

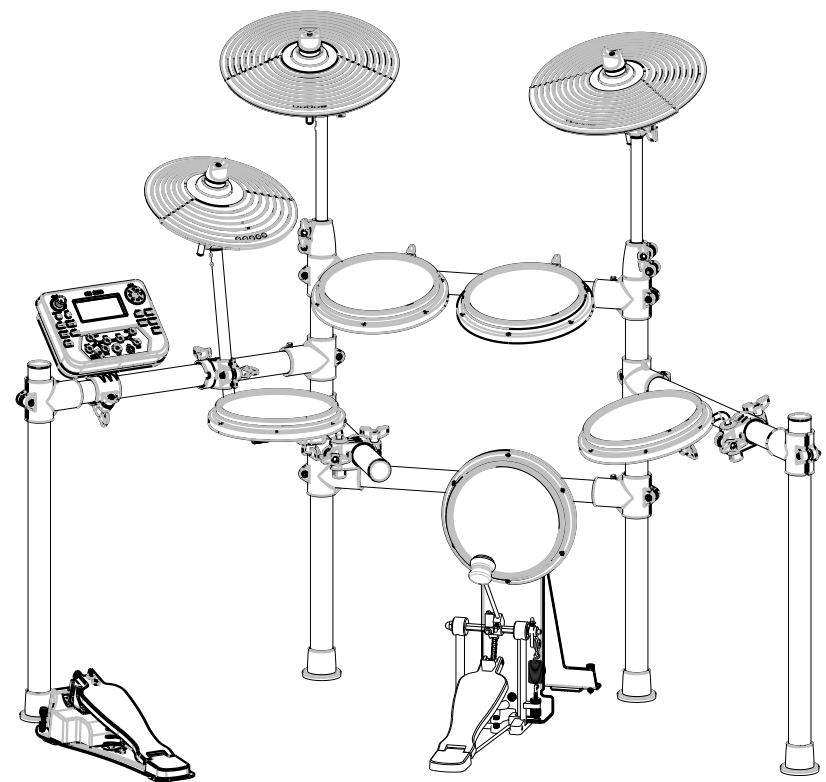
DS001

Drum Set

# DS001

USER MANUAL

Drum Set



## Voice list

NO.	Voice	NO.	Voice	NO.	Voice	NO.	Voice
594	Pedal H. H24	603	Ride_b 3	613	Ride_b 13	623	Ride_b 23
595	Pedal H. H25	604	Ride_b 4	614	Ride_b 14	624	Ride_b 24
596	Pedal H.H 26	605	Ride_b 5	615	Ride_b 15	625	Ride_b 25
597	Pedal H.H 27	606	Ride_b 6	616	Ride_b 16	626	Ride_b 26
598	Pedal H. H28	607	Ride_b 7	617	Ride_b 17	627	Ride_b 27
599	Pedal H.H 29	608	Ride_b 8	618	Ride_b 18	628	Ride_b 28
600	Pedal H.H 30	609	Ride_b 9	619	Ride_b 19	629	Ride_b 29
	<b>Ride_b</b>	610	Ride_b 10	620	Ride_b 20	630	Ride_b 30
601	Ride_b 1	611	Ride_b 11	621	Ride_b 21		
602	Ride_b 2	612	Ride_b 12	622	Ride_b 22		

## CAUTION

In order to avoid hurting yourself or others or damaging instrument or causing property loss, please read carefully and observe following basic notes before operation. Please kindly find the notes as follows:

### Power/AC power adaptor

- Only the rated voltage specified by this drum can be used.
- Only the regulating power adaptor can be used. Improper power adaptor may damage this drum or cause excessive heat.
- inspecting plugs of power adaptor regularly, wipe with a dry towel on the dust.
- Please do not put power cable of AC adaptor neat the heat source(example:heater) or radiator. Do not bend or damage power cable excessively. Please do not put heavy object on it. Do not put it on where it was rolled or stomped.
- Please be sure to hold plugs instead of power cable when plugs were pulled out from power jack of this drum or power socket.
- Please pull out AC power adaptor when this drum wasn't used or in the period of thunderstorm.
- Do not use multiple connector to connect this instrument with power socket, or else, reduce sound quality or may over heat the socket.

### Laying position

- Do not put the drum in a dusty, vibrating, humid, extreme cold or scorching environment. (such as the place where sunshine directly, the neighbouring place of the central heat or or the car in the sunshine) to avoid damaging operation on panel or internal parts.
- Do not use this drum near the TV, radio, stereo equipments, mobile or other equipments to avoid causing noise in this drum.
- Do not put this drum on un-steady place to avoid sudden turned over.

### Operation

- Adjust volume of drum sound box to suitable size if using it in exercise (especially at night) to avoid affecting neighbours.
- Do not use this drum/sound box or headphone in very high or uncomfortable volume level for long time to avoid damaging hearing.
- Please shut off the power switch of the equipments before connecting this drum with other equipments. Please adjust all volume to lowest before operating or shut off the power switch of the equipments. Moreover, the volume of all the equipment must be adjusted to lowest value, then increase volume step by step during the performing instrument to get ideal hearing feeling.

### Maintenance

- Please pull out power plugs before cleaning this drum, do not use wet hands to insert and pull out to avoid electric shock.
- Use soft, dry or dampish cloth to wipe drum body for daily cleaning. Please use mild, non-abrasive cleaner if you need to wipe off stubborn spot.
- Do not use gasoline, diluents, alcohol or resolvable quid to wipe this drum set to avoid fading or deforming.
- Do not open and try to disassemble its internal parts or make any way alteration. This drum doesn't contain any user own repair parts. Please stop use this drum at once if any abnormality comes up and find qualified maintenance person to repair.

