



RJ361 61 key Multi-function Keyboard

User Guide

Important Information

Be sure to obey the following information so as not to harm yourself or others or damage this instrument or other external equipment.

Power adapter:

- Please use only the specified AC adapter supplied with the product. An incorrect or faulty adapter can cause damage to the electronic keyboard.
- Do not place the AC adapter or power cord near to any source of heat such as radiators or other heaters.
- To avoid damaging the power cord, please ensure that heavy objects are not placed on it and that it is not subject to stress or over bending.
- Check the power plug regularly and ensure it is free from surface dirt. Do not insert or unplug the power cord with wet hands.

Do not open the body of the electronic keyboard:

- Do not open the electronic keyboard or try to disassemble any part of it. If the device is not functioning correctly, please stop using it and send it to a qualified service agent for repair.

Use of the electronic keyboard:

- To avoid damaging the appearance of the electronic keyboard or damaging the internal parts please do not place the electronic keyboard in a dusty environment, in direct sunlight or in places where there are very high or very low temperatures.
- Do not place the electronic keyboard on an uneven surface. To avoid damaging internal parts do not place any vessel holding liquid onto the electronic keyboard as spillage may occur.

Maintenance:

- To clean the body of the electronic keyboard wipe it with a dry, soft cloth only.

Connection:

- To prevent damage to the speaker of the electronic keyboard please adjust the volume of any peripheral device to the lowest setting and gradually adjust the volume accordingly to an appropriate level once the music is playing.

During operation:

- Do not use the keyboard at the loudest volume level for a long period.
- Do not place heavy objects onto the keyboard or press the keyboard with undue force.
- The packaging should be opened by a responsible adult only and any plastic packaging should be stored or disposed of appropriately.

Specification

- Specifications are subject to change without notice.

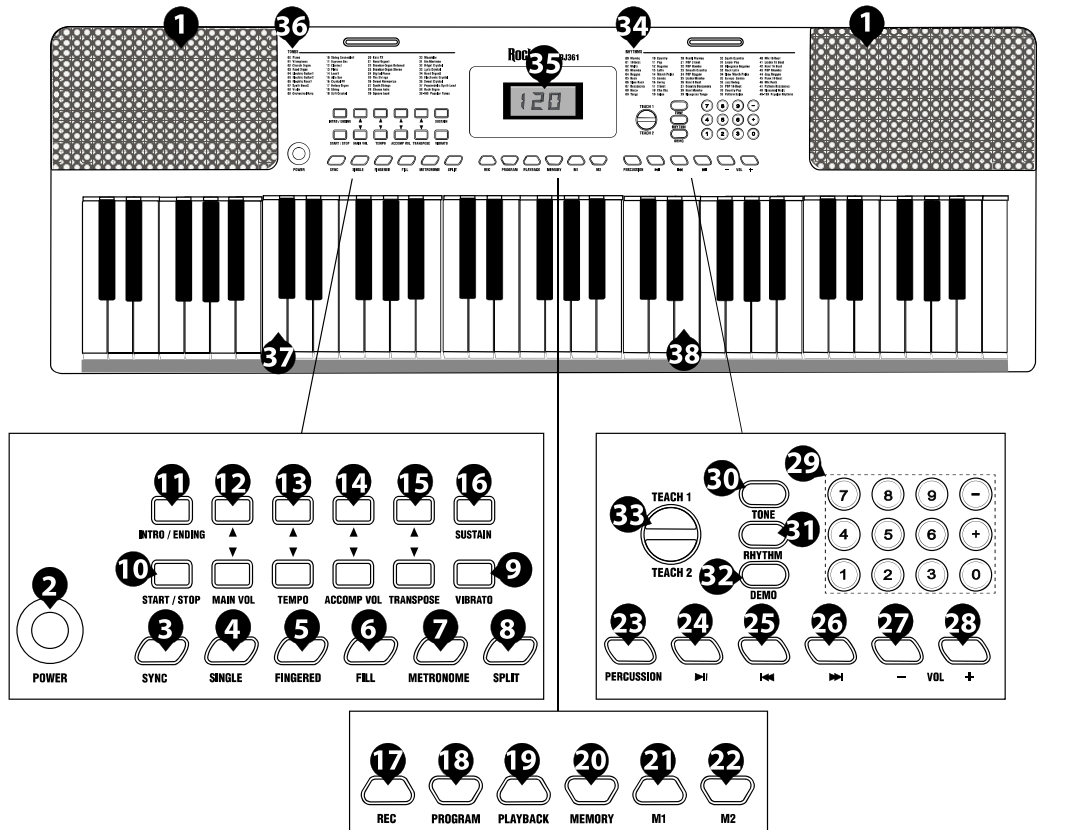
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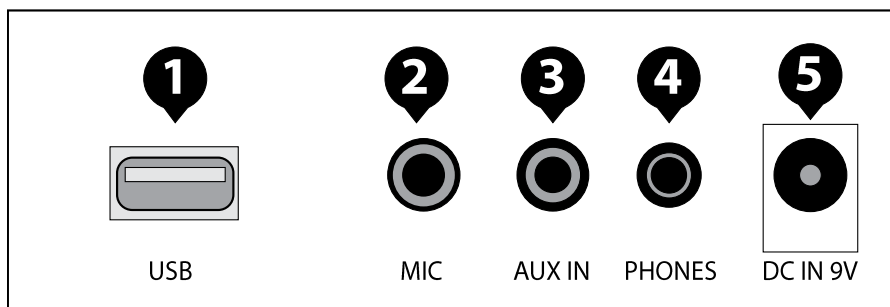
Controls, Indicators and External Connections

