ARK-558

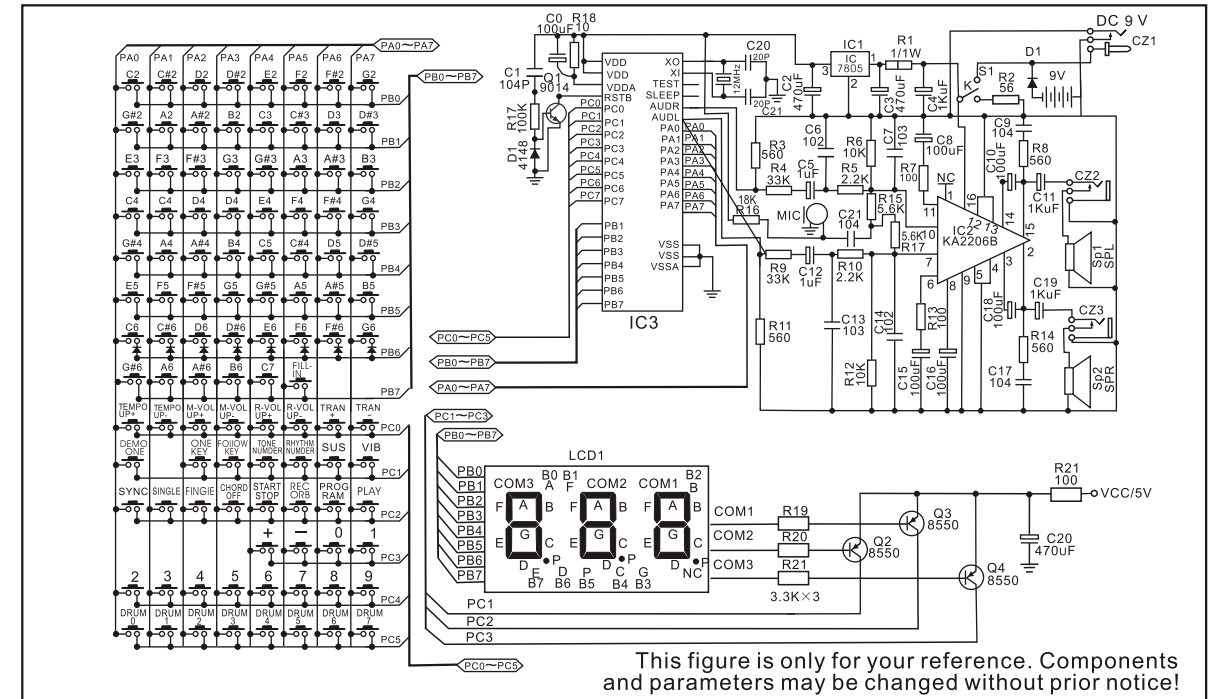## 54-Key Multi-function Teaching-Type Electronic Organ

OPERATION INSTRUCTIONS

Function and Feature of ARK-558 Electronic Organ

▲ 54 standard piano keys

▲ LED display

▲ 100 tones, 100 rhythms, 8 stereo demo songs and 8 panel drums

▲ Single chord, Finger chord, ToneCLR

▲ Sync, Fill in, Start/Stop

▲ Sustain, Vibrato, keyboard transpose

▲ B/W key record, rhythm program

▲ Guide-A and Guide-B

▲ 32-level tempo, 16-level volume, 8-level rhythm chord volume

Tone	100	DC voltage	DC 9 V
Rhythm	100	Output power	≤2.7 W
Diapason	C2-F6	Static current	75 mA
Accuracy	≤3cent	Weight	3.65 Kg
Standard	GB8898-2011	Dimensions	850×330×120(mm)

Appendix Ⅵ: Schematic Circuit

This figure is only for your reference. Components and parameters may be changed without prior notice!

