Operation Instruction

ARK-528

Appendix V. Technical Specifications

Carried Standard
· GB/8898-2011
· GB13837-2012、GB17625. 1-2012

Display
· LED Display

Voice
· 100 kinds of voice

Style
· 100 kinds of auto accompaniment

Demo
· 12pcs Demo

Effect Control
· Sustain, Vibrato, Transpose

Record and program
· Record, Play, Program

Percussion
· 8 kinds of panel percussion

Accompaniment Control
· Start/Stop, Sync, Fill-in, Tempo control, Metronome

Chord Control
· Single Finger, Fingered Chord, Chord Close

Intelligent Teaching
· Demo, A and B two kinds of teaching function

Other Control
· Power Switch, Master Volume Control, Accompaniment Volume Control

External Jacks
· DC 9V, Microphone out, Left and Right Audio out

Diaposon
· C2~F6

Intonation
· ≤3 cents

Specification
· 850X330X120(mm)

N. W.
· 5. 4Kg

Power Adaptor
· DC 9V 300mA

DC Input
· DC 9V

Output Power
· 6W

Quiescent Current
· 100mA

Accessories were equipped with electronic keyboard
· Power Adaptor, Music Stand, Operation Instruction

Appendix III Demo Table

No.	Song Name	No.	Song Name
00	For ilise	06	American patrol
01	Radeski March	07	Red river valley
02	Mozart Piano Sonatas	08	Green sleeves
03	The Toreador's Song	09	Hawthorn
04	Turkish March	10	Susanna
05	Toreador	11	Katyusha

Appendix IV. Trouble Shooting

Trouble	Possible Reason/Solution
Accompaning a slight noise in turning on/off power	Normal phenomenon. Please don't worry.
Pressed keyboard there was no sound after turned on power	Check whether the master volume button is set at proper position or audio out jack is connected with other equipment so the built-in speaker system cutted off automatically
Sound distortion or interruption, seriously, the electronic keyboard cann't work.	Used unqualified power adaptor or batteries had lacked power, Please use the power adaptor was equipped with this electronic keyboard or replace batteries.
The voice and the timbre of the voice has the slight difference in one voice	This is normal phenomenon caused by different voice sampling diapason
Using sustain function some Voice has the long sustain, but some has the short sustain	This is normal phenomenon becuase the best length of the sustain of different voice has been setted.
The overall volume or the accompaniment volume is abnormal.	Check whether master volume control and accompaniment volume control are set at proper position.
In SYNC status, auto accompaniment volume is abnormal.	Check whether single finger or figered chord is set, now play a note at left keyboard area (19 keys in the left of keyboard).
Using external power, there was no sound when the electronic keyboard was open, LED didn't display anything.	Check whether power socket has the electricity, the power adaptor was well insertted, the power jack has the poor contact or the voltage is not enough.
Using batteries, there was no sound when the electronic keyboard was open. the LED didn't display anything.	Check whether battery polarity is correct and batteries have been run out.
The pitch of note is not correct.	Check whether the parameter of transpose is "00"
Using mobile phone, the electronic keyboard has the noise.	Mobile phone can disturb the electronic keyboard. To avoid the noise, please turn off the mobile phone or use it in far place.

Caution

Be sure to obey the following basic notice to avoid harming yourself or others and damaging this instrument or other external equipments.

These notice includes(but are not limited to) the following.

⚠ Notice

Power Adaptor

Please use specified adaptor, fault adaptor can damage the electronic keyboard.
Do not put adaptor or power cord near heating source such as central heating or heat radiator.
Do not overbend power cord and put heavy objects on it or wind it with other objects to avoid damaging power cord.
Check power plug and clean its surface dirt regularly. Do not insert and unplug power plug with wet hand.

Do not open electronic keyboard

Do not open the electronic keyboard and try to disassemble any parts of it. Nor make any change to the inside. There is the abnormal function in use.
Please stop operating it and send it for overhauling by qualified serviceman.