Front Panel



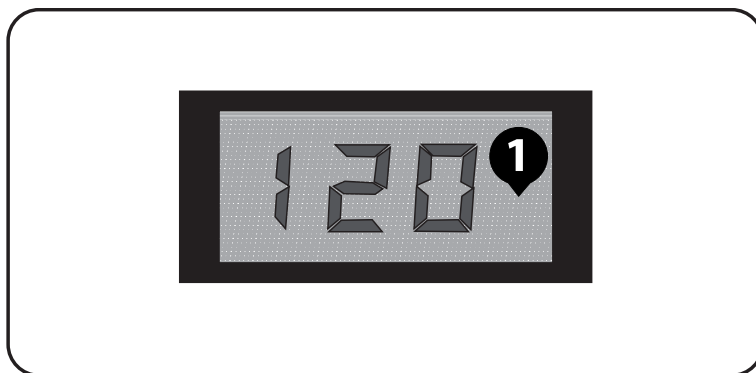
- | | | |
|-------------------------|------------------------------|---------------------------|
| 1. Stereo Speakers | 14. Accompaniment Volume +/- | 27. Music Volume - |
| 2. Power Switch | 15. Transpose | 28. Music Volume + |
| 3. Sync | 16. Sustain | 29. Number Pad |
| 4. Single Finger Chords | 17. Record | 30. Tone |
| 5. Fingered Chords | 18. Rhythm Program | 31. Rhythm |
| 6. Fill In | 19. Playback | 32. Demo |
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| 8. Split Keyboard | 21. Memory Storage 1 | 34. Rhythms List |
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| 11. Intro / Ending | 24. Play/ Pause | 37. Chord Keyboard Area |
| 12. Main Volume +/- | 25. Previous Track | 38. Keyboard Playing Area |
| 13. Tempo [Fast/Slow] | 26. Next Track | |

External Connections



1. USB Input (For MP3 Playback)
2. MIC Input (For Electret Microphone)
3. AUX IN (For Music Playback)
4. Headphone Output
5. DC 9V Power Input

