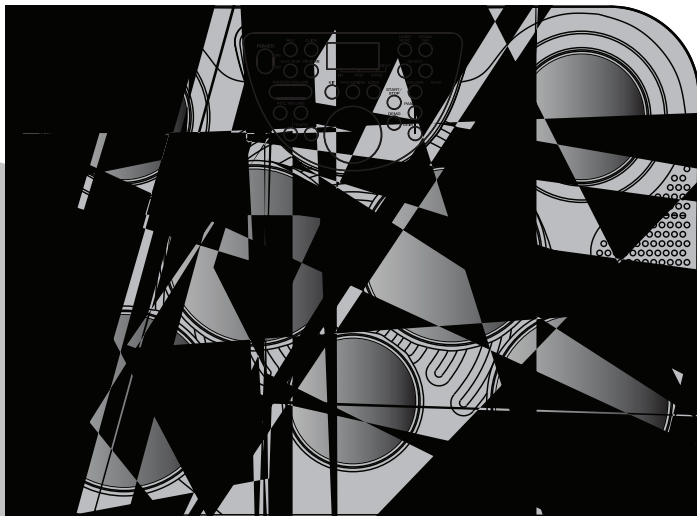


***Ashton***<sup>®</sup>

Designed in Australia



**EDP420**

**ELECTRONIC  
DRUM PAD**

***USER MANUAL***



# CONTENTS:

INTRODUCTION .....	1
PACK CONTENTS .....	1
SPECIFICATIONS .....	1
SETTING UP:	
POWER SUPPLY .....	2
USING HEADPHONES .....	2
TOP/REAR PANEL DESCRIPTION .....	3 - 4
OPERATION:	
SELECT A DRUM KIT .....	5
SET PAD VOICE .....	5
SET PAD VOLUME .....	6
SET PAD PAN .....	6
SET PAD GAIN .....	7
SAVE KIT .....	7
PLAY SONG .....	8
MASTER VOLUME .....	8
ACCOMPANIMENT VOLUME .....	8
DRUM OFF .....	8
TEMPO .....	9
METRONOME .....	9
HAND PERCUSSION .....	9
DEMO .....	9
REVERB .....	9
PLAYBACK .....	9
RECORD .....	10
INPUT AND OUTPUT:	
PEDALS .....	10
USB JACK .....	10
APPENDIX:	
VOICE LIST .....	11 - 12
KIT LIST .....	13
SONG LIST .....	13
SAFETY INFORMATION .....	14

# INTRODUCTION:

Ashton is designed in Australia by a team of industry experts that have years of experience in the development, design and production of musical instruments and equipment. Ashton's range of products are a result of years of development and careful testing. Every Ashton product is designed with value in mind and features the highest quality materials available.

We highly recommend that you read and understand the information in this manual before beginning use.

Enjoy,  


The Ashton Team

# PACK CONTENTS:

- 1 x EDP420 electronic drum pads main unit & power adapter
- 1 x Pair of drumsticks
- 2 x Pedals

# SPECIFICATIONS:

- 7 x electronic drum pads with touch sensitivity
- 2 x pedals (kick drum & hi-hat open/close)
- 1 x headphone output
- 1 x USB port (MIDI in/MIDI out)
- 25 preset drum kits
- 215 percussion voices
- 128 general MIDI voices
- 100 songs (80 styles & 20 songs)
- 1 demo track
- 1 track recording
- Built-in metronome with 2 different voices
- Weight: 3.3kg
- Includes a pair of drumsticks
- Dimensions: 50cm x 37cm x 15.7cm

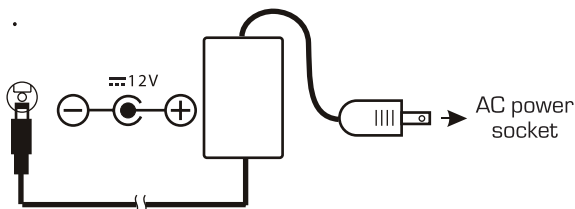
# SETTING UP:

## POWER SUPPLY

Your digital drum will run on either batteries or via a power adaptor. Follow the instructions below according to the power source you intend on using.

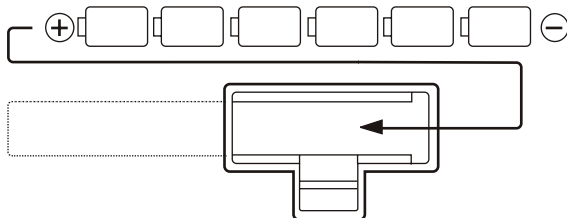
### USING AN AC ADAPTER:

Connect the adapter to the DC IN jack located on the rear panel of the unit and plug into power outlet. Do not use adapters other than what is specified. The technical specifications for the power adapter on the Ashton EDP420 is 12V DC.



