other36         OT36           37         Other37         OT37           38         Other38         OT38           39         Other39         OT39	26	Other26	OT26
29         Other29         OT29           30         Other30         OT30           31         Other31         OT31           32         Other32         OT32           33         Other33         OT33           34         Other34         OT34           35         Other35         OT35           36         Other36         OT36           37         Other37         OT37           38         Other38         OT38           39         Other39         OT39	27	Other27	OT27
30 Other30 OT30 31 Other31 OT31 32 Other32 OT32 33 Other33 OT33 34 Other34 OT34 35 Other35 OT35 36 Other36 OT36 37 Other37 OT37 38 Other38 OT38 39 Other39 OT39	28	Other28	OT28
31       Other31       OT31         32       Other32       OT32         33       Other33       OT33         34       Other34       OT34         35       Other35       OT35         36       Other36       OT36         37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	29	Other29	OT29
32       Other32       OT32         33       Other33       OT33         34       Other34       OT34         35       Other35       OT35         36       Other36       OT36         37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	30	Other30	OT30
33 Other33 OT33 34 Other34 OT34 35 Other35 OT35 36 Other36 OT36 37 Other37 OT37 38 Other38 OT38 39 Other39 OT39	31	Other31	OT31
34       Other34       OT34         35       Other35       OT35         36       Other36       OT36         37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	32	Other32	OT32
35       Other35       OT35         36       Other36       OT36         37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	33	Other33	ОТ33
36       Other36       OT36         37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	34	Other34	OT34
37       Other37       OT37         38       Other38       OT38         39       Other39       OT39	35	Other35	OT35
38 Other38 OT38 39 Other39 OT39	36	Other36	ОТ36
39 Other39 OT39	37	Other37	OT37
	38	Other38	OT38
40 Other40 OT40	39	Other39	OT39
	40	Other40	OT40

#### THE FCC REGULATION WARNING (for U.S.A.)

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.
- $\bullet \ Connect \ the \ equipment \ into \ an \ outlet \ on \ a \ circuit \ different \ from \ that \ to \ which \ the \ receiver \ is \ connected.$
- $\bullet \ Consult \ the \ dealer \ or \ an \ experienced \ radio/TV \ technician \ for \ help.$

#### CE mark for European Harmonized Standards

CE Mark which is attached to our company's products of Battery mains the product is in fully conformity with the harmonized standard(s) EN 61000-6-3:2007+A1:2011 & EN 61000-6-1:2007 Under the Council Directive 2004/108/EC on Electromagnetic Compatibility

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