

Oriental Electronic Organ

ARK-2187

OPERATION INSTRUCTIONS



Technical Specifications

■ Standard

- GB8898-2011
- GB13837-2012、GB17625.1-2012

■ Keyboard

- 61-key standard keyboard with touch response

■ Voice

- 111GM standard voices, 19 Arabic voices, 2 drum teams

■ Rhythm

- 137 wonderful auto chord accompany

■ Demo song

- 4 different styles Arabic demo songs

■ Directly selected voices/rhythms

- 5 directly selected keys

■ Effect controls

- sustain, vibrato, touch, chorus, reverb, transpose, pitch bend, keyboard split

■ Record

- record, sound track1, sound track2, sound track3, clear, play

■ Accompany control

- start/stop, sync, intro, fill-in 1, fill-in 2, ending

■ Auto chord

- single chord, finger chord

■ Memory

- 4 memory groups 16 status memory, can save voice and voice part, voice effect, accompany data

■ Other controls

- power switch, master volume control, chord volume control, metronome, tempo

■ Arabic Scale and Memory

- Effected by 12 circular button to make 1/4 pitch of a tone. Arabic Scale
Memory can memorize and cancel the selected Arabic Scale

■ External functions

- power jack, headphone, circuitry output jack, sustain pedal jack, MIDI input/output jack

■ Diapason

- C2~C7

■ Accuracy in musical tuning

- ≤ 6 cent

■ DC input

- DC12V 1200mA

■ Output power

- 8W×2

■ Quiescent current

- 280mA

■ Specification

- 960×380×120 (mm)

■ Weight

- 6.4Kg

Cautions

The following requirements shall be observed to avoid hurting yourself or anybody else as well as damaging of peripheral devices. The intensions will include (but not limited to) the followings:

Cautions

AC Adapter:

- Please use specified AC Adapter, otherwise fault adapter may cause damage of your electronic organ.
- Do not place AC adapter or power cord near heating source such as central heating or heat radiator. Do not overbend wire and place heavy matters on wire or wind wire with other matters to avoid damaging wire.
- Regularly check power plug and clean surface dirt. Do not pull out power plug with wet hand.

Do not open the casing of electronic organ:

- Do not open the casing of electronic organ and try to disassemble any part of it, nor make any change to it. Should any abnormal function occur in use, please stop operating it immediately and send it for repair by qualified servicemen.

Location of placing electronic organ:

- Do not place the electronic organ in an environment of dusty, vibrating, low or high temperature (such as exposed to direct sunshine, near central heat or in the car exposed under sunshine) to avoid damaging appearance or internal part.
- Do not put the electronic organ in an unstable place to avoid falling. Do not put any vessel holding liquid on the electronic organ to avoid liquid flowing in it and impairing internal part.

Maintenance:

- To clean the body of the electronic organ, wipe it with dry soft cloth. Do not use paint, dope, organic solvent or chemically impregnated cloth.

Connection of peripheral device:

- In order to prevent speaker from damaging, please adjust the volume of peripheral device to the lowest and after music is gradually played, adjust to appropriate volume. Should any device damage incurred by violating the intension, no responsibility shall be taken by the manufacture.

Caution in operation:

- The organ with the loudest or uncomfortable volume to avoid decline in hearing.
- Do not place heavy matters on the electronic organ, nor press keyboard, switch and socket with heavy force.
- The package shall be opened by adult to avoid the danger of suffocating infant or children. Please properly store or dispose the plastic package after unpacking. The matters contained are not suitable for using by the children under 3 years old.

Notice

- Specifications are subject to change without notice.
- Should any description of product function be not specified in detail or some typing error occur, please forgive us.
- What is displayed in LCD in this instruction is only for the purpose of explanation and may be different with actual display in your electronic organ.
- This company retains the right which needs to revise because of the duty and finally interpretative right.