### USING BATTERIES:

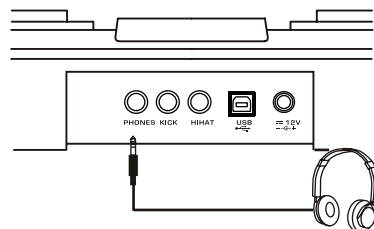
1. Open the battery compartment cover on the underside of the unit.
2. Insert 6 x alkaline "C" sized, R 14, SUM-2 or equivalent batteries. Use the polarity instructions (negative and positive guide).
3. Close the battery compartment.



# SETTING UP:

## USING HEADPHONES

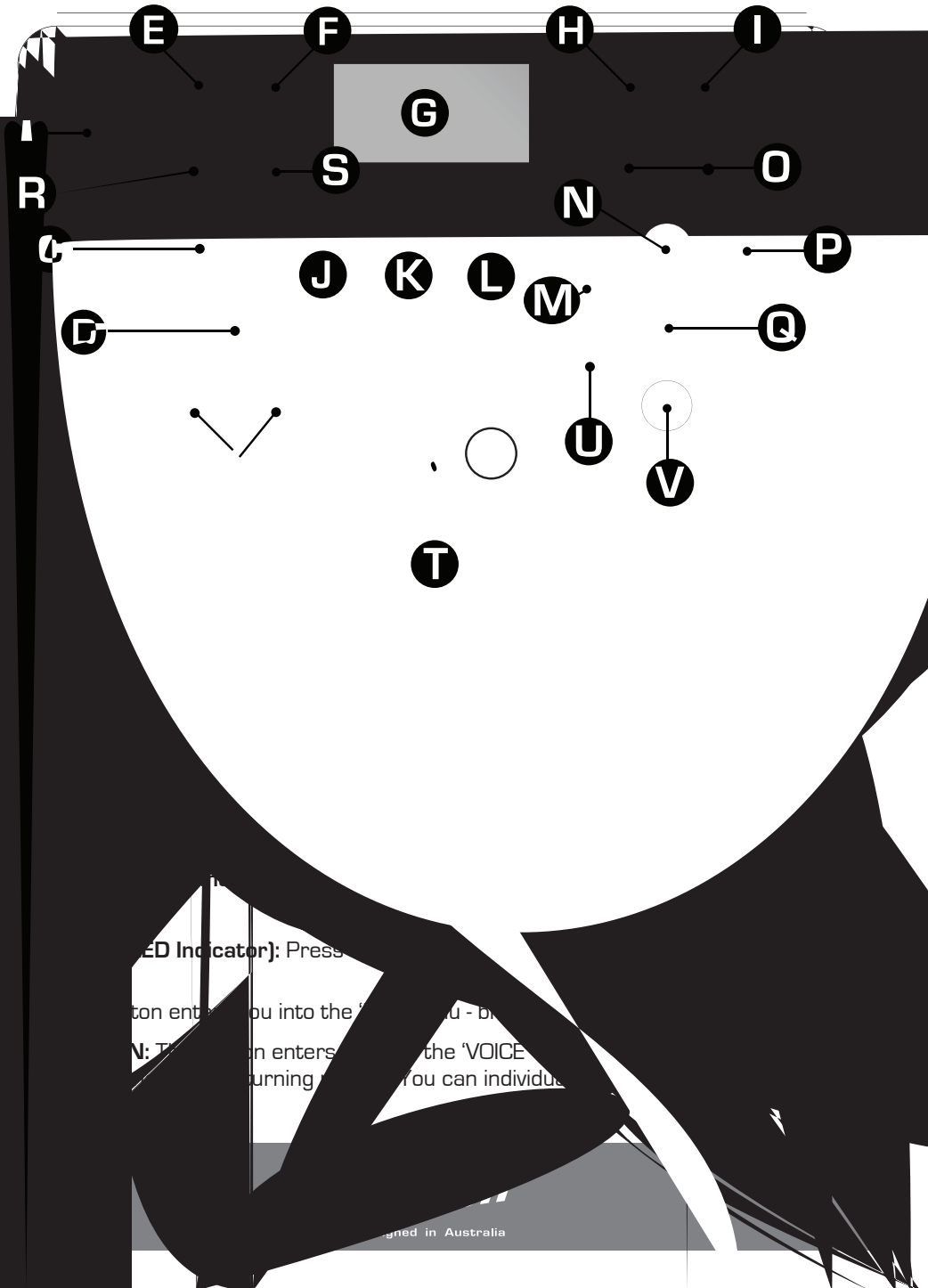
Alternative to using the internal speakers or an amplifier. You may choose to drum using headphones. To do this, simply connect a pair of headphones to the 1/4" stereo output jack located on the back panel of the unit (see back panel description). The headphone output may also be used to link the device to other external devices.