LED Display



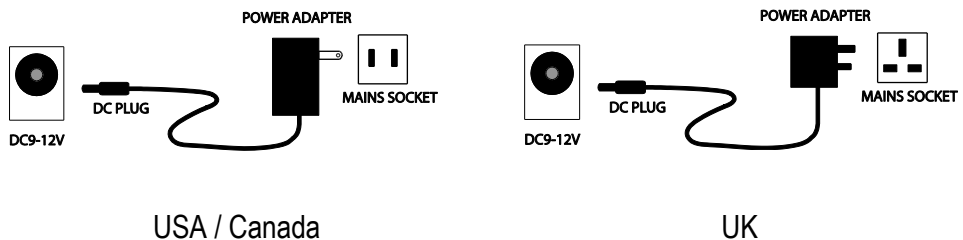
1. 3-Digit LED Display

Preparation Before First Use

Power

Use of AC/DC power adapter:

Please use the AC/DC power adapter that came with the electronic keyboard or a power adapter with DC 9V output voltage and 500mA output current with a centre positive plug. Connect the DC plug of the power adapter into the DC 9V power socket on the rear of the keyboard and then connect the other end into the mains wall socket and switch on.



Caution: When the keyboard is not in use you should unplug the power adapter from the mains power socket.

Battery operation:

Open the battery lid on the underneath of the electronic keyboard and insert 6 x 1.5V Size AA alkaline batteries. Ensure the batteries are inserted with the correct polarity and replace the battery lid.

Caution: Do not mix old and new batteries. Do not leave batteries in the keyboard if the keyboard is not going to be used for any length of time. This will avoid possible damage caused by leaking batteries.

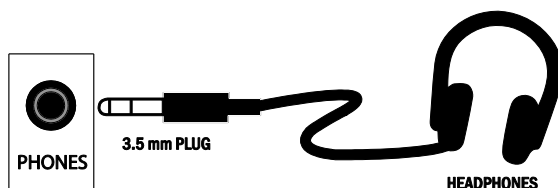
Auto power off:

The keyboard has a power save function that switches the keyboard off after a period of not being played. Press the power on / off button to switch back on.

Jacks and Accessories

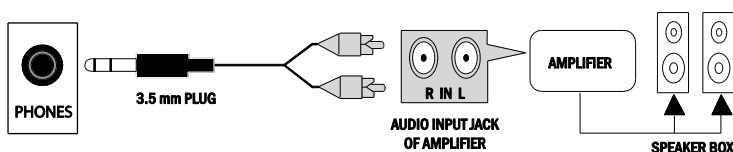
Using headphones:

Connect the 3.5mm headphone plug into the [PHONES] jack on the rear of the keyboard. The internal speaker will cut off automatically once headphones are connected. Headphones not included.



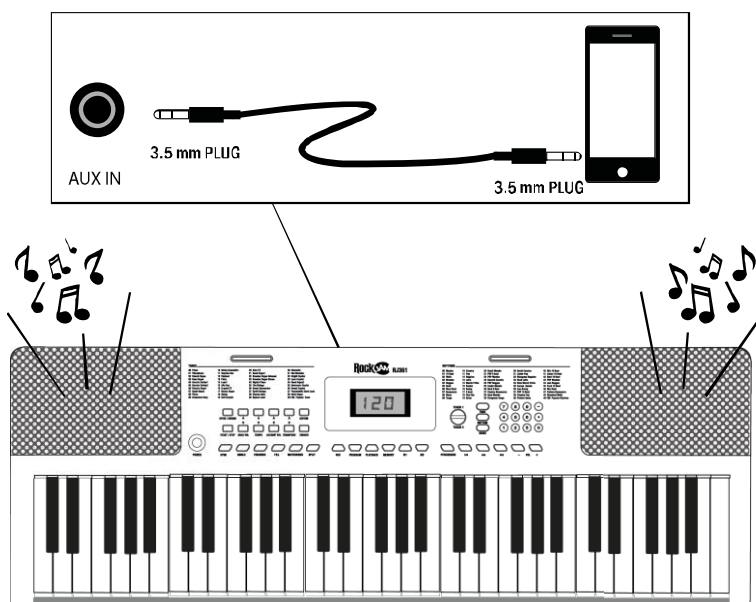
Connecting an Amplifier or Hi-Fi Equipment:

This electronic keyboard has a built in speaker system but it can be connected to an external amplifier or other hi-fi equipment. First turn off the power to the keyboard and any external equipment you are looking to connect. Next insert one end of a stereo audio cable (not included) into the LINE IN or AUX IN socket on the external equipment and connect the other end into the [PHONES] jack on the rear of the electronic keyboard.