The circumstance of using electronic keyboard

Do not put the electronic keyboard in dusty, vibrating, low or high temperature environment(such as the place where the sunshine shines directly, the neighbouring place of the central heat or the car in the sunshine) to avoid damaging appearance or internal parts.
Do not put the electronic keyboard in an unstable place to avoid falling. Do not put any vessel holding liquid on the electronic keyboard to avoid liquid flowing in it and impairing internal parts.

Maintenance

To clean the electronic keyboard, wipe it with dry and soft cloth. Do not use paint, organic solvent or chemically impregnated cloth to wipe it.

Connection

In order to avoid damaging speaker, please adjust the lowest volume of external equipments before connection. Then, adjust the appropriate volume gradually when the music played.

The notice in operation

Do not adjust the loudest or uncomfortable volume to perform the electronic keyboard for long time to avoid hearing decline.
Do not stress the electronic keyboard or put heavy objects on it, nor press keyboard, switch and jacks with heavy force.
The package must be opened by adult to avoid the danger of suffocating infant or children. Please store or dispose the plastic package properly after the dismantlement. The inner small objects are not suitable for using of the children under 3 years old,

⚠ Statement

Specifications are subject to change without notice.
There is the undetailed description about the product function or the printing errors, Please forgive us.
We retain the modification right and the final explanation right based on the obligation requirement.

Please use it 2000 meters under sea level in tropical areas of Africa.

Table of Contents

Appendix II Style Table

No.	Style Name	No.	Style Name	No.	Style Name	No.	Style Name
00	Country	25	Europe rhumba	50	bluegrass polka	75	pattern mambo
01	Samba	26	jazz swing	51	rock salsa	76	jazz 8 beat
02	Disco	27	bluegrass tango	52	Europe 8 beat	77	jazz cha cha
03	Pops	28	rock latin	53	single 16 beat	78	Argentina waltz
04	Rock	29	bluegrass beguine	54	classical beguine	79	bluegrass reggae
05	Swing	30	country bossanova	55	Brazil mambo	80	jazz polka
06	Rhumba	31	classical polka	56	mix bossanova	81	jazz 16 beat
07	Tango	32	Hard salsa	57	bluegrass cha cha	82	jazz disco
08	Beguine	33	POP reggae	58	bluegrass slow rock	83	Brazil pops
09	Lation	34	POP 16 beat	59	Europe swing	84	classical reggae
10	March-polka	35	POP 8 beat	60	pattern bossanova	85	jazz mambo
11	Bossanova	36	POP mambo	61	bluegrass salsa	86	classical 8 beat
12	Salsa	37	Brazil cha cha	62	country classical	87	country cha cha
13	16-beat	38	country slow rock	63	Europe rock	88	hard waltz
14	Reggae	39	classical waltz	64	classical disco	89	jazz slowrock
15	Mambo	40	rock samba	65	bluegrass swing	90	country bluegrass
16	8-beat	41	Hard pops	66	classical rhumba	91	Europe samba
17	Cha cha	42	single rock	67	Brazil tango	92	Jazz bossanova
18	Waltz	43	Lieder counter	68	Rock beguine	93	latin salsa
19	Slow-rock	44	rock disco	69	jazz latin	94	bluegrass rock
20	classical samba	45	country waltz	70	South africa polka	95	classical swing
21	country south africa	46	jazz rhumba	71	swing 16 beat	96	bluegrass rhumba
22	Europe disco	47	classical tango	72	classical slow rock	97	jazz tango
23	lieder rock	48	Brazil latin	73	jazz samba	98	jazz beguine
24	lieder POP	49	Europe reggae	74	Indonesia POP	99	pattern latin