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Demo Song Table

No.	Code of Song	No.	Code of Song
001	Demo-1	003	Yaheluy
002	1K-layla	004	Piano

Trouble Shooting

Trouble	Possible reason/eliminating method
Accompanying a little noise in turning on/off power.	Normal condition. Please do not worry.
After turning on power, keyboard but no 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.
Even if Sync is activated and keyboard is played, no accompaniment appears.	Check whether chord mode is set in corresponding chord position. Now only by playing auto chord keyboard, can accompaniment be started.
Not 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 ring-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 "0".
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 loudspeaker or amplifier.	Check whether volume is set too low or wire connection is proper.

The stochastic appendix

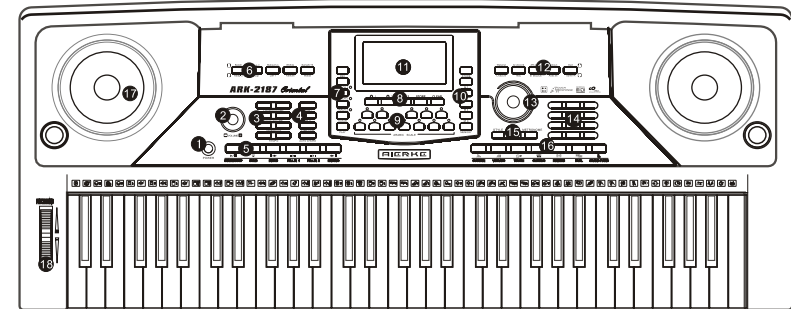
ARK-2187 packing case contains the following appendix. Please inspect the appendix is whether complete.

Table of Style

No.	Name of Style	No.	Name of Style	No.	Name of Style	No.	Name of Style
	DANCE	042	R&B1	085	Reggae	128	Laff 1
001	Dance1	043	R&B2		COUNTRY	129	Soudasi
002	Dance2	044	Blues1	086	Country Rock1	130	Chopi
003	Dance3	045	Blues2	087	Country Rock2	131	Karachi
004	Disco1	046	Gospie	088	Country Ballad	132	Halay
005	Disco2	047	Slow Rock	089	Country Shffle	133	Kalamatias
006	Disco3		ROCK 2	090	Country Waltz1	134	Azari
007	Eurobeat	048	Rock&Roll1	091	Country Waltz2	135	Oyun Havasi
008	House1	049	Rock&Roll2	092	Two Step	136	Zaffah
009	House2	050	Rock Shuffle	093	Bluegrass	137	Flamengo
010	House3	051	Boogie Woogie1		TRDITIONAL		
011	Techno1	052	Boogie Woogie2	094	Waltz		
012	Techno2	053	Charleston	095	Musette		
	POP	054	Twist	096	VienerWaltz		
013	8Beat Pop		JAZZ	097	March4/4		
014	Pop Shfl	055	Swing1	098	March6/8		
015	Pop Dance	056	Swing2	099	Polka1		
016	Pop Rap	057	Jazz Waltz	100	Polka2		
017	Pop Bossa	058	Jazz Ballad		ORIENTAL		
018	Pop Reggae	059	Slow Jazz	101	Arabian1		
019	Folk Pop	060	Fusion	102	Arabian2		
020	16Beat Pop	061	Shuffle1	103	Xingjiang1		
021	Ballad1	062	Shuffle2	104	Xingjiang2		
022	Ballad2	063	Foxtrot1	105	Yunnan1		
023	New Age	064	Foxtrot2	106	Yunnan2		
	FUNK&SOUL	065	Surf	107	Anhui		
024	Funk1	066	Big Band1	108	Henan		
025	Funk2	067	Big Band2	109	Shanbei		
026	Funk3	068	Cool Jazz	110	Baladi		
027	16Beat1	069	Swing Waltz	111	Saidi 1		
028	16Beat2	070	Dixieland	112	Saidi 2		
029	16Beat3		LATIN	113	Saidi 3		
030	Soul	071	Samba1	114	Maksum		
031	Soul Ballad	072	Samba2	115	Maksum-S		
	ROCK 1	073	Disco Samba	116	Wehda		
032	Rock1	074	Cha-Cha	117	Masmudi-K		
033	Rock2	075	Disco Cha	118	Sama3i		
034	Rock3	076	Guaracha	119	Hajaa3		
035	Rock4	077	Mambo	120	Cifteteli		
036	Rock5	078	Bossa Nova	121	Valse		
037	8Beat1	079	Cumbia	122	Fox		
038	8Beat2	080	Beguine	123	Rumba		
039	8Beat3	081	Salsa	124	Khaligi		
040	8Beat4	082	Caribbean	125	Turkish 1		
041	8Beat5	083	Rhumba	126	Katkufti		
	ROCK 1	084	Tango	127	Walda		