Note: the internal speakers on the device will cease to function once the device senses an input into the headphone output.

# DESCRIPTION:

TOP PANEL



...ED Indicator): Press  
...ton enters you into the ... -br  
...N: The ... enters ... the 'VOICE  
...urning ... you can individua

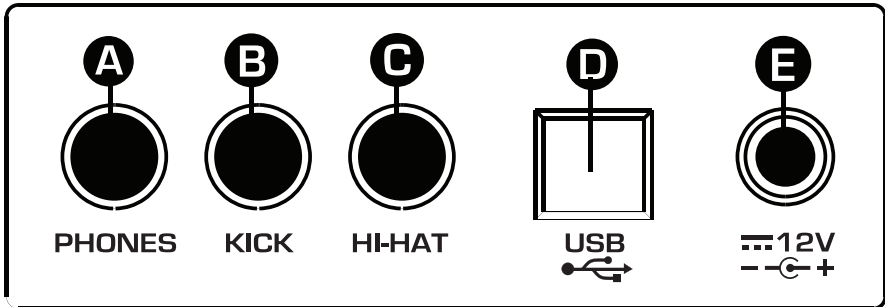
# DESCRIPTION:

## TOP PANEL

- L. SONG:** This button enters you into the 'SONG' menu - browse songs via the turning pad (T).
- M. START/STOP:** Press once to start or stop a song from playing.
- N. VOLUME:** This button can be used to change the volume of a pad.
- O. SELECT -/+:** These buttons act as an alternative to the tracking pad (T) you can manually select the voice/kit/song, etc that you want.
- P. SAVE:** Press once to save the current kit setting to a user (memory) kit.
- Q. PAN:** Press once to change the pan (left and right balance) of the pad.
- R. PLAY/STOP:** Press once to start or stop a recording replay.
- S. REVERB:** Press once to engage and subsequently increase the level of reverb.
- T. TRACKING PAD:** This is used to browse the index of kits/voices/songs, etc.
- U. DEMO:** Press once to start or stop the demo from playing.
- V. GAIN:** Press once to change the gain (intensity) of the pad.

# DESCRIPTION:

## REAR PANEL



- A. HEADPHONE OUTPUT:** For connection of headphone (1/4" stereo jack).
- B. KICK:** Input for kick pedal.
- C. HI-HAT:** Input for hi-hat pedal.
- D. USB:** Input for USB cable to link to external devices.
- E. POWER ADAPTOR INPUT:** Input for power adapter.

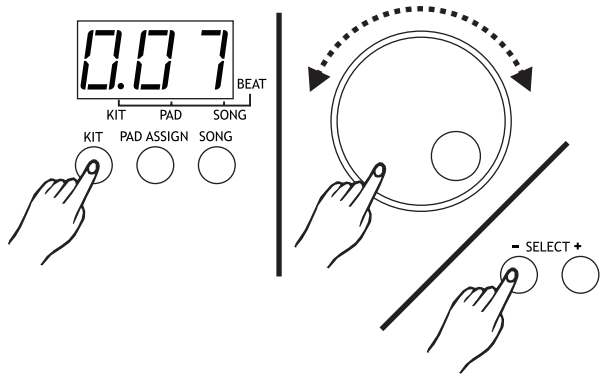
# OPERATION:

The following pages entail a detailed guide on how to use all functions of your Ashton EDP420, please refer to the rear/top panel descriptions on the previous pages to locate the buttons that each description is referring to.

## SELECT A DRUM KIT:

Kit menu is always set to the default menu 001 after the power is switched on.

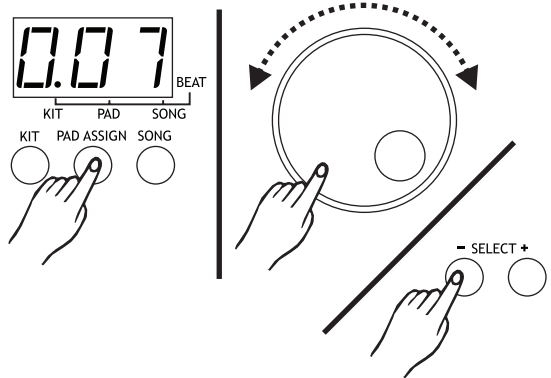
Press [KIT] button to enter the kit menu. The 3 - digit LED screen will show the current kit number with the corresponding menu indicator lit up. The button [SELECT +/-] or [TRACKING PAD] can be used to select any kit [1 - 30/loop] as the current kit.