Appendix I Voice Table

No.	Voice Name	No.	Voice Name	No.	Voice Name	No.	Voice Name
00	Piano	25	Bagpipe	50	French horn	75	Synth brass
01	Harpsichord	26	Mute Piano	51	Nylon guitar	76	Clean shamisen
02	Clavichord	27	Ancient piano	52	Acoustic piano	77	Pop guitar
03	Reed Organ	28	Clear guitar	53	America banjo	78	Piccolo
04	Electric Guitar (jazz)	29	Synth guitar	54	Nationality flute	79	Modern piano
05	Electric Guitar (Muted)	30	Atmosphere	55	Mute chord	80	Bassoon
06	Guitar Harmonics	31	Trumpet	56	French guitar	81	Chord sitar
07	Acoustic Bass	32	Steel piano	57	Glockenspiel	82	Accordion
08	Cello	33	Synth sitar	58	Japan koto	83	Vibraphone
09	Muted Trumpet	34	Koto	59	Pick piano	84	Synth agogo
10	Baritone Sax	35	Mute agogo	60	Violin	85	English horn
11	English Horn	36	Chorused piano	61	Clean sitar	86	Austria piano
12	Flute	37	Pock organ	62	Hammond organ	87	Oboe
13	Celesta	38	Overdriven guitar	63	Pop sax	88	Sweet guitar
14	Sawtooth	39	Pick bass	64	Japan shannai	89	xylophone
15	Sitar	40	Trombone	65	Ballad guitar	90	Warm
16	Banjo	41	Chord guitar	66	Short piano	91	Low guitar
17	Shamisen	42	Mixer	67	Music box	92	Percussive organ
18	Shanai	43	Hammond organ	68	Halo pad	93	Bright piano
19	Agogo	44	Fifths	69	Fiddle	94	Distortion guitar
20	Pad 3	45	Europe sax	70	Steel guitar	95	Gentle guitar
21	Clarinet	46	Synth bass	71	Joyous agogo	96	Chorused piccolo
22	Pan flute	47	Church organ	72	Finger bass	97	Orchestral hard
23	Leed 2	48	Clean bell	73	Newage	98	Metallic pad
24	Dulcimer	49	Bright sitar	74	Honke-tonk piano	99	Mute bass

I Panel Control and External Function

Panel Control
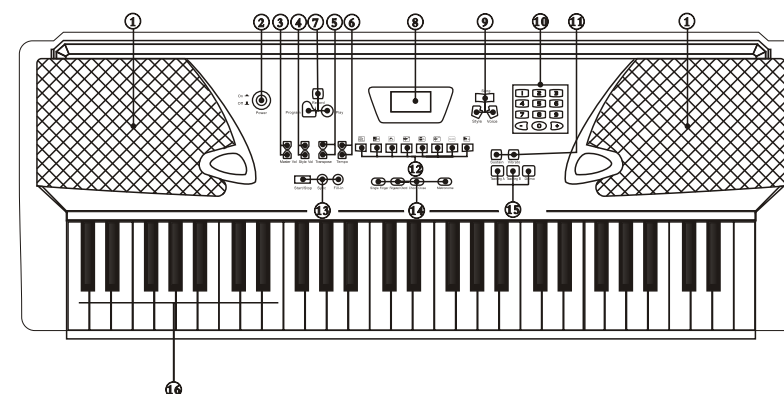
1. Speaker
2. Power Switch
3. Master Volume
4. Style Volume
5. Transpose+/-
6. Tempo+/-
7. Record/Program/Play
8. LED Display
9. Song/Style/Voice
10. Digit 0-9/+/-
11. Sustain/Vibrato
12. Panel Percussion
13. Start/Stop, Sync, Fill-in
14. Single Finger/Fingered Chord/Metronome, Chord Close
15. Teaching A/B/Demo
16. Chord Area

External Function
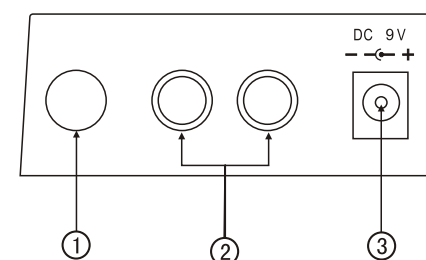
1. Microphone Out
2. Audio out (Left) /Audio out (Right)
3. DC 9V Power Input

II Preparation before performance

Power Requirement

1.Using AC/DC power adaptor

Please use the special power adaptor was equipped with this electronic keyboard or the power adaptor with DC 9V out voltage , 300mA out current and cental anode plug. Insert the DC plug of power adaptor into the DC 9V power jack in the rear panel of electronic keyboard, then, insert the other end into Mains socket. (Notice: The input voltage of power adaptor must conform to the voltage of Mains), finally turn on power switch and start performance.