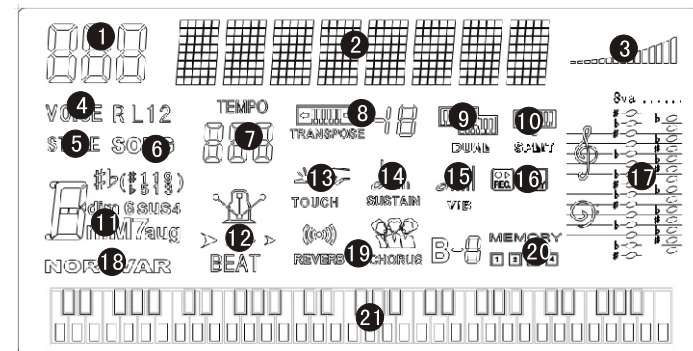
I . Panel Control and External Function

Panel Control



- POWER
- VOLUME
- CHORD VOLUME, STYLE VOLUME
TRANPOSE, TEMPO
- DEMO, SPLIT, FUNCTION, AUTO CHORD
- START/STOP, SYNC, INTRO, FILL IN1
FILL IN2, ENDING
- DIRECTLY SELECTED VOICES
- REC, TRACK1, TRACK2, TRACK3
CLEAR, PLAY
- 1, 2, 3, STORE, CLEAR
- ARABIC SCALE
- STORE, M1-M4, MEMORY
- LCD
- DIRECTLY SELECTED STYLES
- DATA WHEEL
- NO. 0-9/+, -BUTTON
- STYLE, VOICE, METRONOME
- SUSTAIN, VIBRATO, TOUCH
CHORUS, REVERB, DUAL
GRAND PIANO
- LOUDSPEAKER
- PITCH BEND

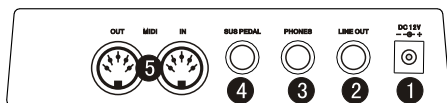
LCD Screen Legend



- DIGIT
- LETTER
- VOLUME
- VOICE
- STYLE
- DEMO SONG
- TEMPO
- TRANSPOSE
- DUAL
- SPLIT
- CHORD
- METRONOME
- TOUCH
- SUSTAIN
- VIBRATO
- REC
- STAFF
- FILL In1/FILL In2
- REVERB/CHORUS
- MEMORY
- B/W key

I . Panel Control and External Function

External Function



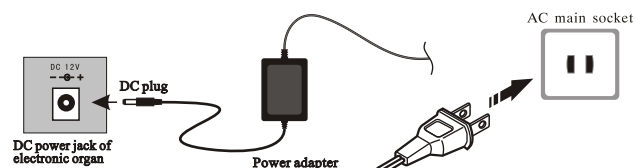
- ❶ DC12V input
- ❷ Line Out
- ❸ Headphone
- ❹ Sustain Pedal
- ❺ MIDI OUT/IN jack

II . Preparation before performance

POWER

1. Use Power Adapter:

Please use the AC adapter provided with the electronic organ. First connect the adapter plug with DC jack, and then plug the other end of power cord to AC main socket.