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# Voice list

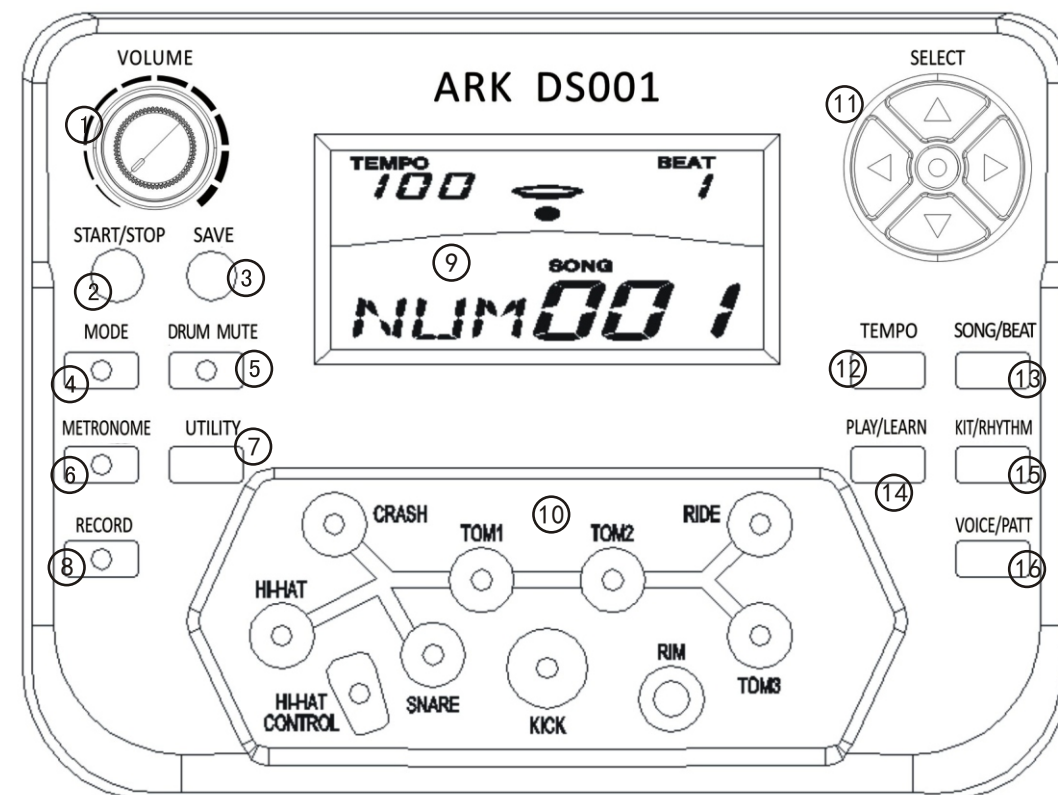
NO.	Voice	NO.	Voice	NO.	Voice	NO.	Voice
447	Crash-B 27	483	H. HClS_b 3	520	Half Opn 10	557	Sph 17
448	Crash-B 28	484	H. HClS_b 4	521	Half Opn 11	558	Sph 18
449	Crash-B 29	485	H. HClS_b 5	522	Half Opn 12	559	Sph 19
450	Crash-B 30	486	H. HClS_b 6	523	Half Opn 13	560	Sph 20
<b>Hi-Hat open</b>		487	H. HClS_b 7	524	Half Opn 14	561	Sph 21
451	H. H Opn 1	488	H.H Cls_b 8	525	Half Opn 15	562	Sph 22
452	H.H Opn 2	489	H.H Cls_b 9	526	Half Opn 16	563	Sph 23
453	H.H Opn 3	490	H. HClS_b 10	527	Half Opn 17	564	Sph 24
454	H. H Opn 4	491	H.H Cls_b 11	528	Half Opn 18	565	Sph 25
455	H.H Opn 5	492	H.H Cls_b 12	529	Half Opn 19	566	Sph 26
456	H.H Opn 6	493	H. HClS_b 13	530	Half Opn 20	567	Sph 27
457	H. H Opn 7	494	H. HClS_b 14	531	Half Opn 21	568	Sph 28
458	H. H Opn 8	495	H. HClS_b 15	532	Half Opn 22	569	Sph 29
459	H. H Opn 9	496	H. HClS_b 16	533	Half Opn 23	570	Sph 30
460	H. H Opn 10	497	H. HClS_b 17	534	Half Opn 24	<b>Splash</b>	
461	H. H Opn 11	498	H. HClS_b 18	535	Half Opn 25	571	Pedal H. H1
462	H. H Opn 12	499	H. HClS_b 19	536	Half Opn 26	572	Pedal H. H2
463	H. H Opn 13	500	H. HClS_b 20	537	Half Opn 27	573	Pedal H. H3
464	H. H Opn 14	501	H. HClS_b 21	538	Half Opn 28	574	Pedal H. H4
465	H. H Opn 15	502	H. HClS_b 22	539	Half Opn 29	575	Pedal H. H5
466	H. H Opn 16	503	H. HClS_b 23	540	Half Opn 30	576	Pedal H. H6
467	H. H Opn 17	504	H. HClS_b 24	<b>Splash</b>		577	Pedal H.H 7
468	H. H Opn 18	505	H. HClS_b 25	541	Sph 1	578	Pedal H.H 8
469	RK H. H Opn 1	506	H. HClS_b 26	542	Sph 2	579	Pedal H.H 9
470	RK H. H Opn 2	507	H.H Cls_b 27	543	Sph 3	580	Pedal H.H 10
471	RK H.H Opn 3	508	H.H Cls_b 28	544	Sph 4	581	Pedal H.H 11
472	RK H.H Opn 4	509	H.H Cls_b 29	545	Sph 5	582	Pedal H. H12
473	RK H.H Opn 5	510	H.H Cls_b 30	546	Sph 6	583	Pedal H. H13
474	RK H.H Opn 6	<b>Hi-Hat half open</b>		547	Sph 7	584	Pedal H. H14
475	RK H.H Opn 7	511	Half Opn 1	548	Sph 8	585	Pedal H. H15
476	Ana H. H Opn 1	512	Half Opn 2	549	Sph 9	586	Pedal H. H16
477	Ana H. H Opn 2	513	Half Opn 3	550	Sph 10	587	Pedal H. H17
478	Ana H. H Opn 3	514	Half Opn 4	551	Sph 11	588	Pedal H. H18
479	Ana H. H Opn 4	515	Half Opn 5	552	Sph 12	589	Pedal H. H19
480	Ana H. H Opn 5	516	Half Opn 6	553	Sph 13	590	Pedal H. H20
<b>Hi-Hat close</b>		517	Half Opn 7	554	Sph 14	591	Pedal H. H21
481	H. HClS_b 1	518	Half Opn 8	555	Sph 15	592	Pedal H. H22
482	H. HClS_b 2	519	Half Opn 9	556	Sph 16	593	Pedal H. H23

## Voice list

NO.	Voice	NO.	Voice	NO.	Voice	NO.	Voice
297	Tom-C ST 27	335	Tom-D ST 5	372	Ride 12	409	Crash-A 19
298	Tom-C ST 28	336	Tom-D ST 6	373	Ride 13	410	Crash-A 20
299	Tom-C ST 29	337	Tom-D ST 7	374	Ride 14	411	Crash-A 21
300	Tom-C ST 30	338	Tom-D ST 8	375	Ride 15	412	Crash-A 22
301	Tom-D 1	339	Tom-D ST 9	376	Ride 16	413	Crash-A 23
302	Tom-D 2	340	Tom-D ST 10	377	Ride 17	414	Crash-A 24
303	Tom-D 3	341	Tom-D ST 11	378	Ride 18	415	Crash-A 25
304	Tom-D 4	342	Tom-D ST 12	379	Ride 19	416	Crash-A 26
305	Tom-D 5	343	Tom-D ST 13	380	Ride 20	417	Crash-A 27
306	Tom-D 6	344	Tom-D ST 14	381	Ride 21	418	Crash-A 28
307	Tom-D 7	345	Tom-D ST 15	382	Ride 22	419	Crash-A 29
308	Tom-D 8	346	Tom-D ST 16	383	Ride 23	420	Crash-A 30
309	Tom-D 9	347	Tom-D ST 17	384	Ride 24	421	Crash-B 1
310	Tom-D 10	348	Tom-D ST 18	385	Ride 25	422	Crash-B 2
311	Tom-D 11	349	Tom-D ST 19	386	Ride 26	423	Crash-B 3
312	Tom-D 12	350	Tom-D ST 20	387	Ride 27	424	Crash-B 4
313	Tom-D 13	351	Tom-D ST 21	388	Ride 28	425	Crash-B 5
314	Tom-D 14	352	Tom-D ST 22	389	Ride 29	426	Crash-B 6
315	Tom-D 15	353	Tom-D ST 23	390	Ride 30	427	Crash-B 7
316	Tom-D 16	354	Tom-D ST 24	Ride		428	Crash-B 8
317	Tom-D 17	355	Tom-D ST 25	391	Crash-A 1	429	Crash-B 9
318	Tom-D 18	356	Tom-D ST 26	392	Crash-A 2	430	Crash-B 10
319	Tom-D 19	357	Tom-D ST 27	393	Crash-A 3	431	Crash-B 11
320	Tom-D 20	358	Tom-D ST 28	394	Crash-A 4	432	Crash-B 12
321	Tom-D 21	359	Tom-D ST 29	395	Crash-A 5	433	Crash-B 13
322	Tom-D 22	360	Tom-D ST 30	396	Crash-A 6	434	Crash-B 14
323	Tom-D 23	Ride		397	Crash-A 7	435	Crash-B 15
324	Tom-D 24	361	Ride 1	398	Crash-A 8	436	Crash-B 16
325	Tom-D 25	362	Ride 2	399	Crash-A 9	437	Crash-B 17
326	Tom-D 26	363	Ride 3	400	Crash-A 10	438	Crash-B 18
327	Tom-D 27	364	Ride 4	401	Crash-A 11	439	Crash-B 19
328	Tom-D 28	365	Ride 5	402	Crash-A 12	440	Crash-B 20
329	Tom-D 29	366	Ride 6	403	Crash-A 13	441	Crash-B 21
330	Tom-D 30	367	Ride 7	404	Crash-A 14	442	Crash-B 22
331	Tom-D ST 1	368	Ride 8	405	Crash-A 15	443	Crash-B 23
332	Tom-D ST 2	369	Ride 9	406	Crash-A 16	444	Crash-B 24
333	Tom-D ST 3	370	Ride 10	407	Crash-A 17	445	Crash-B 25
334	Tom-D ST 4	371	Ride 11	408	Crash-A 18	446	Crash-B 26

## Panel Description

### Top panel



#### 1. VOLUME

Adjust the overall output volume

#### 2. 【START/STOP】 button

Start or stop the play of songs

#### 3. 【SAVE】 button

Save the setting of user's drum kit

#### 4. 【MODE】 button

Switch among Normal Mode and Learning Mode

#### 5. 【DRUM MUTE】 button

Open or close the drum kit during songs

#### 6. 【METRONOME】 button

Open or close the metronome

#### 7. 【UTILITY】 button

Enter the menu of Setting of performance of Trigger and value of Metronome

#### 8. 【RECORD】 button

Recording

#### 9. LCD display

Display current menu or its parameters

#### 10. Percussion pad direct selection button

Press percussion pad direct selection button to trigger current percussion pad; in the setting state of voice menu and trigger performance menu, then choose the percussion pad trigger that you want to edit.