Appendix Ⅵ : Trouble Shooting

Trouble	Cause and Solution
No t all keys pressed produces sound So long as you press keyboard, auto accompaniment function seems skipped.	You may have used too much notes than allowed quantity, including right-hand tone, left-hand tone, auto accompaniment and counterpoint note. The notes in excess of this limit will not produce sound.
The pitch of note is not correct.	Check whether the parameter of Transpose is "00".
When using batteries, the electronic organ does not emit sound after startup and indicating LED does not light up.	Check whether battery polarity is correct and batteries have run down.
When using AC adapter, you hear distorted or discontinued sound, or even the electronic organ may be halted in terrible case.	You have used unqualified AC adapter or low batteries. Please use the AC adapter provided with this electronic organ or replace batteries.
No sound for external loud speaker oramplifier.	Check whether volume is set too low or wire connection is proper.
No sound for external microphone.	Check whether volume is set too low or wire connection is proper, or use electrer condenser microphone.

Note:Should the trouble of your electronic organ be unable to eliminate, pleasesend it to franchiser or its maintenance service to repair. Do not disassembly without authorization.

Caution (Please read carefully before use)

Please observe the following, but not limited to, rules in using the electronic organ to avoid hurt possibly incurred to yourself or anybody else and protect the electronic organ and other peripheral equipment from damaging.

1.Do not open the casing of electronic organ and try to disassembly. Do not change anything within. Should any abnormal phenomenon occur, please stop using the electronic organ immediately and send to qualified person for examination.

2.Keep the electronic organ from rain and do not use it near water or in wet condition. Do not place any vessel that hol ds liquid on the electronic organ for fear that liquid flows into the electronic organ.

3.Better use specified voltage (230V 50Hz), otherwise wrong voltage may cause the electronic organ impaired, overheated or wowed.

4.Before cleaning the body of electronic organ, please pull out the power plug with dry hand.

5.Regularly check up power plug and clean it if necessary.

6.Do not place power adapter or AC power cord near heat source such as heat radiator. Do not overbend or place heavy matter on electric wire. Do not place electric wire in passage. Do not wind anything on electric wire.

7.When you pull out power plug, please hold plug instead of electric wire to pull it out.

8.Do not insert the power plug of electronic organ in multi-purpose terminal block to avoid overheat.

9.When you do not use the electronic organ for a long time or in thunder, turn off the electronic organ and pull out power adapter or power plug.

10.Please turn off all power switches before connecting electronic organ to any other electronic appliance. Before turning off these electronic appliances, adjust all volume potentiometers or +- buttons to the lowest positions.

11.Do not place electronic organ in dusty, vibrating, cold or high-temperature condition (e.g. exposed to direct sunshine, near heat radiator or in the car under the sun) to avoid damage to appearance or internal components.

12.Do not place electronic organ at unstable place to avoid falling and damaging.

13.When cleaning electronic organ, please wipe its body with dry soft cloth without using dope, organic solution or chemical impregnant. Do not place vinyl plastics product on electronic organ, otherwise panel or keyboard may fade.

14.Do not sit or place heavy matter on electronic organ.

15.Do not perform with too loud volume or to the extent of hearing unwell to protect audition from hurting.

16.Please dispose plastics packing away out of infant or child to avoid danger.

17.Unpacking shall be done by adult.The small things contained in the packing are not suitable for the children below 3-years of age.