Cautions:

When you do not use this electronic organ for a long term, you should pull out the plug of power adapter from main socket safely to avoid possible causing trouble of part or other accident in long-term charging.

II. Use of batteries:

Open the battery lid in the bottom of electronic organ and load eight 1.5V Size D batteries, ensuring the polarity should conform to the direction marked on battery lid. Replace the lid securely after loading batteries.



Eight batteries altogether



Cautions:

When batteries have to be replaced, please replace all batteries once. Do not use new and old batteries simultaneously. To avoid possible damage caused by battery liquid leakage, please take out batteries if you will not use the electronic organ for a long term.

Table of Voice

No.	Name of Voice
PIANO	
001	Acoustic Grand Piano
002	Bright Acoustic Piano
003	Electric Grand Piano
004	Honky-Tonk Piano
005	E.Piano1
006	E.Piano2
007	Harpsichord
008	Clavi
009	Celesta
010	Glockenspiel
011	Music Box
012	Vibes
013	Marimba
014	Xylophone
015	Tubular Bells
016	Dulcimer
ORGAN	
017	Drawbar Organ
018	Percussive Organ
019	Rock Organ
020	Church Organ
021	Reed Organ
022	Accordion
023	Harmonica
024	Tango Accordion
GUITAR	
025	Nylon Guitar
026	Steel Guitar
027	Jazz Guitar
028	Clean Guitar
029	Muted Guitar
030	Overdriven Guitar
031	Distortion Guitar
032	Guitar Harmonics
BASS	
033	Acoustic Bass
034	Finger Bass
035	Pick Bass
036	Fretless Bass
037	Slap Bass1
038	Slap Bass2
039	Synth Bass1
040	Synth Bass2
STRING	
041	Violin
042	Viola
043	Cello

No.	Name of Voice
044	Contrabass
045	Tremolo Strings
046	Pizzicato Strings
047	Orchestral Harp
048	Timpani
ENSEMBLE	
049	Strings Ensemble1
050	Strings Ensemble2
051	Synth Strings1
052	Synth Strings2
053	Choir Aahs
054	Voice Oohs
055	Synth Voice
056	Orchestra Hit
BRASS	
057	Trumpet
058	Trombone
059	Tuba
060	Muted Trumpet
061	French Horn
062	Brass Section
063	Synth Brass1
064	Synth Brass2
065	Soprano Sax
066	Alto Sax
REED	
067	Tenor Sax
068	Baritone Sax
069	Oboe
070	English Horn
071	Bassoon
072	Clarinet
PIPE	
073	Piccolo
074	Flute
075	Recorder
076	Pan Flute
077	Blown Bottle
078	Shakuhachi
079	Whistle
080	Ocarina
SYNTH LEAD	
081	Lead1(square)
082	Lead2(sawtooth)
083	Lead3(calliope)
084	Lead4(chiff)
085	Lead5(charang)
086	Lead6(voice)

No.	Name of Voice
087	Lead7(fifths)
088	Lead8(bass&lead)
089	pad1(newage)
090	pad2(warm)
091	pad3(polysynth)
092	pad4(choir)
093	pad5(bowed)
094	pad6(metallic)
095	pad7(halo)
096	pad8(sweep)
SYNTH EFFECT	
097	FX1(rain)
098	FX2(soundtrack)
099	FX3(crystal)
100	FX4(atmosphere)
101	FX5(brightness)
102	FX7(echoes)
103	Sitar
104	Banjo
ETHNIC	
105	Koto
106	Kalimba
107	Bagpipe
108	Fiddle
109	Shanai
110	Tinkle Bell
ARAB	
111	Watariyat
112	Arab Accordion 1
113	M1 Sax
114	Arab Organ
115	Cawalah
116	Nay
117	Mey
118	Kanoun 1
119	TS Mijwez
120	Oud
121	Bouzuki
122	EL Bouzuki
123	Live Zurna
124	Mizmar
125	Zaher Sawth 1
126	Zaher Sawth 2
127	Synth-R
128	Zaher-R
DRUMS	
129	Std. Kit
130	Arab. Kit