#### 11. 【<】 / 【>】 / 【^】 / 【v】 button

【<】 / 【>】 Reduce/Increase value, 【^】 / 【v】 Last/Next Menu

#### 12. 【TEMPO】 button

Adjust the speed of metronome/ demo/learning songs

#### 13. 【SONG/BEAT】 button

Enter into the menu of song when in normal mode; Enter into the practice menu of Snare Drum when in learning mode

#### 14. 【PLAY/LEARN】 button

Play back recording when in normal mode; Play current learning songs, in order to make it easier for user to follow it and practice when in learning mode

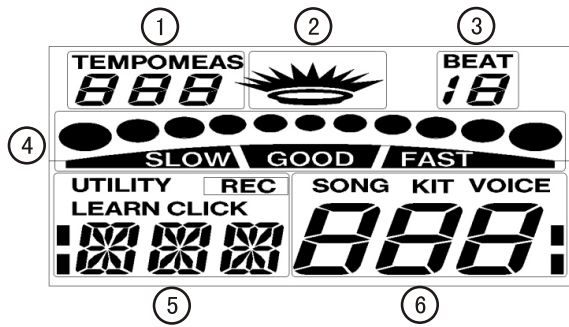
#### 15. 【KIT/RHYTHM】 button

Enter into the menu of Kit when in normal mode; Enter into the rhythm menu when in learning mode

#### 16. 【VOICE/PATT】 button

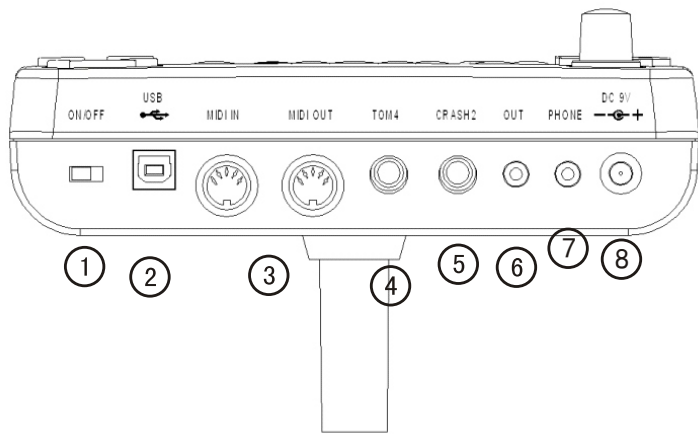
Enter the menu of voice when in normal mode; Enter into the menu of rhythm when in learning mode

## LCD Display



1. Tempo/Measure
2. Hit display
3. Beat counter
4. Display of kit veracity
5. Current mode & parameter item
6. Current menu name & its value

## Rear panel & bottom panel



### 1.ON/OFF

Power on & off

### 2.USB port

Transfer MIDI Data by connecting USB line to PC

### 3.MIDI IN/OUT jacks

Transfer MIDI Data by connecting MIDI line to PC or other MIDI device

### 4.TOM4 expansion jack

Connect to TOM4

### 5.CRASH2 expansion jack

Connect to CRASH2

### 6.OUT (audio out)

Connect to sound box

### 7.PHONE jack

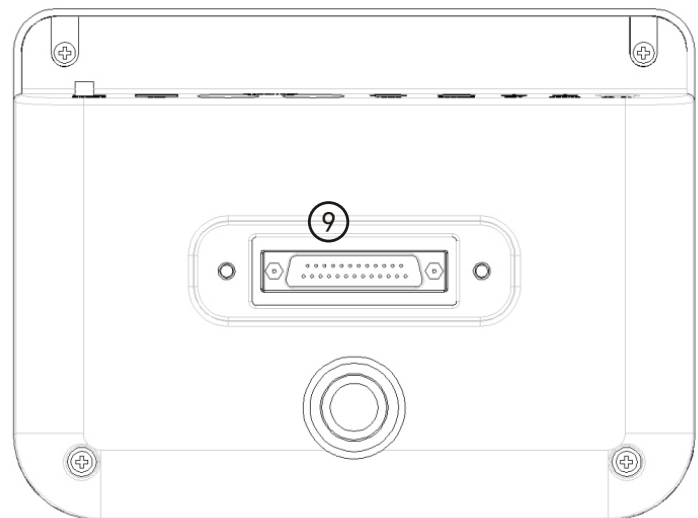
Connect to headphone

### 8.DC 9V (power jack)

Connect to power adaptor

### 9.Percussion connection jack

Connect to drum ,cymbals , pedal & bass drum



## Voice list

NO.	Voice	NO.	Voice	NO.	Voice	NO.	Voice
146	Tom-A 26	184	Tom-B 4	222	Tom-B ST 12	259	Tom-C 19
147	Tom-A 27	185	Tom-B 5	223	Tom-B ST 13	260	Tom-C 20
148	Tom-A 28	186	Tom-B 6	224	Tom-B ST 14	261	Tom-C 21
149	Tom-A 29	187	Tom-B 7	225	Tom-B ST 15	262	Tom-C 22
150	Tom-A 30	188	Tom-B 8	226	Tom-B ST 16	263	Tom-C 23
151	Tom-A ST 1	189	Tom-B 9	227	Tom-B ST 17	264	Tom-C 24
152	Tom-A ST 2	190	Tom-B 10	228	Tom-B ST 18	265	Tom-C 25
153	Tom-A ST 3	191	Tom-B 11	229	Tom-B ST 19	266	Tom-C 26
154	Tom-A ST 4	192	Tom-B 12	230	Tom-B ST 20	267	Tom-C 27
155	Tom-A ST 5	193	Tom-B 13	231	Tom-B ST 21	268	Tom-C 28
156	Tom-A ST 6	194	Tom-B 14	232	Tom-B ST 22	269	Tom-C 29
157	Tom-A ST 7	195	Tom-B 15	233	Tom-B ST 23	270	Tom-C 30
158	Tom-A ST 8	196	Tom-B 16	234	Tom-B ST 24	271	Tom-C ST 1
159	Tom-A ST 9	197	Tom-B 17	235	Tom-B ST 25	272	Tom-C ST 2
160	Tom-A ST 10	198	Tom-B 18	236	Tom-B ST 26	273	Tom-C ST 3
161	Tom-A ST 11	199	Tom-B 19	237	Tom-B ST 27	274	Tom-C ST 4
162	Tom-A ST 12	200	Tom-B 20	238	Tom-B ST 28	275	Tom-C ST 5
163	Tom-A ST 13	201	Tom-B 21	239	Tom-B ST 29	276	Tom-C ST 6
164	Tom-A ST 14	202	Tom-B 22	240	Tom-B ST 30	277	Tom-C ST 7
165	Tom-A ST 15	203	Tom-B 23		<b>Acoustic Tom</b>	278	Tom-C ST 8
166	Tom-A ST 16	204	Tom-B 24	241	Tom-C 1	279	Tom-C ST 9
167	Tom-A ST 17	205	Tom-B 25	242	Tom-C 2	280	Tom-C ST 10
168	Tom-A ST 18	206	Tom-B 26	243	Tom-C 3	281	Tom-C ST 11
169	Tom-A ST 19	207	Tom-B 27	244	Tom-C 4	282	Tom-C ST 12
170	Tom-A ST 20	208	Tom-B 28	245	Tom-C 5	283	Tom-C ST 13
171	Tom-A ST 21	209	Tom-B 29	246	Tom-C 6	284	Tom-C ST 14
172	Tom-A ST 22	210	Tom-B 30	247	Tom-C 7	285	Tom-C ST 15
173	Tom-A ST 23	211	Tom-B ST 1	248	Tom-C 8	286	Tom-C ST 16
174	Tom-A ST 24	212	Tom-B ST 2	249	Tom-C 9	287	Tom-C ST 17
175	Tom-A ST 25	213	Tom-B ST 3	250	Tom-C 10	288	Tom-C ST 18
176	Tom-A ST 26	214	Tom-B ST 4	251	Tom-C 11	289	Tom-C ST 19
177	Tom-A ST 27	215	Tom-B ST 5	252	Tom-C 12	290	Tom-C ST 20
178	Tom-A ST 28	216	Tom-B ST 6	253	Tom-C 13	291	Tom-C ST 21
179	Tom-A ST 29	217	Tom-B ST 7	254	Tom-C 14	292	Tom-C ST 22
180	Tom-A ST 30	218	Tom-B ST 8	255	Tom-C 15	293	Tom-C ST 23
181	Tom-B 1	219	Tom-B ST 9	256	Tom-C 16	294	Tom-C ST 24
182	Tom-B 2	220	Tom-B ST 10	257	Tom-C 17	295	Tom-C ST 25
183	Tom-B 3	221	Tom-B ST 11	258	Tom-C 18	296	Tom-C ST 26