## SET A PAD VOICE:

Press the [PAD ASSIGN] button once to enter the PAD ASSIGN menu. The default voice pad is the 'crash pad'.

To assign a voice to a pad, select a pad by either pressing the [PAD] button to search through all 7 pads or by hitting the pad you wish to assign a voice to. To choose a voice from the menu use the [SELECT +/-] buttons or [TRACKING PAD] to search the index of voices and assign a voice to the current pad.



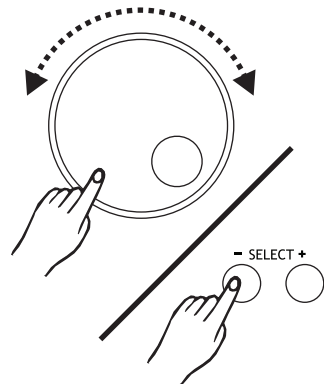
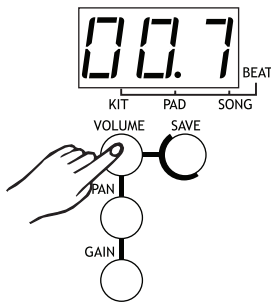


# OPERATION:

## SET A PAD VOLUME:

Press the [VOLUME] button once to enter the PAD ASSIGN (VOLUME) menu. The corresponding menu indicator should light up.

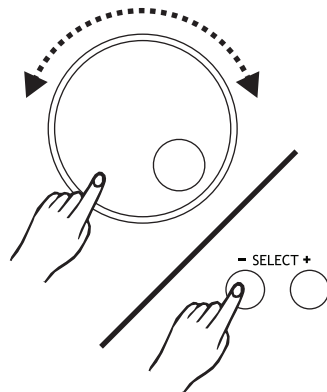
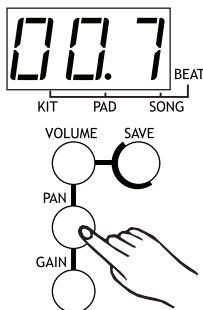
To assign a volume to a pad, select a pad by either pressing the [PAD] button to search through all 7 pads or by hitting the pad you wish to assign a voice to. To adjust the volume, use the [SELECT +/-] buttons or [TRACKING PAD]..



## SET A PAD PAN:

Press the [PAN] button once to enter the PAD ASSIGN (PAN) menu. The corresponding menu indicator should light up.

To adjust the pan of a pad, select a pad by either pressing the [PAD] button to search through all 7 pads or by hitting the pad you wish to assign a voice to. To adjust pad, use the [SELECT +/-] buttons or [TRACKING PAD].

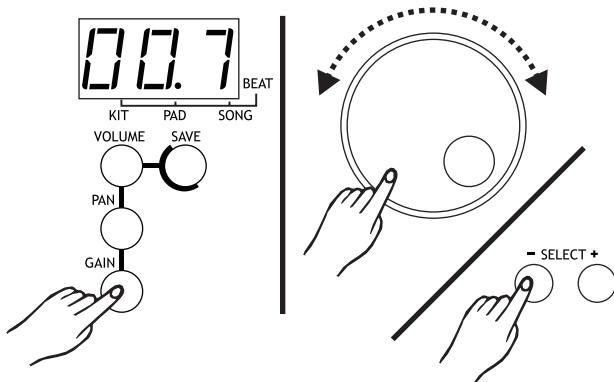


# OPERATION:

## SET A PAD GAIN:

Press the [GAIN] button once to enter the PAD ASSIGN (GAIN) menu. The corresponding menu indicator should light up.

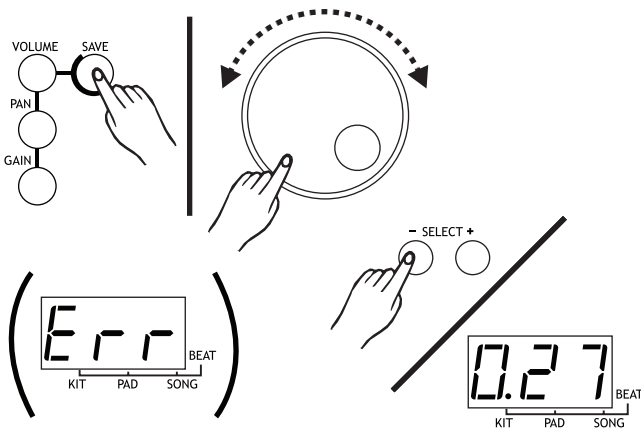
To adjust gain on a pad, select a pad by either pressing the [PAD] button to search through all 7 pads or by hitting the pad you wish to assign a voice to. To adjust the gain, use the [SELECT +/-] buttons or [TRACKING PAD]..