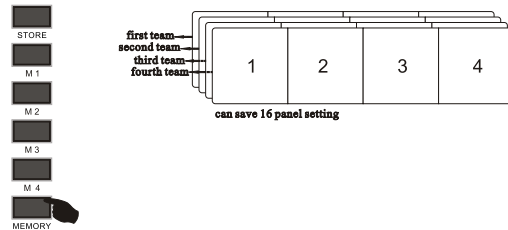
III. Basic Operation

MEMORY

This instrument is provided with registration memory function that can be used to save your favorite settings for the purpose to recalling them easily. By pressing MEMORY GR button, you can select between four memory groups and B1→B2→B3→B4 will be displayed in cycle.

By pressing and holding Status M button, **MEMORY** sign will light up in LCD. Press any key of M1~M4 to execute data saving operation (panel parameters to be saved: style and related function, voice and effect control). If you save the panel setting in the memory position including previous data, the new data will replace the previous data.

To recall saved panel setting, press Status M button to recall the memory group that saved your setting and then press M1~M4 buttons to call memory status



DEMO SONG

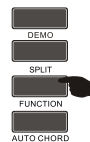
There are 4 Arabic demo songs of different styles for your appreciation. Press DEMO button to play demo song in cycle and **SONG** sign will light up in LCD. The default is 001 demo song. You can select demo songs by pressing +/- buttons or data dial and after a few seconds the demo song will be played automatically. Press DEMO button or START/STOP button can stop playing. Before playing demo songs, you can activate the functions of reverb and chorus to enrich the voice.



FUNCTION MENU

Press FUNCTION button to enter menu selection status. Select items of function by pressing +/- buttons or data dial.

Content Adjusted	LCD Display	Range Adjusted
Beat	Beat Num	0,2...9
Split Point	Split Pt	1...61
Reverb type		0-7
Reverb level	Reverb Lv	0-127
Chorus type	Chorus Tp	0-7
Chorus level	Chorus Lv	0-127



II. Preparation before performance

Fittings jack

1. Use of Headphone:

Connect headphone plug into HEADPHONE jack in the rear of electronic organ. Now the internal speakers are automatically switched off.



2. Use of Line Out:

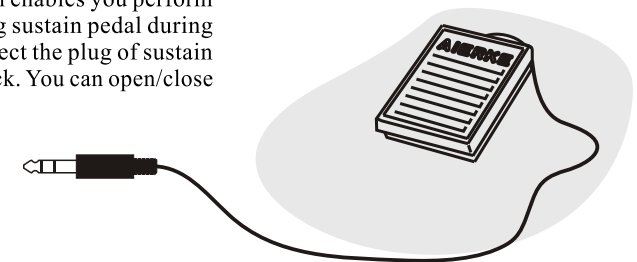
This electronic organ has built-in speaker system. Alternatively, it can also be connected to any external amplifier or hi-fi equipment. Insert one end of stereo audio cable into LINE IN or AUX IN jack of other hi-fi equipment, and IN or AUX IN jack of other hi-fi equipment, and connect the other end into LINE OUT jack in rear panel of electronic organ.

⚠ Cautions:

In order to prevent speaker from damaging, please adjust the volume of peripheral device to the lowest and when you begin with performing music, gradually increase volume to the extent you satisfy.

3. Use of Sustain Pedal:

The function of sustain enables you perform natural sustain by treading sustain pedal during performance. Please connect the plug of sustain pedal into SUS PEDAL jack. You can open/close the function



4. Jack of MIDI IN/OUT:

1. By linking MIDI tie line, you may connect MIDI-IN jack to another MIDI-compatible device to receive MIDI data of the electronic organ.