II Preparation before performance

DC 9V
DC plug
DC power jack of electronic organ
Power adapter
Mains socket
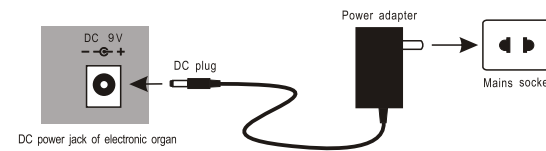
Caution : When you don' t use this electronic keyboard, you should unplug the plug of power adaptor from power socket safely to avoid the parts trouble or other accident for long-term charging.

2. Using batteries

Open the battery lid at the bottom of electronic keyboard and load 6pcs 1.5V size D batteries , ensure the polarity of the batteries should conform to the anode and cathode direction of batteries marked on battery lid. Cover the battery lid after the installation.

1.5V 1.5V — · — · — · — · — · 1.5V

Six batteries altogether
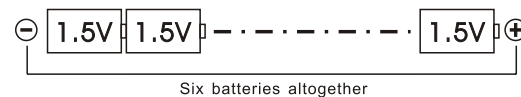
Caution : Don' t use different kinds of batteries at the same time and mix new and old batteries for use.The volume will go down and the timbre will be bad if the electrical quantity of batteries isn't enough,you have to replace the new batteries now.Please take out the batteries as to avoid possible damage caused by the batteries leakage if you don' t use the electronic keyboard for long time.

Accessories Jacks

1. External Microphone Use

Insert electret microphone（plug size : 6. 35mm）into microphone jack.

2. Connecting Amplifier or Hi-fi Equipment

This electronic keyboard has built-in speaker system. It can be connected with other external amplifier or hi-fi equipment for use. First turn off the power of electronic keyboard and external equipments, then insert one end of stereo audio cable into LINE IN or AUX IN jack of other hi-fi equipment and insert the other end into audio out L/R jacks in the bear panel of electronic keyboard.

L
R
OUT L/R
Amplifier
Speaker box
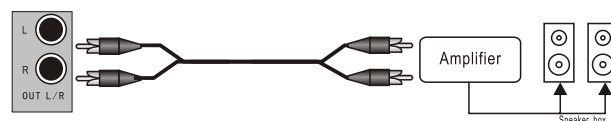
Notice : This electronic keyboard hasn' t equipped with the above external equipments, the users need to by them in person, please forgive us for this.

III Basic Operation Method

Song Play

Press [SONG] button to enter song choice mode. To select song by digit or "+/-" buttons, such as 04, 05. Press [DEMO] button, the song will play automatically. Press [START/STOP] button to exit song play.

Song
Style   Voice
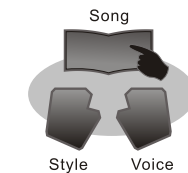
Teaching Function

Press [DEMO] button to enter teaching function, then, select different teaching demo by digit or"+/-"buttons,Press this button again to exit teaching function.

1. Teaching A : Press [TEACHING A] button to enter teaching function, LED displays"dxx" The beat point shines following beat after about two seconds. The song begins to play by pressing any key at this time, moreover, there is no main melody note at this time.Then,press any key,the correct main melody note will sound and repeat its accompaniment, that is one key one note mode.

Teaching A Teaching B   Demo

2. Teaching B : Press [TEACHING B] to enter teaching function, LED displays "dxx". The beat point shines following beat after about two seconds.The song begins to play by pressing any key at this time and there is no main melody note. You can select different voice and peform the main note by keyboard based on accompaniment at this time.