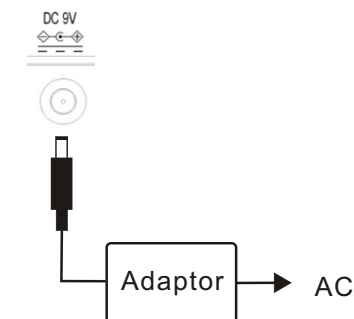
## Voice list

NO.	Voice	NO.	Voice	NO.	Voice	NO.	Voice
<b>Acoustic Base Drum</b>							
1	Acoustic BD	36	H. HCIs 6	73	Jazz SD 2	109	Stick 19
2	Standard BD 1	37	H. HCIs 7	74	Timpani SD 1	110	Stick 20
3	Standard BD 2	38	H. HCIs 8	75	Timpani SD 2	111	Stick 21
4	Funk BD 1	39	H. HCIs 9	76	1971' sSD	112	Stick 22
5	Funk BD 2	40	H. HCIs 10	<b>Electronic Snare</b>		113	Stick 23
6	BD Std 1	41	H. HCIs 11	77	Syn-SD 1	114	Stick 24
7	BD Std 2	42	H. HCIs 12	78	Syn-SD 2	115	Stick 25
8	Room BD 1	43	H. HCIs 13	79	Syn-SD 3	116	Stick 26
9	Room BD 2	44	H. HCIs 14	80	Syn-SD 4	117	Stick 27
10	Room BD 3	45	H. HCIs 15	81	Syn-SD 5	118	Stick 28
11	Rock BD 1	46	H. HCIs 16	82	Syn-SD 6	119	Stick 29
12	Rock BD 2	47	H. HCIs 17	83	Syn-SD 7	120	Stick 30
13	Jazz BD 1	48	H. HCIs 18	84	Syn-SD 8	<b>Acoustic Tom</b>	
14	Jazz BD 2	49	RK HHClS 1	85	Traditional SD 1	121	Tom-A 1
15	Timpani BD	50	RK HHClS 2	86	Traditional SD 2	122	Tom-A 2
16	Big Drum	51	RK HHClS 3	87	House SD	123	Tom-A 3
17	1971's BD	52	RK HHClS 4	88	Pop SD	124	Tom-A 4
18	1971's BD	53	RK HHClS 5	89	Dance-SD 1	125	Tom-A 5
19	1971's BD	54	RK HHClS 6	90	Dance-SD 2	126	Tom-A 6
20	1971's BD	55	RK HHClS 7	<b>Acoustic Snare</b>		127	Tom-A 7
21	1971's BD	56	Ana HhClS 1	91	Stick 1	128	Tom-A 8
22	1971's BD	57	Ana HhClS 2	92	Stick 2	129	Tom-A 9
23	1971's BD	58	Ana HhClS 3	93	Stick 3	130	Tom-A 10
24	1971's BD	59	Ana HhClS 4	94	Stick 4	131	Tom-A 11
25	1971's BD	60	Ana HhClS 5	95	Stick 5	132	Tom-A 12
26	1971's BD	61	Acoustic SD	96	Stick 6	133	Tom-A 13
27	1971's BD	62	SDD-SD 1	97	Stick 7	134	Tom-A 14
28	1971's BD	63	SDD-SD 2	98	Stick 8	135	Tom-A 15
29	1971's BD	64	Funk SD 1	99	Stick 9	136	Tom-A 16
30	1971's BD	65	Funk SD 2	100	Stick 10	137	Tom-A 17
31	1971's BD	66	SD-Ana 1	101	Stick 11	138	Tom-A 18
32	1971's BD	67	SD-Ana 2	102	Stick 12	139	Tom-A 19
33	1971's BD	68	SD-Ana 3	103	Stick 13	140	Tom-A 20
34	1971's BD	69	SD-Ana 4	104	Stick 14	141	Tom-A 21
35	1971's BD	70	Rock SD 1	105	Stick 15	142	Tom-A 22
36	1971's BD	71	Rock SD 2	106	Stick 16	143	Tom-A 23
37	1971's BD	72	Jazz SD 1	107	Stick 17	144	Tom-A 24
38	1971's BD	73	Jazz SD 1	108	Stick 18	145	Tom-A 25

## CONNECTIONS

### Power jack

1. first, please confirm that power switch is at "OFF" state;
2. Insert plugs of adaptor in power socket;
3. Insert AC output end of adaptor in power jack.



### Phone jack

Insert headphone plug in [PHONE] jack of this drum.



### Amplifier jack

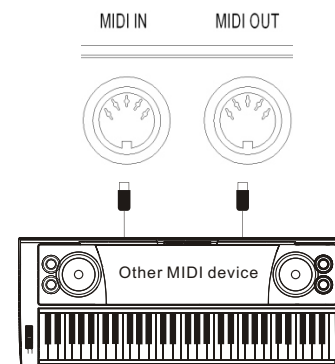
insert amplifier plug in audio out channel jack.

OUT



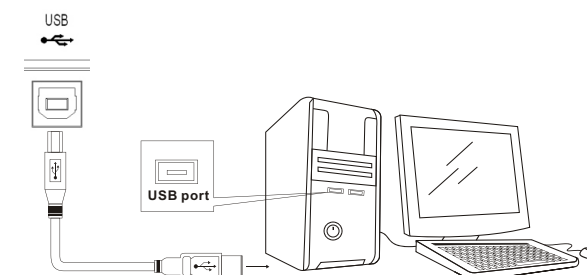
### MIDI IN/OUT jacks

Transfer data between this drum and music instruments equipped with MIDI jack.



### USB port

Using USB cable to connect this drum with PC.



## Assembly Instruction

Standard:

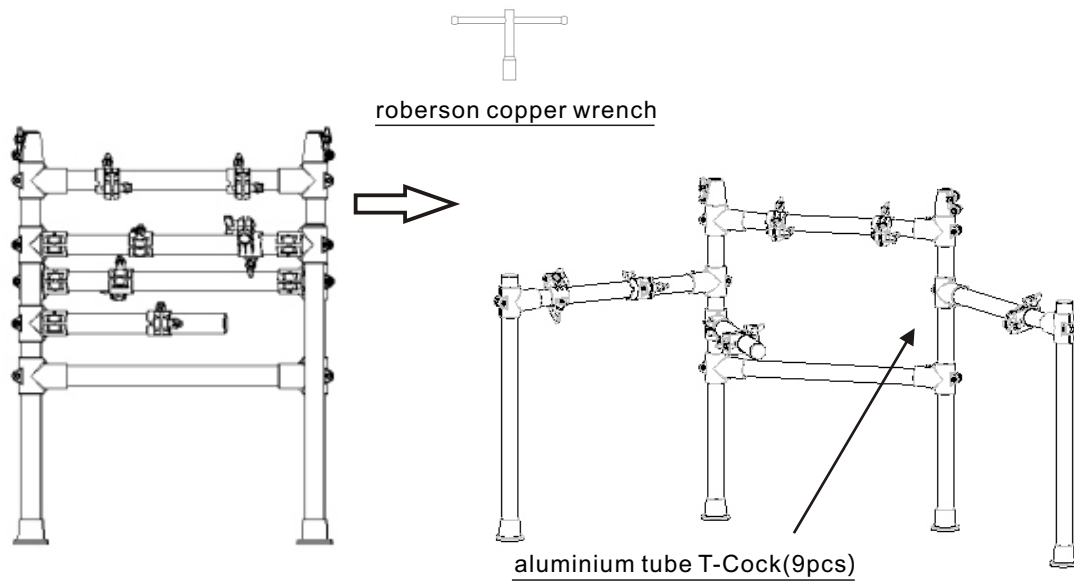
Standard: SNARE drum,TOM1-3 drum,KICK drum,CRASH1,RIDE,HIHAT,HIHAT CONTROL

PEDAL ,among them , SNARE drum and TOM1-3 drum both are stereophonic.