2. By linking MIDI tie line, you may connect MIDI-OUT jack to another MIDI-compatible device to transfer MIDI data of the electronic organ. When you perform a note, the corresponding MIDI data will be transferred. You can also control other MIDI devices by transferring program changing data.

III. Basic Operation

1. Turn on power switch:

After connecting AC adapter or installing batteries properly, press POWER button to turn on the electronic organ. To turn it off, Press the button once again.



2. Adjustment of Volume:

According to client's needs, rotate main volume knob to adjust master volume properly.



VOICE

1. Select Voice:

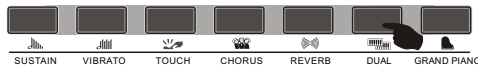
This electronic organ has 130 voices (00~130) for your choice, including 111 GM voices, 19 Arabic voices and 2 groups of drum (For detailed information, refer to Table of Voice).

The system default VOICE R 1 is 001 voice and LCD displays 001 Grand Pno. Press VOICE button to enter voice selecting status. Select the voice you need by pressing +/- buttons, digit buttons, data dial, or five direct selection buttons (each button corresponds to two voices: A or B).



2. DUAL VOICE:

When you press DUAL VOICE button, will be highlighted. LCD displays the current serial number of voice in the right lower layer and voice name and **VOICE R2** sign will be displayed below, default voice being 050 voice. Two different voices are produced simultaneously in one sonolayer. You can select dual voice you need by pressing direct voice selection buttons, data dial, +/- buttons and digit buttons. Press the DUAL VOICE button once again to close the dual voice effect and restore the voice and display of upper layer.



3. GRAND PIANO:

When you press GRAND PIANO button, its voice will be selected as Lead. To perform the piano voice, what you should do is just to press a shortcut button. (when Rhythm is started, press the button to stop playing rhythm).



III. Basic Operation

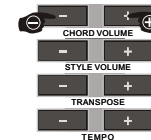
5. AUTO CHORD:

Pressing AUTO CHORD button during style playing, the corresponding LED will light up and auto chord function is activated. Now the left-hand zone is auto chord zone (single chord and fingered chord) and the electronic organ can identify it automatically. When style playing is stopped, the chord played in keyboard accompaniment zone can also be identified and played. As a matter of fact, the keyboard is turned into a keyboard split. Now you can play base chord with left hand while play normal selected pitch with right hand.



6. CHORD VOLUME:

Press CHORD VOL +/- buttons to lift or lower chord volume gradually and corresponding value will be displayed in LCD. The largest adjustable range is 0~31. Press CHORD VOL +/- buttons simultaneously to close chord volume.



Record Function

Press RECORD button to enter record standby status, sign will be displayed in LCD. After selecting track, the LED corresponding to the track will light up, representing that the track enters record standby status. Beat point will be displayed as per current tempo and the LED will flash. Track 1 is accompaniment track while track 2 and 3 are theme track.

To record track 1 (style function and auto chord), press START/STOP button and then any key to begin recording; to record track 2 and 3 (pitch and control effect), play keyboard to begin recording. Accompaniment track and theme track can be recorded simultaneously. If memory is used up during recording, the recording will be ended automatically; in the state of activating style, press END button to automatically end recording after the end is finished; press RECORD button once again during recording to end recording. All the LEDs corresponding to recording tracks will light up, representing that the tracks have recorded contents in open status.

Press PLAY button to begin playing records. You can play the record in three tracks simultaneously. Press PLAY button once again to stop playing. Press MENU button to directly delete recorded contents in the tracks.



III. Basic Operation

Rhythm and related function

1. Style Select:

This electronic organ has 137 styles for your choice. (refer to the Table of Rhythm)

Press STYLE button to enter style selection, and **STYLE** sign will be displayed in LCD. Select the style you need by pressing +/- buttons, digit buttons or data dial. The preset STYLE is 001 Dance1. You can also select using five direct selection buttons with each button corresponding to two styles: A and B. During style playing, you can also use the function of reverb and chorus to enhance performing effect.