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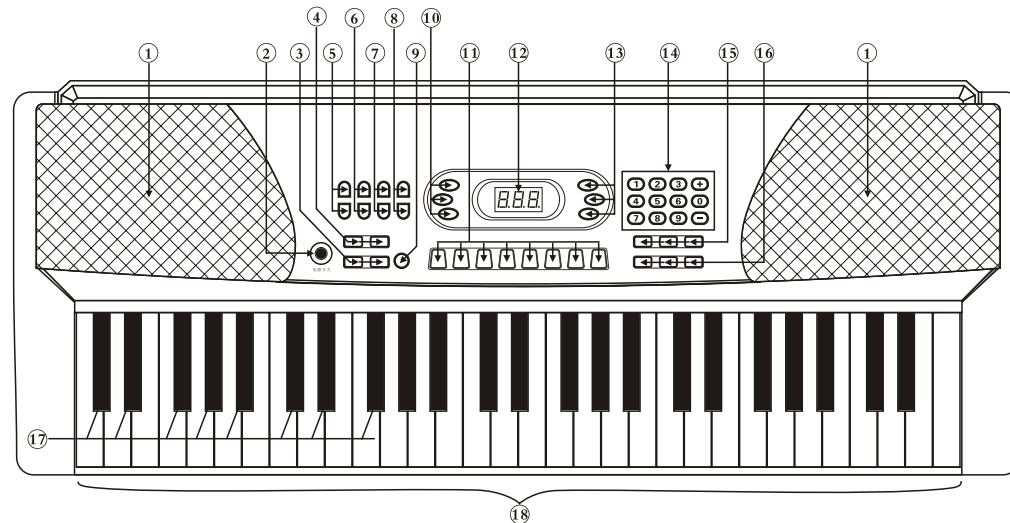| Trouble	Cause and Solution
Accompanying a little noise in turning on/off power.	Normal condition. Please do not worry.
After turning on power, press keyboard but not sound can be emitted.	Check whether volume control key is at proper position or headphone jack is held by other equipment to break off built-in speaker system.
The note and its tone for a same voice are a little different.	This is normal phenomenon caused by different voice sampling diapason.
When using Sustain function, some tones have long sustain but some have short sustain.	This is normal phenomenon since the sustains of different tones are set to optimum lengths.
Too low volume, abnormal volume or accompaniment does not work.	Check whether volume control and accompaniment volume control are in proper setting.
Though Sync/Start is begun and keyboard is used in performance, auto accompaniment does not work.	Check whether auto bass is set on Single or Finger chord position. Now only pressing the keyboard of auto bass chord key area can accompaniment be started.
When using mobile phone, the electronic organ will emit noise.	Mobile phone can disturb the electronic organ. To avoid the noise, turn off the mobile phone or use it far away.

Appendix Ⅲ:Table of Demo Song

Number	Code of Song	Number	Code of Song
01	Turkey march	05	Red River Valley
02	Oh SuSanna	06	KatyuSha
03	American patrol	07	Zmpromptu
04	Hawthorn	08	Toreador song

Appendix Ⅳ:Table of Panel Drum

Number	Name of Drum	Number	Name of Drum
01	Hi-Hat Closed	05	Bass Drum
02	Hi-Hat Open	06	Hand Clap
03	Low Tom	07	Hi-Hat Pedal
04	Snare	08	Slap Crash Cymbal

Name of Function Key and Layout

1.loudspeaker
2.power switch
3.Guide A/B
4.Sustain/Vibrato
5.Volume "+/-"
6.RhyVOL "+/-"

7.Tempo "+/-"
8.Transpose "+/-"
9.Demo song
10.Record/Prog/Replay
11.Drums
12.LED display

13.Tone/Rhythm/Song
14.Digit key/ "+/-" key
15.ToneCLR/Finger/Singler chord
16.Start/Stop/Fill in/Sync
17.Chord accompaniment keyboard area
18.54 standard B/W keys

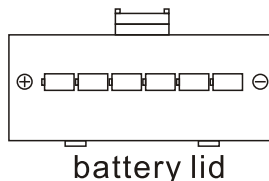## 1.Preparation of Batteries:

Open the lid of battery jar in the bottom of electronic organ and install six 1.5V Size D batteries. Be sure to install batteries in correct PN direction marked in the lid, and recover the lid.

● Too low cell due to long time usage may cause less volume and distorted tone, you should replace batteries immediately, otherwise the battery leakage would impair the electronic organ.

● Do not mix new batteries with old ones or different types of battery to avoid affecting normal usage.

battery lid
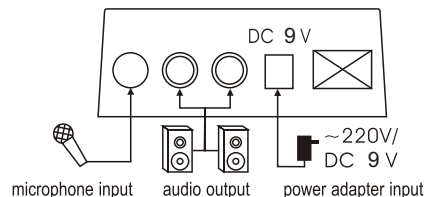
2.Use of Power Adapter:

● A~220V/DC 9 V adapter is provided with this electronic organ. Connect DC 9 V plug in DC 9 V jack of the electronic organ and another plug in mains socket. Finally, turn on power switch to perform.