## SAVE KIT:

Press the [SAVE] button to enter the save kit menu. A user kit can be saved between 21 - 30 in the drum kit menu. You will need to select a number you wish to save the current kit as, use the [SELECT +/-] buttons or [TRACKING PAD] to do this.

To finalise saving the kit to the current selected number, press the [SAVE] button again. The EDP420 should quit to the kit menu and be set to the current kit if you have successfully saved the kit. Please note that an unsaved user kit will be lost if you change the kit.

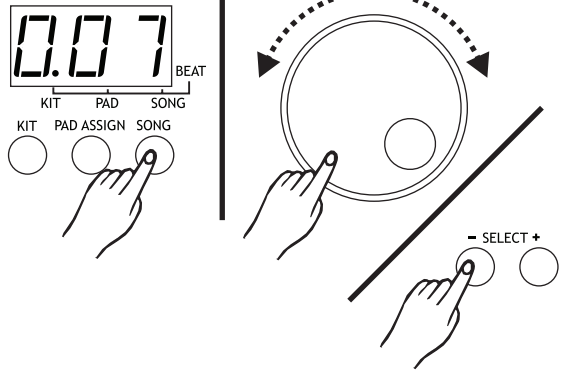


Note: If saving is failed due to an error an "ERR" will appear on the 3 - digit LED screen.

# OPERATION:

## PLAY SONG:

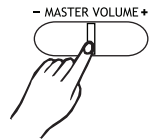
Press the [SONG] button once to enter the SONG menu. To select a song, use the [SELECT +/-] buttons or [TRACKING PAD]. The first 80 styles are looped when they finish and you can use the [START/STOP] buttons to start or stop them respectively.



Each song has its own default tempo and drum kit and these will be automatically set when the song is selected.

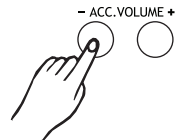
## MASTER VOLUME:

Use the [MASTER VOLUME +/-] buttons to adjust the main volume of the EDP420, The 3 - digit LED screen will read L and then two digits for volume [0 - 9].



## ACCOMPANIMENT VOLUME:

Use the [ACC VOLUME +/-] buttons to adjust the volume of the accompaniment, The 3 - digit LED screen will read A and then two digits for volume [0 - 9].



## DRUM OFF:

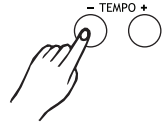
Pressing the [DRUM OFF] button will enable or disable the drum off function when a song is playing. If drum off is enabled, the drum voice will be turned off and the drum off indicator will light up. This function is useful for practise.



# OPERATION

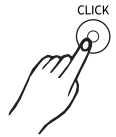
## TEMPO:

Press any of the [TEMPO +/-] buttons to enter the tempo menu. Use either button to make the tempo faster or slower respectively (30 - 280BPM). Pressing both buttons together will set the tempo to the current song default.



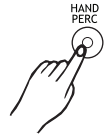
## METRONOME:

The metronome will automatically engage when a song is playing but with only the indicator flashing. Press the [CLICK] button once for human counting, twice for metronome sound and again to turn the metronome function off.



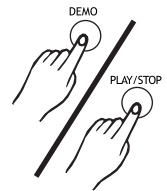
## HAND PERCUSSION:

Press the [HAND PERC] button to enter the hand percussion mode. This will automatically take you to: SONG [5] and KIT NUMBER [21].



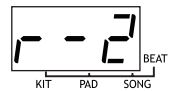
## DEMO:

Press the [DEMO] button to start or stop the demo song from playing. The LED screen will display "dE". You may also use the [PLAY/STOP] button to start or stop the demo song.



## REVERB:

Press the [REVERB] button to enter the reverb function. There are 4 reverb settings (0 - NONE, 1, 2 & 3).



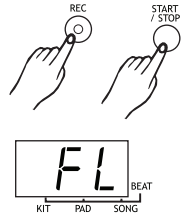
## PLAYBACK:

Press the [PLAY/STOP] button to start or stop a recorded song from playing.