Input is supporting double trigger(with edge strike response); Cymbals(including HIHAT, RIDE and CRASH1) are with stereo input. It has damper function but no edge strike response; KICK Drum is mono input; Pedal is with stereo input, with SPLASH function, HIHAT is with three state of Open ,half-open and closed.

Extensible setting :CRASH2,TOM4).

1. Using roberson copper wrench as bundled to unscrew the joint of aluminum tube T-Cock, Unfold and adjust the pipes of drum set to suitable position, and then tighten up the screws;



## Song list

NO.	Song	NO.	Song	NO.	Song
1	Guitar Funk	8	R&B	15	6/8 R&B
2	Fusion1	9	Pop 8Beat	16	Pop2
3	Folk Pop	10	Dance	17	Jazz Ballad
4	Rock	11	Slow Rock1	18	Ballad
5	Blues	12	Pop1	19	8Beat
6	House	13	Rock Pop1	20	Funk
7	Organ Funk	14	Jazz Ballad1	21	Waltz

## Drum kit list

NO.	Pre-set drum kit	NO.	Pre-set drum kit	NO.	Pre-set drum kit
1	Acoustic	11	Pop rock	21	hiphop
2	Standard 1	12	Jazz	22	Electronic 1
3	Standard 2	13	Jazz brush	23	Electronic 2
4	Funk 1	14	Timpani	24	Teckno
5	Funk 2	15	Songo	25	Traditional 1
6	Fusion	16	1971's	26	Traditional 2
7	Camco	17	Latin	27	House
8	Brush	18	Disco	28	Pop
9	Room	19	606	29	Dance
10	Rock	20	909	30	Power

## APPENDIX

### Specification

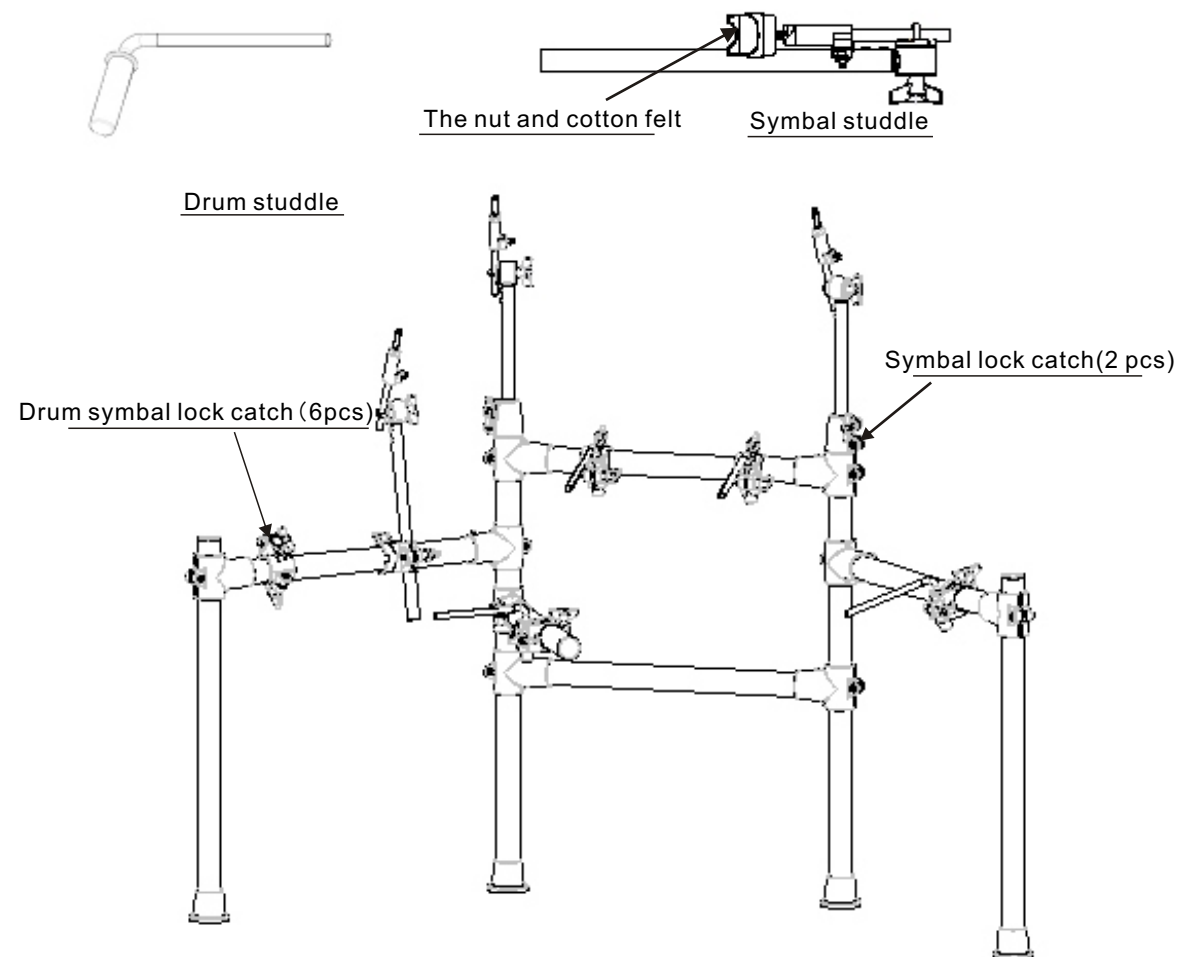
<b>Drum Configuration</b>	SNARE, TOMx3, KICK, CRASH, RIDE, HIHAT, PEDAL (HIHAT CONTROL PEDAL)
<b>Demo</b>	20 demo songs
<b>Kit</b>	30 pcs pre-set drum kit, 10 pcs user-defined drum kit
<b>Voice</b>	630 pcs percussion voice
<b>Function Controller</b>	start/stop, save, mode exchange, drum mute, metronome, utility, record, tempo, learn/play, demo, voice, drum kit 【<】 / 【>】 / 【^】 / 【v】 button and volume button
<b>Metronome</b>	2/4、3/4、4/4、5/4 and 6/8、10 pcs of voice
<b>Tempo</b>	40-250
<b>Record</b>	real time recording, could saving data when power cut
<b>Polyphony</b>	64
<b>Display</b>	LCD display, with back lighted
<b>Interface</b>	USB port(TYPE B) MIDI IN/OUT jacks TOM4 expansion jack(1/4 inches stereo headphone type) CRASH2 expansion jack(1/4 inches stereo headphone type)) Phones(1/8 inches stereo headphone type) Output(1/8 inches stereo headphone type) percussion pad connection jack(TYPE DB-25)
<b>Adapter</b>	DC9V 500mA
<b>Size of sound source (LxWxH)</b>	200x150x123(mm)
<b>Weight of sound moduler</b>	N.W: 500g
<b>Appendix</b>	1 pair of drum stick, 1 pc of manual, 1 pc of adapter, 1 pcs of roberson copper wrench, 1 set of percussion pad connection line

### Trouble Shooting

Problem	Possible cause and solution
Once 'Bo' sound comes out from this drum when power is on or off	Normal current impact noise
LCD can not display after power is on	Check whether power socket has power, connecting cable of adapter has disconnected or plugs has bad connection
Needful voice haven't been specified to Pad	User-defined drum kits haven't stored after settled. Press [STORE] button to store them
Headphone or amplifier doesn't sound/ Low volume	Check whether amplifier power was on or too low volume was setted, Audio connecting cable has disconnected or plug has bad connection, too low volume of this drum was setted.
Song without accompaniment	Check whether master volume, accompaniment setting was too low, Please adjusted it to suitable volume.