● When not using this electronic organ, please pull out the power adapter plug from mains socket, otherwise long-term energizing should cause part trouble or other accident.

3.Use of External Amplifier/Microphone:

You may sing with an electret condenser microphone while you perform the electronic organ.

Connecting stereo audio output with external amplifier will strengthen performance effect.

DC 9 V

~220V/ DC 9 V

microphone input   audio output   power adapter input

No.	Name of Rhythm	No.	Name of Rhythm	No.	Name of Rhythm	No.	Name of Rhythm
00	RUMBA 1	25	SOUL 1	50	HOUSE 1	75	TECHNO
01	SAMBA	26	RAP	51	REGGAE 3	76	BALLAD
02	DISCO	27	TANGO 2	52	SOUL 2	77	DIXIE 1
03	TANGO 1	28	REGGAE2	53	POLKA 2	78	DISCO QUEEN
04	ROCK 1	29	RUMBA 2	54	HIP-HOP 1	79	ROCK 4
05	SWING	30	RAVE	55	16-BEAT 2	80	HOUSE 3
06	COUNTRY 1	31	COUNTRY 2	56	N.0.R&R	81	BLUES 2
07	WALTZ 1	32	BEAT 1	57	SLOWROCK 3	82	DANCE 3
08	BEGUINE	33	8-BEAT 1	58	8-BEAT 2	83	FUSNSHFL
09	LATIN	34	BARREL.HOUSE	59	PASODOB	84	8-BEAT 4
10	MARCH-POLKA	35	SLOWROCK 2	60	DANCE 2	85	DANCE 4
11	BOSSANOVA	36	TRIP HOP	61	WORDPOP	86	REGGAE 4
12	SALSA	37	OLDIEPOP	62	SLOWROCK 4	87	HAPPY LOVE
13	16-BEAT 1	38	ROCK2	63	8-BEAT 3	88	SKA
14	REGGAE 1	39	BIG BALLAD	64	QUICKSTP	89	CHACHA 2
15	MAMBO	40	MERENGUE	65	HIP-HOP 2	90	BROWN
16	8-BEAT	41	KERONCONG	66	MARCH 1	91	MARCH 2
17	CHACHA 1	42	GUARACHA	67	BLUES 1	92	16-BEAT 3
18	POPS	43	BIGBAND	68	CHARLESTON	93	CALIFORNIA
19	SLOWROCK 1	44	WALTZ 3	69	HOUSE 2	94	CUMBIA
20	WALTZ 2	45	ROCK 3	70	BAROQUE	95	BOLERO
21	DANCE1	46	PUNTA	71	NEW SAI DI	96	TEXMEX
22	LOUD FUSION	47	JAZZ	72	BOOGIE	97	ROCK 5
23	POLKA1	48	BEAT 2	73	DISCO BEAT	98	DIXIE 2
24	EURB	49	TRANCE	74	CANTALP	99	BOLERO