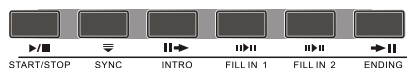
2. Style Control:

① **To activate style:** after selecting style, press START/STOP button to play style. After pressing INTROS button and then START/STOP button, various styles will lead style by proper intros to normal status. Using with accompaniment, many intros can produce special chord variation and modification to enrich your performance.

② **To activate Sync:** after pressing SYNC button, beat sign $\gg \gg \gg$ will flash in LCD, representing that the electronic organ enters a status of Sync and standby. Press any key (when auto chord is activated, you must press a key in auto chord zone of keyboard) to play style automatically. (To add intros before activating Sync, you can press STYLE button).

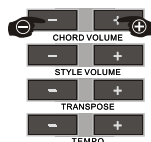
③ **To insert Fill-In:** during STYLE play, press Fill-In 1 button (NOR displayed in LCD) or Fill-In 2 button (VAR displayed in LCD) to insert a Fill-In in the style of play and then return to original theme, enhancing performing effect.

④ **To stop style:** press START/STOP button to stop playing style immediately. During style play, press END button to lead the end of style with an END at various accompaniment.



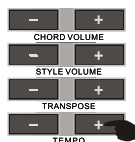
3. STYLE VOLUME:

Press STYLE VOLUME +/- buttons to lift or lower style volume gradually, and correspondent value will be displayed in LCD. The largest adjustable range is 0~31. Press style volume +/- buttons simultaneously to close style volume.



4. TEMPO:

Press TEMPO +/- buttons to adjust tempo with the largest adjustable range of 30~280, and corresponding tempo value will be displayed in LCD. To restore to preset tempo of current style, press tempo +/- buttons simultaneously.



III. Basic Operation

Effect Control

1. SUSTAIN:

When you press SUSTAIN button, **SUSTAIN** sign will be displayed in LCD. Sustain is to add slow and natural fall to the voice, making certain instrument voice true to life. Press SUSTAIN button once again to close the effect. The sustain effect can be also realized by treading SUS PEDAL.



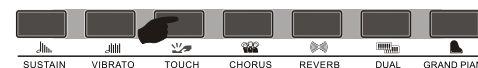
2. VIBRATO:

When you press VIBRATO button, **VIB** sign will be displayed in LCD. Now the keys will produce vibrato effect. Press VIBRATO button once again to close the effect.



3. TOUCH:

You can control finger force on the keys by this function, realizing dynamic change of volume. After you turn on the electronic organ, the preset keyboard touch function is automatically started. **TOUCH** sign will be displayed in LCD, the default state being 002. By pressing TOUCH button, The state 001 → 002 → 003 → OFF will form a cycle of operation.



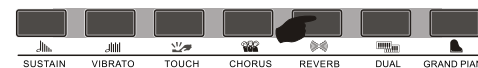
4. CHORUS:

After you turn on the electronic organ, the preset chorus function is automatically started. **CHORUS** sign will be displayed in LCD. To adjust chorus type or chorus level, you may select CHORUS TP/CHORUS LV state in FUNCTION menu and select the chorus effect by data dial or +/- buttons. When you press CHORUS button and the chorus sign **CHORUS** fades, the chorus effect is closed.



5. REVERB:

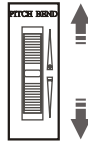
After you turn on the electronic organ, the preset reverb function is automatically started. **REVERB** sign will be displayed in LCD. To adjust reverb type or reverb level, you may select REVERB TP/REVERB LV state in FUNCTION menu and select the reverb effect by data dial or +/- buttons. When you press REVERB button and the reverb sign **REVERB** fades, the reverb effect is closed.




III. Basic Operation

6. PITCH BEND:

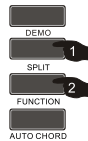
The pitch wheel can add smooth pitch change to the notes performed. When you play keyboard with right hand, turn the pitch wheel upwards or downwards with left hand. Upward rolling can lift pitch while downward rolling can lower pitch.