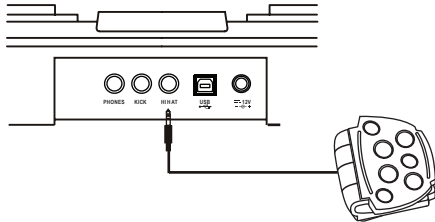
# OPERATION

## RECORD:

1. Prepare to record by selecting the desired song, drum kit, tempo, drum off setting and reverb setting.
2. Start recording by pressing the (REC) button, the LED light behind the button will start flashing to indicate you are ready to start recording. Hit the (START/STOP) button to start or stop recording.
3. If "FL" appears on the screen, the memory is full and you have been recording for too long.



# INPUT & OUTPUT:



## PEDALS:

The two pedals you can attach have been provided. There is a kick and a hi-hat pedal that can be connected to the back of the EDP420.

## USB JACK:

The EDP420 will output all the MIDI information generated by hitting the pads or stepping on the pedal via the MIDI output connector. It can also receive MIDI data from an external device.

# VOICE LIST

## KICK KIT

001. Rock Kick 001  
002. Rock Kick 002  
003. Rock Kick 003  
004. Standard Kick 001  
005. Standard Kick 002  
006. Standard Kick 003  
007. Standard Kick 004  
008. Pop Kick 001  
009. Pop Kick 002  
010. Pop Kick 003  
011. Acoustic Kit 001  
012. Acoustic Kit 002  
013. Acoustic Kit 003  
014. Acoustic Kit 004  
015. Acoustic Kit 005  
016. Acoustic Kit 006  
017. Acoustic Kit 007  
018. Acoustic Kit 008  
019. Acoustic Kit 009  
020. Acoustic Kit 010  
021. Acoustic Kit 011

## SNARE KIT

022. Standard Snare 001  
023. Standard Snare 002  
024. Standard Snare 003  
025. Standard Snare 004  
026. Standard Snare 005  
027. Standard Snare 006  
028. Brush Snare 001  
029. Brush Snare 002  
030. Standard Stick 001  
031. Standard Stick 002  
032. Rock Snare 001  
033. Rock Snare 002  
034. Rock Snare 003  
035. Pop Snare 001  
036. Pop Snare 002  
037. Pop Snare 003  
038. Acoustic Snare 001  
039. Acoustic Snare 002

## SNARE KIT (continued)

040. Acoustic Snare 003  
041. Acoustic Snare 004  
042. Acoustic Snare 005

## TOM KIT

043. Standard Tom 001  
044. Standard Tom 002  
045. Standard Tom 003  
046. Standard Tom 004  
047. Standard Tom 005  
048. Standard Tom 006  
049. Room Tom 001  
050. Room Tom 002  
051. Room Tom 003  
052. Room Tom 004  
053. Room Tom 005  
054. Room Tom 006  
055. Electronic Tom 001  
056. Electronic Tom 002  
057. Electronic Tom 003  
058. Electronic Tom 004  
059. Electronic Tom 005  
060. Electronic Tom 006  
061. Analog Tom 001  
062. Analog Tom 002  
063. Analog Tom 003  
063. Analog Tom 004  
065. Analog Tom 005  
066. Analog Tom 006  
067. Acoustic Tom 001  
068. Acoustic Tom 002  
069. Acoustic Tom 003  
070. Acoustic Tom 004  
071. Acoustic Tom 005  
072. Acoustic Tom 006

## HI-HAT KIT

073. Standard Hi-Hat Closed  
074. Standard Hi-Hat Pad  
075. Standard Hi-Hat Open  
076. Analog Hi-Hat Closed

## HI-HAT KIT (continued)

077. Analog Hi-Hat Pan  
078. Analog Hi-Hat Open  
079. Shakable  
080. Rock Hi-Hat Closed  
081. Rock Hi-Hat Pan  
082. Rock Hi-Hat Open  
083. Acoustic Hi-Hat Closed  
084. Acoustic Hi-Hat Pan  
085. Acoustic Hi-Hat Open

## CRASH KIT

086. Standard Crash 001  
087. Standard Crash 002  
088. Standard Crash 003  
089. Analog Ride 001  
090. China Crash  
091. Splash 001  
092. Standard Ride 001  
093. Rock Crash  
094. Standard Ride 002  
095. Electronic Crash  
096. Splash 002  
097. Ride Bell

## PANEL KIT

098. Vibraslap  
099. Hand  
100. Tambourine  
101. Standard Cowbell  
102. Mute Cowbell  
103. Mute Hi Conga  
104. Open Hi Conga  
105. Low Conga  
106. High Bongo  
107. High Bongo  
108. High Timbale  
109. Low Timbale  
110. High Agogo  
111. Low Agogo  
112. Cabasa  
113. Shaker