## Assembly Instruction

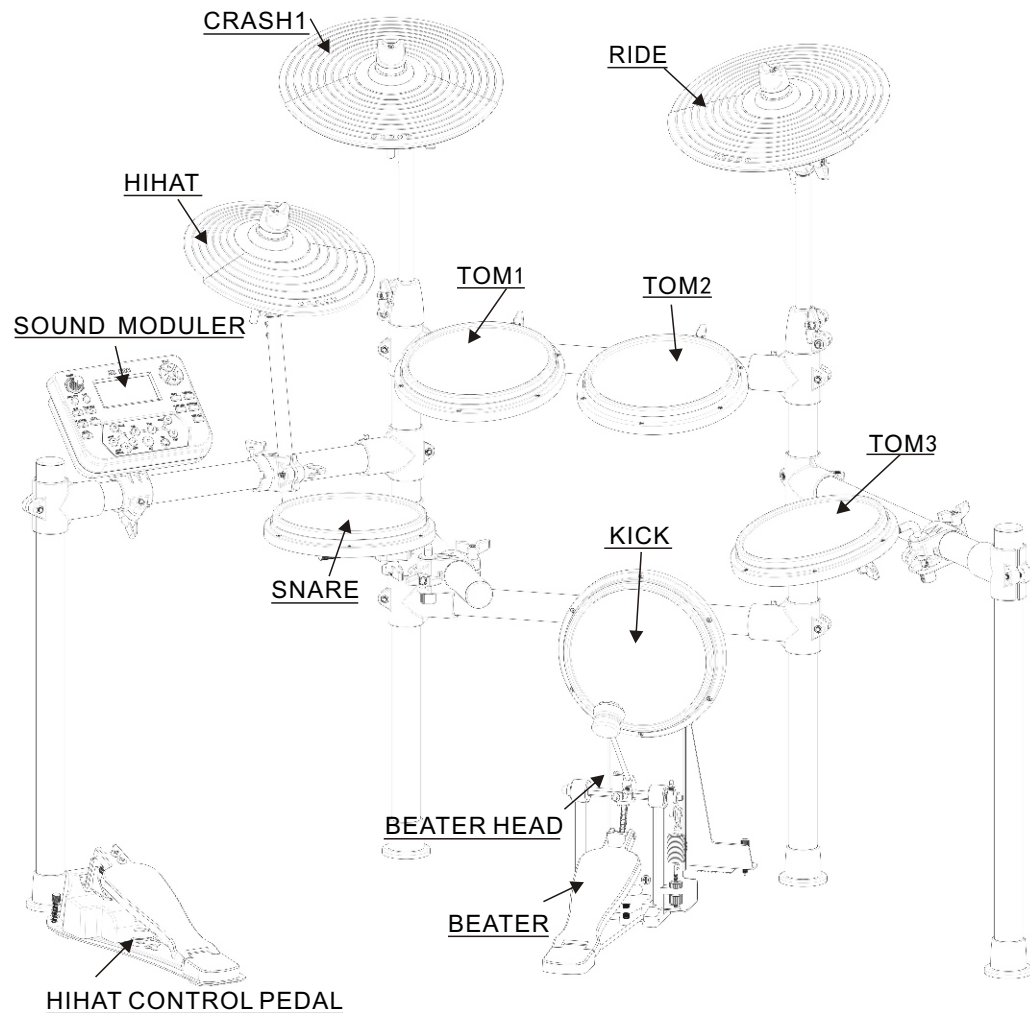
2. Unscrew drum symbol lock catch, move drum symbol lock catch to suitable position then fasten them; assemble drum studdle and symbol studdle (first unscrew the nut which lock the symbol and cotton felt, fasten them after installing the symbols);



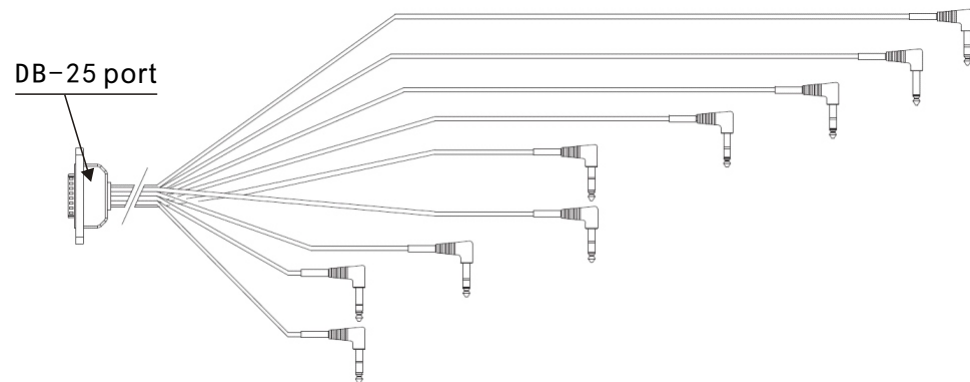
3. Unscrew drum symbol lock catch, fasten them after installing sound moduler and drum pads, unscrew the nut which lock the symbol, fasten them after setting up symbols, fasten the beater head to the beater, compress KICK drum to the beater, and then put it with pedal at appropriate place;



## Assembly Instruction



4. Plug the percussion pad connection line(DB-25) to sound moduler, the other end(sign pipe was marked near the plug)respectively connect to each drum Pad (SNARE,TOM1~3,KICK, CRASH1,RIDE,HIHAT and PEDAL) .



Tips:To avoid the noise affecting others when move the pedal or KICK drum,can put a drum pad or any other antiskid or damping material under the pedal or KICK drum.

LEARN  
REC OFF

Play back of test recording

1. Press **【PLAY/LEARN】** button for 3 seconds, you will hear the test content playback ,LCD screen display as below picture:

LEARN  
PLAY ON

If no test content recording or empty content, LCD will display as follow and return to previous display;

LEARN  
PLAY EPY

2. Press **【START/STOP】** button,LCD screen display as follow picutre, then finish the recording playback.

LEARN  
PLAY OFF

## MIDI & USB CONNECTION

### About MIDI

MIDI(Full name:Musical Instrument Digital Interface) is digital interface,it is standard interface used for communication between electronic musical instrument(You only need to tunk tunes by drum stick,tunes can be changed for notes and recorded based on drum with interface and computer with essential software.These digitized sound can be revised and edited by computer as well.MIDI is computer musical language,and information exchange basis of electronic musical instrument.

### MIDI Connect

- 1.MIDI receive: Use MIDI Cable connect MIDI IN interface of this drum with MIDI OUT interface of other equipment.
- 2.MIDI transfer:Use MIDI cable connect MIDI OUT interface of this drum with MIDI IN interface of other equipments.

### USB Connect

1. Requirement to computer:

CPU:Pentium 2 300M above

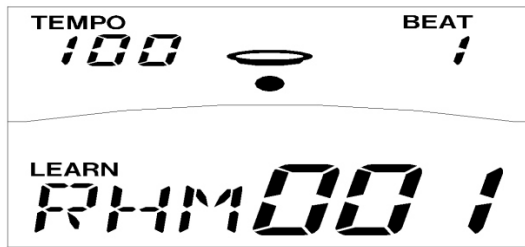
RAM:64M above

CD-ROM:CDROM 24X above

Operation:MICROSOFT WINDOWS 2000/XP/WINDOWS7

2. Connect Way

Use one standard USB cable connect USB port of rear board of this drum and USB port of computer.



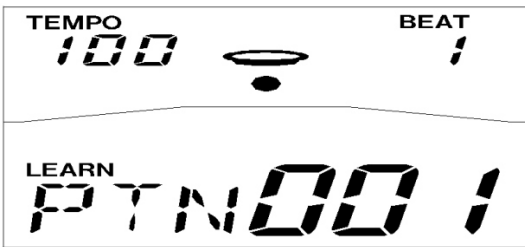
2. Press 【▲】/【▼】 button, choose the trap drum practice parameter which you want to learn, press 【<】/【>】 button, choose the parameter value;

trap drum practice parameter selection	Range of parameter	Pre-set display value
NO.	1 ~ 12	RHM 001
Level of difficulty	0 ~ 6	LEV 01
Drum volume	0 ~ 32	DRM 15

3. Press 【PLAY/LEARN】 button, start to play the trap drum practice that you choose, when playing the practice fragment, the corresponding light of percussion pad direct selection button will blink. If you want to stop practising, please press 【START/STOP】 button.

### Rhythm Practice

1. If currently you do not be at the menu of Rhythm practice, press 【KIT/RHYTHM】 button, change to Rhythm Practice menu, LCD display as follows:



2. Press 【<】/【>】 button, choose the rhythm practice parameter which you want to learn, press 【▲】/【▼】 button, choose the parameter value;

Rhythm practice parameter selection	Range of parameter	Pre-set display value
NO.	1 ~ 10	PTN 001
Level of difficulty	0 ~ 5	LEV 01
Accompaniment volume	0 ~ 32	ACC 15
Drum volume	0 ~ 32	DRM 15

3. Press 【PLAY/LEARN】 button, start to play the style practice that you choose, when playing the practice fragment, the corresponding light of percussion pad direct selection button will blink. If you want to stop practising, please press 【START/STOP】 button.