7. KEYBOARD SPLIT:

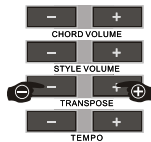
When you press KEYBOARD SPLIT button,  sign will be displayed in LCD. The whole keyboard will be divided into two individual zones: left zone and right zone. Before you select keyboard, the preset bass pitch is No. 50 Strings2 and **VOICE 1** sign will be displayed below. The left keyboard pitch can be selected by direct selection buttons, data dial, digit buttons and +/- buttons. Press KEYBOARD SPLIT button once again to close the split function.

To select split point, press FUNCTION menu and select SPLIT PT, then press a key as split point and press KEYBOARD SPLIT button once again, loosen the button to exit the split function. The key pressed is the new split point.




8. TRANSPOSE:

After you turn on the electronic organ, the preset transpose function is automatically started with an initial value of 0.  sign will be displayed in LCD. By pressing transpose +/- buttons, you can lift or lower the pitch of electronic organ by the unit of semitone, altogether ± 12 steps. Press transpose +/- buttons simultaneously to restore original pitch.



9. METRONOME:

When you press METRONOME button,  sign will flash in LCD. To set metronome point, you can press FUNCTION menu and select BEAT NUM, and then select beat point by +/- buttons or data dial in the range of 0, 2, 3-9. You can also activate metronome in rhythm play.



10. ARABIC SCALE

What is Arabic Scale?

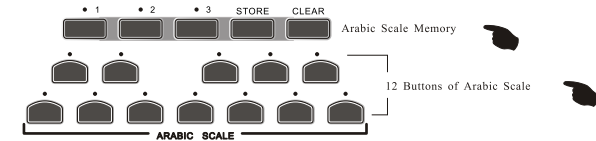
While so-called "Western" music is based on the use of a single intonation scale (Equal scale), Oriental music boasts the use of several different "Arabic Scales", all, however, based on the lowering of the pitch by 1/4 of a tone of one or more notes of the standard chromatic scale.

III. Basic Operation

The name "Arabic Scale" is a general term which describes all the possible configurations which can be obtained by lowering the pitch (always by 1/4 of a tone) of one or more notes of the standard chromatic scale.

Where is the Arabic Scale?

The control centre of the Arabic Scale consists of two distinct sections, both located underneath the LCD screen of the ARK-2187 Oriental. They are the Arabic Scale buttons and the memory buttons.



The Arabic Scale section is easily identified by the 12 circular buttons laid out in the same manner as an octave of black and white notes.

The Arabic Scale memory is located above the Arabic Scale. This section groups together several different functions. Here's breakdown of each function:

- 1, 2, 3: Memory slots for user-programmed Arabic Scale
- CLEAR: Cancels the selected Arabic Scale
- Store: Memorizes user-programmed Arabic Scales.

How to set a new Arabic Scale in real-time?

You can configure your own Arabic Scale at any time while you play.

1. Set the Arabic Scale of your choice by pressing one or more buttons of the Arabic Scale section. The led of the buttons pressed lights up to indicate which notes of the scale are affected.
2. Play on the keyboard, and while playing, activate or deactivate the Arabic Scale buttons at will. If you press an active button (LED on), it will be cancelled (the LED indicator goes off).

You can also modify an active preset Arabic Scale by adding or removing one or more Arabic notes to the currently selected scale.

If after modifying a preset Arabic Scale, you press a memory button (1, 2, 3) you will cancel the current scale and recall a preset scale.

How to store a user-programmed Arabic Scale?

1. Set a preferred Arabic Scale using the methods described earlier.
2. Hold down the STORE button.
3. With the STORE button held, press the memory button (1, 2, or 3) wherever you want to store your Arabic Scale configuration.

NOTE: Arabic Scale memories cannot be saved permanently in the machine's Flash Memory. After you turn the power off, all memories will be erased.