Teaching A Teaching B   Demo

III Basic Operation Method

3. Chord Close

Press[CHORD CLOSE]button after chord was started , the chord accompaniment sound stops, the style continues to play.

Single Finger Fingered Chord Chord Close   Metronome

Recording Function

1. Press[RECORD]button to enter recording function, LED displays″rec″ The default tempo of recording is 120. Press any key can start recording at this time. The maximum recording quantity is 53pcs of notes. When the limited quantity notes were all recorded, the LED displays ″ful″, the next note cann't be recorded continuously. You can press[PLAY]button to play anytime when recording. Everytime you press[RECORDING]button,the previous memory will be cleared and the keyboard will enter the recording mode again.

Record
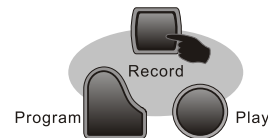
Program   Play

2. Press[PLAY]button, LED displays″ply″, the recored notes can be played.

Record
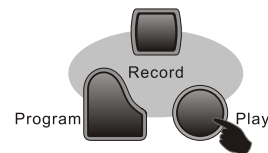
Program   Play

3. Press[PROGRAM]button to enter style programming function, LED displays ″prg″. You can edit a paraghaph of rhythm by pressing 8 kinds of panel percussion, 32pcs drum points can be recorded at most. Press[PLAY]button to play edited drum sound in sequence, forming a kind of self-programming style after programming was finished. The best style play effect can get by adjusting[TEMPO+/-]buttons. Everytime   you   press[PROGRAM]button, the previous memory will be cleared and the keyboard will enter the program mode again.

Record

Program   Play
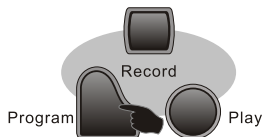
Demo

Press[DEMO]button, LED displays″dxx″, ″xx″indicates song no.To choose the song you want to play by digit and +/- buttons. The present song will play again and again, press[DEMO]button again to exit play.
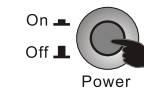
Teaching A Teaching B Demo

III Basic Operation Method

Basic Operation

1. Turn on power

Press[Power]button to turn on power after power adaptor was well connected or batteries were installed correctly. Press [POWER]button again, the button bounces, the power was closed.

On
Off
Power

2. Master Volume Adjustment

This electronic keyboard has 8 levels volume, from 1 to 8 for your choice. The default master volume is 7. Press[MASTER VOLUME+/-]button, the master volume has the corresponding increase or decrease. The master volume will recover the default value automatically if you press[MASTER VOLUME+/-]buttons at the same time.

+
−
Master Vol

Voice

Voice Selection

The default status is voice when the electronic keyboard is open. You need to press [VOICE]button if the present status isn't voice status. You can select the voice through the direct input by digit 0-9 buttons or by [+/-] buttons. (As shown in the figure: 05 voice)

Song

1	2	3
4	5	6
7	8	9	②
−	0	+

Style   Voice   ①
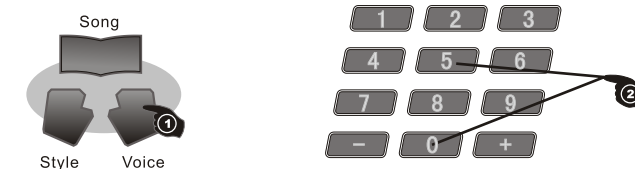
Effect and Control

1. Sustain

Press [SUSTAIN] button to start sustain function. The keyboard sound will occur the prolonged effect if you perform with white and black keys at this time. Press[SUSTAIN]button again to exit sustain function.

Sustain   Vibrato

2. Vibrato

Press [VIBRATO] button to start vibrato function. The trembling effect tone will occur if you perform with white and black keys at this time. Press [VIBRATO]button again to exit vibrato function.