### Test & Score

If you want to test your practice schedule, in the learning mode, press 【START/STOP】 button to start test, LCD Screen display as below picture;

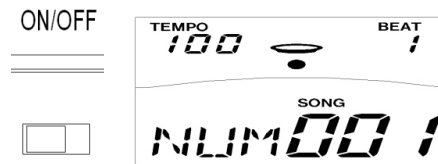


At the beginning of test, there will be a subsection preparation, then you can find the most accurate point-in-time. It is automatically recording during test (Native machine can only save one time test recording), facilitate users to play back to check; During the testing, press 【START/STOP】 button will stop the test, when internal storage is full, it will automatically stop testing, LCD display as below picture.

## PERFORMANCE

### Performance Preparation

1. Please connect each device as the picture shows;
2. Adjust the volume of this drum and amplifier (headphone) to minimum, push the power to 'ON' state, LCD display as below picture, turn on the power of amplifier;



3. Strike the pad and hear the sound, adjust the volume of this drum and amplifier until a comfortable volume level is reached.

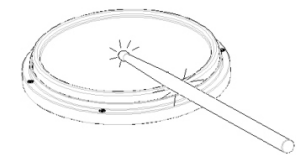
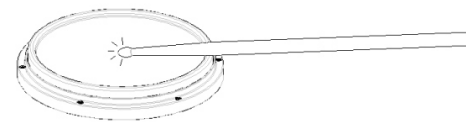
### Performance Method

Like as Natural Drum, electronic drum simulate different skills of beat, all the pads and symbols have the touch response.

Pad

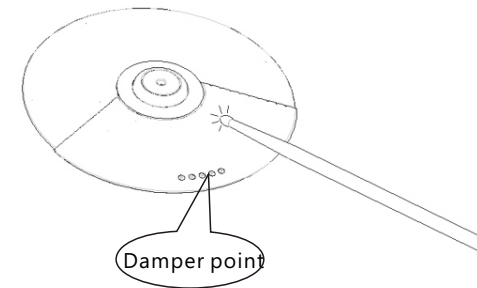
Face beat: beat the drum head

Edge beat: beat the edge of drum pad



Symbols

Face beat: beat the flat silica gel district of symbols  
damper: beat the face of symbols, then use your hand to pinch the damper point, and symbols will stop making sound.



HIHAT & PEDAL

With different position of pedal footboard, HIHAT make different voices:

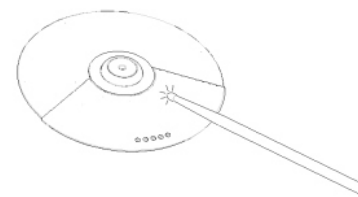
Voice of **Open Hi-Hat**: beat the face of HIHAT;

Voice of **Half-Open Hi-Hat**: step on the pedal footboard to the middle position, meanwhile beat the face of HIHAT;

Voice of **Closed Hi-Hat**: step on the pedal footboard to the bottom position and keep closed, meanwhile beat the face of HIHAT;

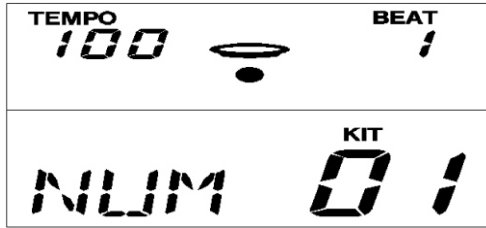
Voice of Pedal: step on the pedal footboard to the bottom position and keep closed;

Voice of Pedal Splash: step on the pedal footboard and release fast.



## Choice of Kits

Press **【KIT/RHYTHM】** button, enter the Kits menu, LCD display as below picture, press **【<】** / **【>】** button to choose your favorite kits;  
 30 sets pre-set kits( Kits 01-30 )  
 10 sets user kits( Kits 31-40 ), parameter district will display “U31-U40”

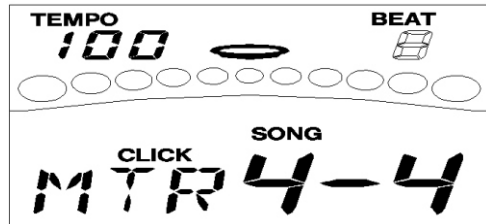


2. Press the drum direct selection button can pre listen this kits( trigger with fixed force);
3. Beat the drum pad to start play.

## Use of Metronome

You can do associated setting of metronome through **【METRONOME】** button. in the on state of metronome, if there is no further operation in 3 seconds, bottom of LCD screen will come back to the display before metronome setting, but the metronome indicating pellet will roll with current signature and speed( display as the top-left corner of LCD screen), metronome counter will continue to count.

1. Press **【METRONOME】** button, button light turns on, metronome will be started. LCD screen display current signature as below picture, metronome indicating pellet and counter will dynamically display;



2. Press **【<】** / **【>】** button, adjust signature, native machine is set up with 2/4、3/4、4/4、5/4 and 6/8 total 5 kinds of signature;
3. Press **【METRONOME】** button, button light will turn off, stop metronome playing and exit metronome.

## Tempo Adjustment

You can adjust the speed of metronome, speed of song playing and speed of practicing song in learning mode.

1. Press **【SPEED】** button, the top-left corner of LCD screen display current speed value as below picture.



2. Press **【<】** / **【>】** button, adjust current speed.
  3. meanwhile press **【<】** & **【>】** button, reset current speed to 120.
- Tips: without no operation, it will automatically exit speed adjustment state within 3 seconds.

## Performance recording

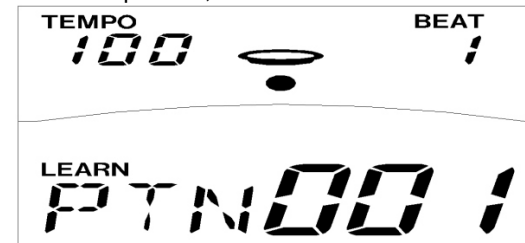
1. Press **【RECORD】** button, the button light turns on, bottom LCD screen display REC ON and hollow REC icon for 3 seconds, then, bottom LCD screen will come back to the display before recording, but REC icon will still keep;



## Learn Mode

### Learning Mode Profile

Learning mode can cultivate beginner's beat feeling, speed, accuracy and harmony of hand and foot using, native machine total has 42 pcs of practice, including 20 pcs of SNARE practice (style note practice); 12 pcs of drum kits practice (drum kit style practice), invided to 6 kinds of difficulty level; 10 pcs of style practice (drum kit with accompaniment practice), invided to 5 kinds of difficulty level. You can choose suitable song to practice, learning mode is split into three parts,  
 1) Practice: listen or practice the songs you want to learn;  
 2) Test: test on your learning content;  
 3) Playback: play back testing recording content. In normal mode, press **【MODE】** button, enter the Learning Mode, the light of button is on, LCD display as below picture;



### Beat Practice

1. If currently not in the beat practice menu, Press **【SONG/BEAT】** button, change to beat practice menu, LCD display as below picture;



2. Press **【^】** / **【v】** button, choose the parameter selection of beat practice that you want to learn, press **【<】** / **【>】** button, choose the parameter value;

Beat practice parameter selection	Range of parameter	Pre-set display value
NO.	1 ~ 20	BEA 001
Drum volume	0 ~ 32	DRM 15

3. Press **【PLAY/LEARN】** button, start to play the beat practice that you choose, the corresponding light of percussion board direct selection button will blink, during the follow learning, if your beating is right, the beating icon will display, accuracy will display GOOD, LCD screen display as below picture; If the beating is wrong, beating icon do not display, accuracy will display SLOW or FAST. If you want to stop practise, please press **【START/STOP】** button.



### Trap drum practice

1. If currently not in the trap drum menu, press **【VOICE/PATT】** button, change to trap drumt practice menu, LCD display as below picture;

Flip-flop performance parameter	Range of parameter	Pre-set display value
Crosstalk	1 ~ 16	CRO 02
Sensitivity	1 ~ 16	SEN 02
Velocity curve	1 ~ 6	CUR 02
Metronome parameter	Range of parameter	Pre-set display value
Metronome number	2/4, 3/4, 4/4, 5/4, 6/8	MTR4/4
Metronome volume	0~32	MTV15
Metronome voice	0~10	MTT01

4. Press [**<**] / [**>**] button,adjust current parameter value.

### Crosstalk

When two pads are mounted on the same stand, the vibration produced by hitting one pad may trigger the sound from another pad unintentionally, to avoid this interference,you can turn up the value of crosswalk of trigger, it should be noted that, please do not set the value too high, otherwise it will possibly cause by leaky, it means beat the adjacent two percussion pad, it will possibly cause leaky from which percussion pad is struck with less force.