No.	Name of Tone	No.	Name of Tone	No.	Name of Tone	No.	Name of Tone
00	PIANO	25	CLEAN GUITAR 1	50	ROCK ORGAN	75	ACCORDION
01	CLARINET	26	SOPRANO SAX1	51	PICCOLO 1	76	E-PIANO 1
02	VIBRAPHONE	27	DULCIMER	52	STEEL DRUMS	77	REED ORGAN 2
03	TRUMPET	28	STRINGS 1	53	TUBA	78	HARMONICS 1
04	BAN JO	29	RECORDER	54	HALO PAD	79	LOW TOM
05	FLUTE	30	ACOUSTIC GRAND PIANO	55	CLAVI	80	SOFT ACCORD
06	CHURCH ORGAN	31	ENGLISH HORN	56	FRETLESS BASS	81	SHAKHACHI
07	HARMONICA	32	SHANAI 2	57	KALIMBA	82	XIAO
08	JAZZ GUITAR	33	CLEAN GUITAR 2	58	CONTRABASS	83	HARP
09	SYNTHSTRS 1	34	ATMOSPHERE	59	NYLON GUITAR	84	E-PIANO 2
10	PIANO BRIGHT	35	VIOLA	60	PIANO ELEC 1	85	BASS LEAD 1
11	BRASS SYN	36	DRAWBAR ORGAN 2	61	PICCOLO 2	86	BASS LEAD 2
12	SYNTH BASS	37	DISTORTION GUITAR	62	SYNTHSTRS 2	87	BRASS SYN
13	LEAD SQUARE	38	STEEL GUITAR	63	PAD	88	BARITONE SAX
14	MARIMBA	39	SQUARE	64	FRENCH HORN	89	GUZHENG
15	CHORUSED PIANO	40	ALTO SAX	65	ELECTRIC GUITAR	90	CELESTA
16	ORCHES.HARP	41	ACOUSTIC BASS 2	66	FINGER BASS 1	91	XYLOPHONE
17	SAXOPHONE	42	SAWTOOTH	67	AGOGO 2	92	FINGER BASS 2
18	TANGO ACCORDIAN	43	OCARINA	68	BASSOON	93	REED ORGAN 3
19	STEEL DRUMS	44	AGOGO 1	69	FIFTHS	94	SLAP BASS 1
20	HONKY-TONKPIANO	45	MUSICBOX	70	TENOR SAX	95	HARMONICS 2
21	SHANAI 1	46	STRINGS 2	71	TINKLE BELL	96	PIANO ELEC 2
22	TROMBONE	47	OBOE	72	GLOCKENSPIEL	97	STR SYN 3
23	ACOUSTIC BASS 1	48	REED ORGAN 1	73	PIPA	98	SLAP BASS 2
24	DRAWBAR ORGAN 1	49	HARPSICHORD	74	PICK BASS	99	BASSOON

1.Adjustment of Volume:

This electronic organ has 16 levels of volume from 1 to 16 for your choice. The default level of volume is 12. Press Volume "+" and "-" key, volume will be increased or decreased accordingly. Press Volume "+" and "-" keys simul taneously, the volume will be restored to the defaultlevel automatically. Meanwhile you adjust volume, the accomp anying volume will also be changed accordingly.

2.RhyVol:

The default RhyVol is 11. By pressing RhyVol "+" or "-" key, you may correpoding increase or decrease RhyVol. 16 levels of RhyVol may be readjusted. Press RhyVol "+" and "-" keys simultaneously to restore the default RhyVol setting automatically.

3.Tempo:

The default tempo is 120. By pressing Tempo "+" or "-" key,you may correpodingly increase or decrease tempo. 32 levels of tempo may be readjusted. Press Tempo "+" and "-" keys simultaneously to restore the default tempo setting.
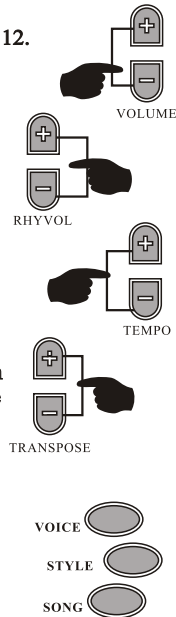
4.Transpose function:

By pressing Transpose "+" or "-" key, you may increase or decrease half note when you perform with B/W keys, with ±6 levels adjustable. Press Transpose "+" and "-" keys simultaneouly to restore to its default note value of "00".

5.Select Voice:

This electronic organ has 100 voices for your choice. For detailed information, refer to Appendix Ⅰ. The default status at startup is VOICE. If current status is not VOICE, you need to press VOICE key. Select VOICE can also be realized by pressing "+,-" keys. By pressing digits, LED will display corresponding VOICE code. Under VOICE status, press "+" or "-" key to select next or previous voice.

6.Select Rhythm:

This electronic organ has 100 rhythms for your choice. For detailed STYLE table, refer to Appendix Ⅱ. Press STYLE key to select with digit keys or "+,-" keys, By pressing digits, LED will display corresponding STYLE code. Under STYLE status, press "+" or "-" key to select next or previous STYLE. After selecting STYLE, press START/STOP key to start STYLE and press STYLE key once more to exit STYLE function.