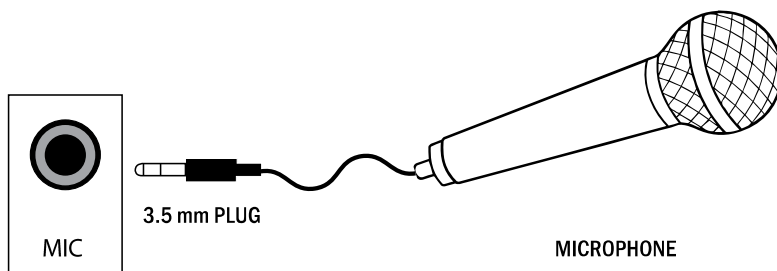
Connecting a phone or audio device to the AUX Input to play music through the keyboard:

This keyboard has a built-in speaker system that can be used to play music from your phone or mobile device. Insert one end of a stereo audio cable into the AUX IN socket on the back of the keyboard and connect the other end into your phone or audio device. Make sure the keyboard is switched on. Use the volume control of the phone to control the music volume. AUX in cable not included.



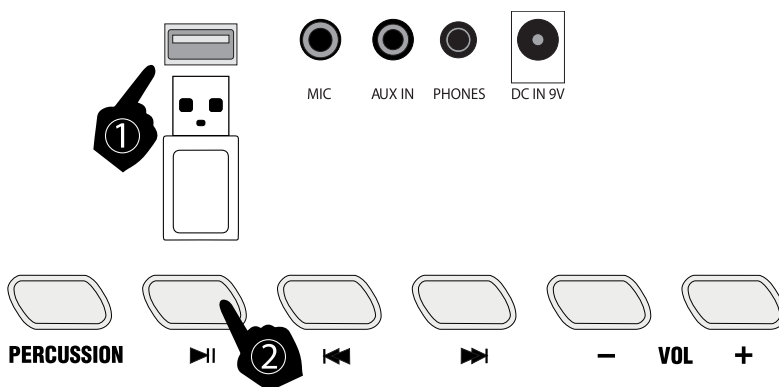
Connecting a Microphone:

Connect the 3.5mm microphone plug into the [MIC] jack on the rear of the keyboard. Note that the keyboard requires an electret or condenser microphone, not supplied.



Playing MP3 Music Files from a USB Memory Stick:

Insert the USB memory stick into the USB input at the rear of the keyboard. Press the PLAY/PAUSE key to start and stop the music playback. Once the music has started playing you can skip forward and backward through the MP3 tracks by pressing the control buttons. Adjust the volume of the music playback with the VOL – and + keys. Use the keys on the keyboard to play along.

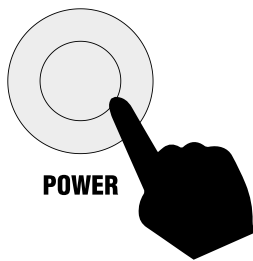


Keyboard Operation

Power and Volume

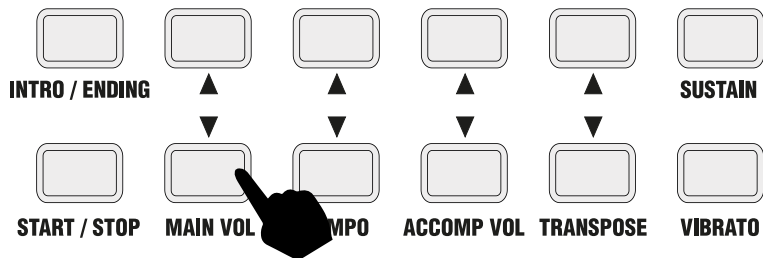
Power control:

Press the [POWER] button to turn the power on and again to turn the power off. The LED display will light to indicate power on.