### Sensitivity

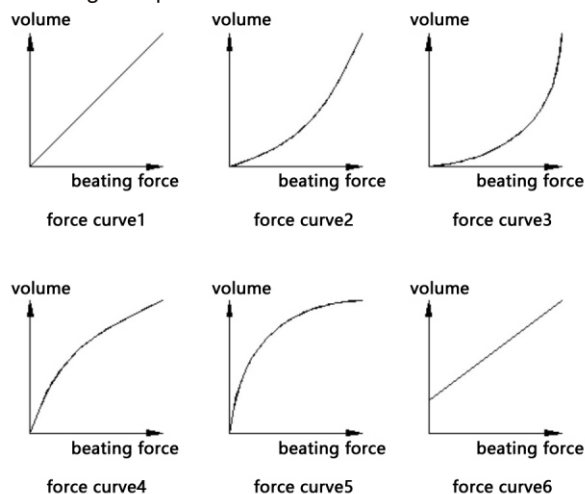
By adjusting this parameter ,it can dynamic control the volume effected by beat force. While value is high, the volume generated by beating percussion pad with the same force is higher; While value is low, the volume generated by striking percussion pad with the same force is lower.

### Velocity curve

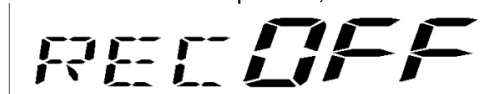
Velocity curve means the congruent relationship between the force of striking percussion pad and volume, by adjusting this parameter, it can make the touch response nature and steady.

### Trigger curve selection

Trigger curve 1: default setting, can produce the affection of the most nature and closest to original drum;  
 Trigger curve 2 and 3 : compare with trigger curve 1,a strong strike will produce a great change;  
 Compare with trigger curve 4 and 5 : compare to trigger curve 1,a soft strike will produce a great change;  
 Trigger curve 6: Changes made in response to the striking force are minor. When using drum triggers, these settings help maintain stable level.



2. Beat drum pad or press pad direct selection button, start to record;  
 3. press again [**RECORD**] button,the button light turns off,bottom LCD screen will display REC OFF as below picture,finish recording.



### Play Back of Recording

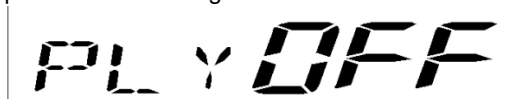
1. Press [**PLAY/LEARN**] button,play back your recording content,LCD screen display as below picture;



If there is no recording or empty content,then the LCD screen will display as below picture and return to the previous display;



2. During playing back, press [**START/STOP**] button,stop to play back,or after playing back, bottom LCD screen both display as below picture;if you do not satisfy your recording content, can record again,this native machine can only save one piece of recording,so please check previous recording is needed or not before start to record.



## Playing & Setting of Songs

### Choose songs and play

1.Press [**SONG/BEAT**] button,enter song menu,LCD screen display as below picture;



2. Press [**<**] / [**>**] button to set one number of song;  
 3. Press [**STAR/STOP**] button to start playing,press again [**START/STOP**] button,stop playing songs.

### Rhythm/Master Volume

1. In the state of song number,press [**^**] / [**v**] button,enter setting state of accompaniment volume,press [**<**] / [**>**] button to set accompaniment volume;  
 2. Press [**^**] / [**v**] button again,enter the setting state of master volume,press [**<**] / [**>**] button to set the master volume;  
 3. Press [**SONG/BEAT**] button again,or do not set new parameter in the state of rhythm/master volume within 3 seconds,then it will return to the state of setting of song number.

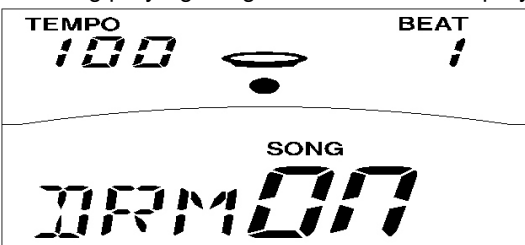
Song parameter	Range of parameter	pre-set display value
Song No.	1 ~ 20 (cycle exchange)	NUM001
Accompaniment volume	0 ~ 32	GMV15
Master volume	0 ~ 32	DRV20

## Drum mute of songs

1. Choose a song, press **【DRUM MUTE】** button, the button light turn on, mute the percussion instruments part of songs, LCD screen display as below picture;



2. Press **【START/STOP】** button to play songs, now there is no percussion during song playing;
3. Press **【DRUM MUTE】** button, the light button turns off, return to play percussion instruments during playing songs, LCD screen display as below picture;



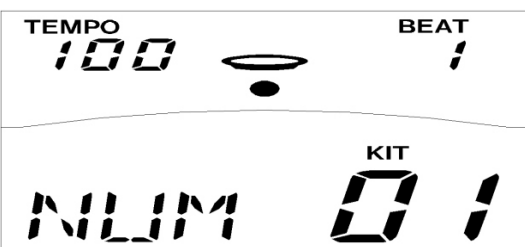
4. During the playing of songs, Press **【DRUM MUTE】** button, the button light turns on, then mute the percussion instruments of songs;

## Create Drum Kit

Through KIT menu, you can edit pre-set drum kit parameter or create user drum kit conveniently.

### Drum Kit Setting

1. Press **【KIT/RHYTHM】** button, enter into drum kit menu, LCD screen display as follow picture;

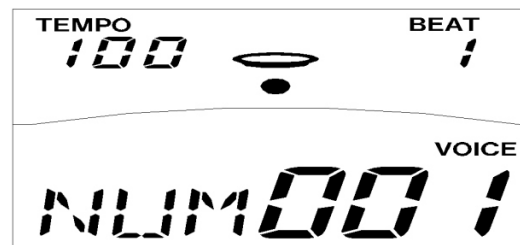


2. Press **【^】 / 【v】** button, change among kit number, kit volume, reverb, EQ-HI and EQ -LO effect;
3. Press **【<】 / 【>】** button, adjust current parameter items value.

Drum Kit parameter items	Range of parameter	Pre-set display value
Kit number	1~30 (Pre-set), 31~40 (user defined)	NUM 01
Kit volume	0~32	GPV 25
Reverb	ON/OFF	REV ON
EQH	-9~9	EQH 0
EQL	-9~9	EQL 0

## Percussion Pad Voice Setting

1. Press **【VOICE/PATT】** button, enter voice menu, LCD screen display as below picture;



2. Beat the percussion pad you want to edit or press the percussion direct selection button;
3. Press **【^】 / 【v】** button, change among voice number, volume, sound pan, reverb;

Voice parameter selection	Range	Pre-set display value
Voice Num.	1~420	NUM 001
Volume	0~32	LEV 25
Sound pad	-8~8	PAN 0
Reverb	0~32	REV 15

4. Press **【<】 / 【>】** button, adjust current parameter selection value.

## Drum kit save

1. When set the parameters of drum kit well, Press **【SAVE】** button, LCD screen display as below picture;



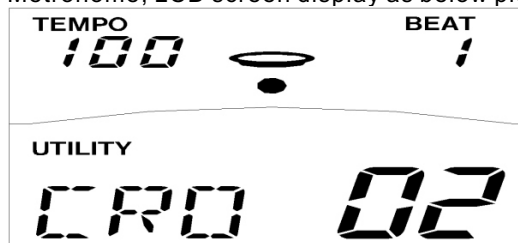
2. Press **【^】 / 【v】** button, choose the user kit NO. (U31-U40) that you want to save;
3. Press **【SAVE】** button again, LCD screen display as below picture, current setting will be saved to user kit;



## Trigger & Metronome Settings

### Setting of performance of trigger and value of Metronome

1. Press **【SET】** button, enter the setting menu of performance of trigger and value of Metronome, LCD screen display as below picture;



2. Beat the percussion pad you want to edit or press percussion pad direct selection button, then choose the trigger type you want to edit;
3. Press **【^】 / 【v】** button, change among crosswalk, sensitivity, velocity curve and metronome number & volume & voice;