VOLUME

RHYVOL

TEMPO

TRANSPOSE

VOICE

STYLE

SONG

7.Demo song:

Press Song keys to replay 8 songs in sequence. During replaying, you can change the tone of song by pressing digit keys or "+/- " keys.Under song mode, you cannot, perform keyboard but only press 8 panel drums and transpose will not work. Press Demo Song key to replay current demo song and press the key once again to replay next demo song. This key is a toggle key. During replaying, you can change the tone of song by pressing digit keys or "+/- " keys.
Under Demo song mode, you cannot perform keyboard but only press 8 panel drums and transpose will not work.

DEMO

8.Tone Edit Function:

(1)Sustain: Press SUSTAIN key to start sustain function. Now the note of B/W key produces a sustain effect. Press SUSTAIN key once again to exit sustain function.

(2) Vibrato: Press VIBRATO key to start vibrato function. Now the note of B/W key produces a vibrato effect. Press VIBRATO key once again to exit vibrato function.
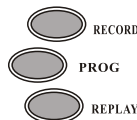
SUSTAIN VIBRATO

9.RECORD/Prog Function:

(1) Press RECORD key to enter record status. Before recording, you should set tone, rhythm, tempo and auto chord in good order to minimize setting during record. The recorded quantity of note cannot exceed the maximum limit and drums are not recored. In Recode mode, press REPLAY key to replay recorded notes in sequence. In replay mode, tone may be switched. Upon completion, press RECORD key to record again. In this mode keyboard transpose function will not work.

(2) Press PROG key to enter rhythm program function. By pressing Panel Drum key, you can program correspondent drums in the organ. When the number of programs exceeds the maximum limit, PROG mode will be ended. Press a key in PROG mode to program an empty beat and replay the sound of beep. Press REPLAY key to replay programmed drums in sequence and cycles and form a self-programmed rhythm. By readjusting tempo "+/-"key, you may reach the o ptimal performance effect. In replaying programmed rhythm, press REPLAY or Start/Stop key to stop replaying.

RECORD

PROG

REPLAY

10.Chord Accompaniment Function:

(1)Finger Chord: Press FINGER key to enter the mode of finger chord accompaniment. Press different FINGER in chord key area(1～19keys)to produce correspondent chord accompaniment. Press FINGER key once again to exit this function, and Chord key area will change to keyboard tone.

TONECLR FINGER CHORD SINGLE CHORD

(2)Single Chord: Press SINGLE key to enter the mode of single chord accompaniment. Press different single fingering in chord key area(1～19keys)to produce corresponding chord accompaniment. Press SINGLE key once again to exit this function and Chord key area will change to keyboard tone.

Press ToneCLR key to start/stop chord background. This fuction is circular: start chord···stop chord··· start chord···
Whenever demo song is started, the default setting of this function is to start chord. In the mode of SINGLE/FINGER chords, pressing this key will cancel single/finger chord accompaniment, and key pronunciation will restore to its original tone.

START/STOP FILL IN SYNC

(3)Sync Function: First press SINGLE chord or FINGER chord keys, then SYNC key anf finally B/W key.
①If keys belong to chord area (C2～F#3), key and rhythm as well as chord will be played in synchronization.
②If kets do not belong to chord area, this function can not be used.

(4)Fill in: You may press FILL-IN key to insert 1-2 measures of drum fill in current rhythm and then restore to original rhythm. Only in rhythm status can this function be realized.

(5)Start/Stop: Press Start/Stop key to start or stop rhythm. In any other function mode, you can press this key to exit that function.

11.Guide Function:

Press Guide-A or Guide-B key to enter Guide function. During guide, unless a key be pressed, the song will not be continued. After a song is finished, repeat it again. You can select a demo song by Demo song key. In Guide mode, press Guide-A or Guide-B key to exit guide function.

Guide-A: No matter whether you perform correctly or not, the organ will continue.
Guide-B: The theme notes will be screened by the notes played and if you do not play for 3 seconds, the theme notes will be restored for guide purpose.

GUIDE A GUIDE B