Adjustment of the Master Volume:

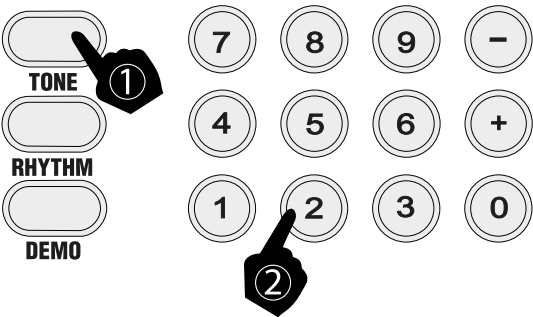
The keyboard has 16 levels of volume from V00(off) - V15. To change the volume, touch the [MAIN VOL +/-] buttons. The volume level is indicated by the LED display. Pressing both the [MAIN VOL +/-] buttons at the same time will make the Main Volume return to the default level (level V10). The main volume level will revert to level V10 after power off and on.



Tone

Tone Selection:

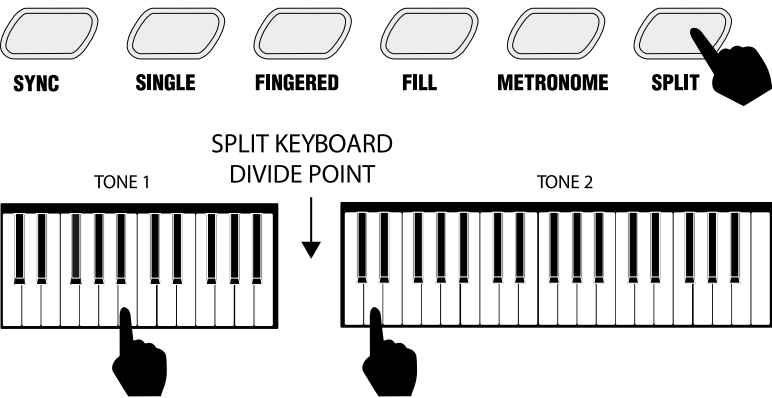
When the keyboard is switched on the default TONE is “000” Grand Piano. To change the tone, touch the TONE button first and then directly put in the number code on the keypad by pressing the corresponding digits 0-9. The tones can also be changed by using the + / - buttons. Refer to Appendix III for a list of the available tones.



Effect & Control

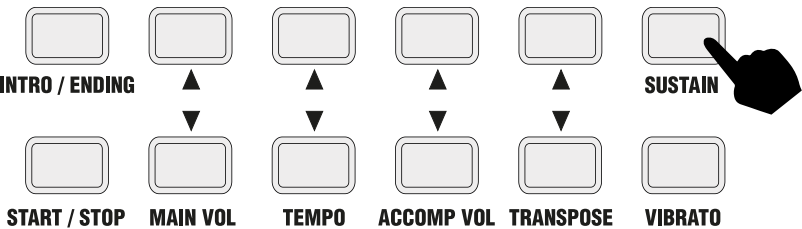
Split Keyboard:

To switch on Split Keyboard mode press the [SPLIT] button, the LED will show [SPL]. The keyboard will split into two keyboards at the 24th key from the left. You can adjust the TONE of the right hand side of the keyboard by pressing the corresponding digits 0-9 on the numerical keypad. The TONE of the left hand side of the keyboard will remain set to the tone chosen before the Split Keyboard mode was entered. In Split Keyboard mode the pitch of the left hand keys are raised by one octave and the right hand keys lowered by one octave. Press the [SPLIT] button again to exit Split Keyboard mode.



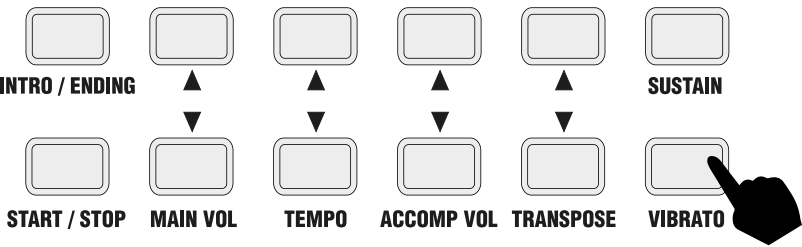
Sustain:

Touch the [SUSTAIN] button to enter Sustain mode. The LED display will briefly display [SUS] to indicate sustain is on. Once this mode is selected the sound of each note played is prolonged. Touching the [SUSTAIN] button again will turn the sustain feature off and exit this mode.