# VOICE LIST

## PANEL KIT (continued)

- 114. Claves
- 115. Mute Triangle
- 116. Open Triangle
- 117. Short Guiro
- 118. Long Guiro
- 119. Mute Cuica
- 120. Open Cuica
- 121. Mute Surdo
- 122. Open Surdo
- 123. Maracas
- 124. HighQ
- 125. Slap
- 126. Scratch Push
- 127. Scral
- 128. One
- 129. Two
- 130. Three
- 131. Four
- 132. Cartoon 001
- 133. Cartoon 002
- 134. Cartoon 003
- 135. Cartoon 004
- 136. Cartoon 005
- 137. Cartoon 006
- 138. Laugh
- 139. Metronome 1
- 140. Metronome 2
- 141. Tambourine 001
- 142. Tambourine 002
- 143. Tambourine 003
- 144. Tambourine 004
- 145. Tambourine 005

## SFX KIT

- 146. SFX 001
- 147. SFX 002
- 148. SFX 003
- 149. SFX 004
- 150. SFX 005
- 151. SFX 006
- 152. SFX 007

## SFX KIT (continued)

- 153. SFX 008
- 154. SFX 009
- 155. SFX 010
- 156. SFX 011
- 157. SFX 012
- 158. SFX 013
- 159. SFX 014
- 160. SFX 015
- 161. SFX 016
- 162. SFX 017
- 163. SFX 018
- 164. SFX 019
- 165. SFX 020
- 166. SFX 021
- 167. SFX 022
- 168. SFX 023
- 169. SFX 024
- 170. SFX 025
- 171. SFX 026
- 172. SFX 027
- 173. SFX 028
- 174. SFX 029
- 175. SFX 030
- 176. SFX 031
- 177. SFX 032
- 178. SFX 033
- 179. SFX 034
- 180. SFX 035
- 181. SFX 036
- 182. SFX 037
- 183. SFX 038
- 184. SFX 039
- 185. SFX 040
- 186. SFX 041
- 187. SFX 042
- 188. SFX 043
- 189. SFX 044
- 190. SFX 045
- 191. SFX 046
- 192. SFX 047
- 193. SFX 048

## SFX KIT (continued)

- 194. SFX 049
- 195. SFX 050
- 196. SFX 051
- 197. SFX 052
- 198. SFX 053
- 199. SFX 054
- 200. SFX 055
- 201. SFX 056
- 202. SFX 057
- 203. SFX 058
- 204. SFX 059
- 205. SFX 060
- 206. SFX 061
- 207. SFX 062
- 208. SFX 063
- 209. SFX 064
- 210. SFX 065
- 211. SFX 066
- 212. SFX 067
- 213. SFX 068
- 214. SFX 069
- 215. SFX 070

# KITS LIST:

001. Pop 1  
002. Pop 2  
003. Standard 1  
004. Room  
005. Rock  
006. Electronic  
007. Analog  
008. Jazz 1  
009. Brush  
010. Standard 2

011. Rock 2  
012. Boss  
013. Rock 3  
014. Standard 3  
015. Rock 4  
016. Jazz 2  
017. Funk  
018. Clave  
019. Drum Bass  
020. Hip Hop

021. Conga 1  
022. Conga 2  
023. Timbales  
024. Latin  
025. Funk  
026. User 1 (pop 1)  
027. User 2 (pop 2)  
028. User 3 (Standard 1)  
029. User 4 (Room)  
030. User 5 (Rock 1)

# SONG LIST:

All songs are in 4/4 time signature.

#	KIT	NAME
<b>INTRO</b>		
01	01	Intro
<b>8 BEAT</b>		
02	03	8 Beat 2
03	02	8 Beat 3
04	05	8 Beat 4
05	21	8 Beat 5
06	21	8 Beat Ballad 1
07	21	8 Beat Ballad 2
08	01	8 Beat Ballad 3
09	03	Soft Rock
10	04	Rock 1
11	05	Rock 2
12	03	Rock 3
13	01	Rock 4
14	02	Rock 5
15	05	Hard Rock 1
16	05	Hard Rock 2
17	07	16 Beat 1
18	03	16 Beat 2
19	01	16 Beat 3
20	07	16 Beat 4
21	04	16 Beat 5
22	02	16 Beat 6
23	01	16 Beat 7
24	21	16 Beat Ballad 1
25	21	16 Beat Ballad 2
26	05	16 Beat Ballad 3
27	03	16 Beat Ballad 4