Sustain   Vibrato

III Basic Operation Method

3. Transpose

Press [TRANSPOSE+/-] button , the corresponding musical scale goes up or goes down for one note when you perform with black and white keys.You can adjust the musical scale for 6 levels upwards or -6 levels downwards.
The system will recover the default keyboard tone automatically if you press [TRANPOSE+/-] button at the same time.

Transpose

4. Metronome

Press [METRONOME] button, the tick-tock beat sound will occur. Adding the metronome effect in performance, LED displays present beat quantity. The beat quantity display will exit for about two seconds. Press [METRONOME] button continuously before LED exitting beat quantity display, the beat quantity will change. Operation: 1/4 beat, 2/4 beat, 3/4 beat, 4/4 beat, cycle in this way. Press [METRONOME] button again to exit beat function after LED exited beat quantity display.

Single Finger Fingered Chord Chord Close   Metronome

5. Panel Percussion

Press panel percussion buttons(there are 8 kinds of panel percussion in total), the corresponding percussion can occur. You can fill in the corresponding percussion to enhance the performance effect based on your requirement.

1	2	3	4	5	6	7	8
M	M			L		CLICK	H
Bass Drum	Side Stick	Snare Drum	Closed Hi-Hat	Open Hi-Hat	Low Mid Tom	Hi Mid Tom	Crash Cymbal

M   M   L   CLICK   H

Style and The relative function of style

1. Selecting style

This electronic keyboard has 100 kinds of style for your choice. For detailed style table, please refer APPENDIX. Press [STYLE] button to enter style selection function. LED displays current style serial no. . You aslo can choose style by choosing digit 0-9 button and inputting two-digit number or by [+/-] buttons.

Song

Style   Voice

| 1	2	3
4	5	6
7	8	9
-	0	+

① ②
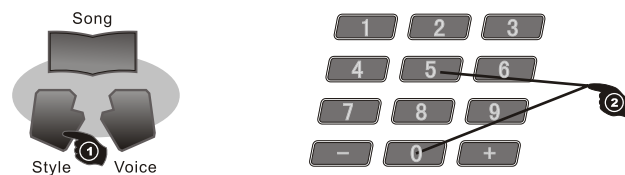
III Basic Operation Method

2. Start/Stop

In default status when the electronic keyboard is open, press [START/STOP] button to play style, press this button again, the style played will exit.

Start/Stop   Sync   Fill-in

3. Sync

Press [SYNC] button to start sync accompaniment function and press 19 pcs keys in left hand to start style synchronously. If chord function has started, press the corresponding key in 19 keys of chord area, the auto chord will start synchronously. If the previous style is being played, press [SYNC] button to stop style.If syn function has been started, press [SYNC] button to exit sync function

Start/Stop   Sync   Fill-in
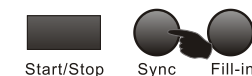
4. Fill-in

You can fill in a length of interlude to enhance the performance effect if you press the [FILL-IN] button during the style play, then, the original style will continue to perform

Start/Stop   Sync   Fill-in
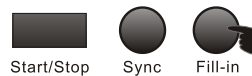
5. Tempo adjustment

Press [TEMPO+/-] button to adjust the play tempo of style, metronome and demo, the adjustment range is 40-240.

Tempo

Chord Accompaniment

1. Single Finger

Press [SINGLE FINGER] button under style started status to enter single auto chord function, LED displays "s-1". Press different keyboard fingering in 1-19 keys of chord keyboard area at this time, you can hear different chord accompaniment. Press [START/STOP] button to exit single finger.

Single Finger Fingered Chord Chord Close   Metronome

C   Cm   C7   Cm7

2. Fingered Chord

Press [FINGERED CHORD] button under style started status to enter fingered auto bass chord function, LED displays "S-2". Pressing different fingering in 1-19 keys of chord area, you can hear different chord accompaniment. Press [START/STOP] button to exit fingered chord.

Single Finger Fingered Chord Chord Close   Metronome

C   Cm   Cm7   C7