#	KIT	NAME
28	01	16 Beat Ballad 5
29	03	16 Beat Funk 1
30	01	16 Beat Funk 2
<b>DANCE</b>		
31	07	Dance 1
32	07	Dance 2
33	01	Dance 3
34	06	Dance 4
35	04	Dance 5
36	07	Dance 6
<b>RAP</b>		
37	03	Rap 1
38	01	Rap 2
39	03	Rap 3
<b>BOUNCE</b>		
40	04	Bounce 1
41	03	Bounce 2
42	01	Bounce 3
<b>SHUFFLE</b>		
43	03	Shuffle 1
44	02	Shuffle 2
45	03	Shuffle 3
46	01	Shuffle 4
47	05	Shuffle 5
48	04	Shuffle 6
49	03	Shuffle 7
<b>SLOW ROCK</b>		
50	03	Slow Rock 1
51	04	Slow Rock 2

#	KIT	NAME
52	01	Slow Rock 3
53	04	Slow Rock 4
<b>LATIN</b>		
54	03	Reggae 1
55	23	Reggae 2
56	12	Bossa Nova 1
57	12	Bossa Nova 2
58	03	Samba
59	01	Salsa
60	03	Latin Rock
61	03	Cha-Cha
62	12	Mambo
63	12	Rhumba 1
64	12	Rhumba 2
65	12	Rhumba 3
66	01	Tango
<b>SWING</b>		
67	09	Swing 1
68	09	Swing 2
69	08	Swing 3
<b>OTHERS</b>		
70	12	Waltz
71	02	3/4 Ballad
72	03	Swing Blues
73	02	Blues
74	01	March 1
75	01	March 2
76	03	R & B
77	01	Hip-Hop

#	KIT	NAME
78	03	Funk
79	12	Country
80	09	Big Band
<b>8 BEAT</b>		
81	03	8 Beat 1
82	05	8 Beat 2
83	03	Ballad
84	05	Hard Rock 1
85	05	Hard Rock 2
86	01	Hard Rock 3
87	03	Pop Dance 1
88	07	Pop Dance 2
89	03	R & B
<b>16 BEAT</b>		
90	01	16 Beat
91	03	Fusion
<b>FUNK</b>		
92	02	Funk 1
93	03	Funk 2
<b>SHUFFLE</b>		
94	04	Shuffle 1
95	03	Shuffle 2
96	03	16 Beat Shuffle
97	01	16 Beat Triplet
<b>OTHERS</b>		
98	03	Reggae
99	12	Bossa Nova
100	08	Big Band



# SAFETY INFORMATION:

INSTRUCTIONS RELATING TO RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.  
WARNING!

When using any electronic product basic precautions should always be followed, including the following:

1. Read all the safety and installation instructions and explanations of graphic symbols before using the products.
2. This product must be earthed. In the unlikely malfunction or breakdown, grounding provides a path of least resistance for electronic current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be connected to an appropriate outlet that is properly installed and earthed in accordance with all local codes and ordinances. **DANGER:** Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service professional if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product. If it will not fit the outlet, have a proper outlet installed by a qualified technician.
3. To reduce the risk of injury, close supervision is necessary when this product is used, especially near children
4. Do not use this product near water, eg, near a bathtub, sink, in a wet basement, or near a swimming pool.
5. This product, 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
6. This product should be installed in a location that provides adequate ventilation.
7. This product should be located away from heat sources such as radiators, heat registers, or other products that produces heat
8. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
9. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time. When unplugging the power supply cord, do not pull on the cord but grasp it by the plug.
10. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
11. The product should only be serviced by qualified service personnel when:
  - A. The power-supply cord or the plug has been damaged
  - B. Objects have fallen on, or liquid has been spilled into the product
  - C. The product has been exposed to rain or moisture
  - D. The product does not appear to be operating normally, or exhibits a marked change in performance
  - E. The product has been dropped or the cabinet damaged
12. Do not attempt to service the product beyond that described in the manual instructions. All other servicing should be referred to qualified service personnel.
13. **WARNING !** Do not place objects on products, the power cord or place it in a position where anyone could trip over, walk on or roll anything over it. Do not allow the any part of the product to rest on or be installed over power cords of any type. Improper installations of this type create the possibility of fire hazard and/or safety hazard.



***Ashton***<sup>®</sup>

**Designed in Australia**

[info@ashtonmusic.com.au](mailto:info@ashtonmusic.com.au)



See the full range at  
**[www.ashtonmusic.com](http://www.ashtonmusic.com)**