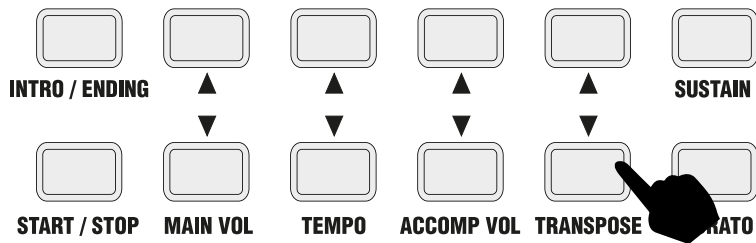
Vibrato:

Touch the [VIBRATO] button to enter Vibrato mode. The LED display will briefly display [Vib]] to indicate that vibrato is on. Once this mode is selected each time a note is played a trembling effect is added to the end of the note. Touching the [VIBRATO] button again will turn the Vibrato feature off and exit this mode.



Transpose:

Touching the [TRANSPOSE +/-] buttons alters the musical scale of the note being played. You can adjust the scale by 6 levels upwards or downwards. Pressing both the [TRANSPOSE +/-] buttons at the same time will make the musical scale revert to 00. The transpose level will be reset to 00 after power off and on.



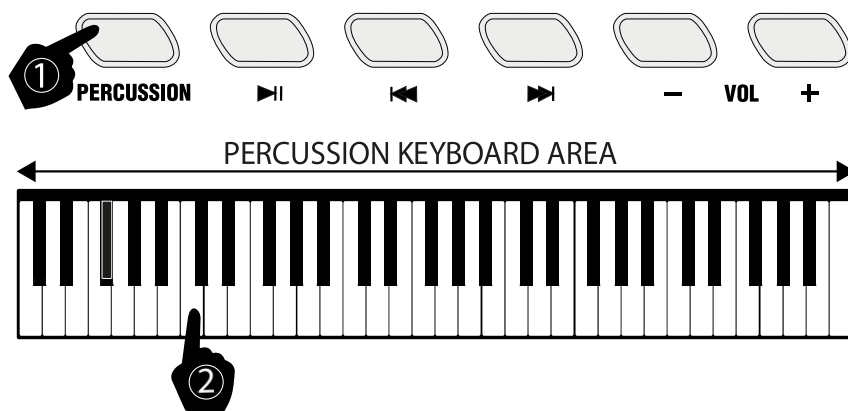
Metronome:

Touch the [METRONOME] button to start the tick-tock beat. There are four beats to choose from. Depending on what the performance needs, you can touch the [TEMPO + / -] buttons to speed up or slow down. Press the [METRONOME] button repeatedly to cycle through to the required beat pattern. The LED display will indicate the beat you have chosen. The metronome effect is added to the music once you start playing. To exit this mode touch the [START/STOP] or [METRONOME] button again.



Panel Percussion Instruments:

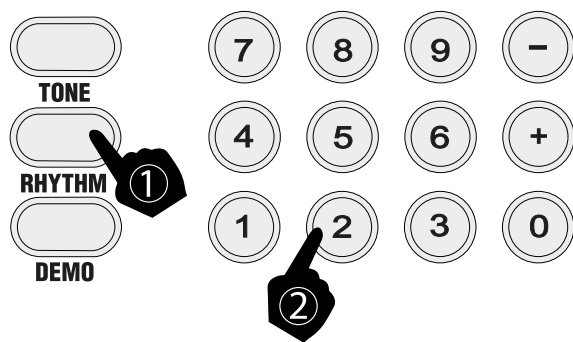
When the [PERCUSSION] button is touched the keyboard's keys turn into a percussion instrument, the LED will show [PrC] to indicate percussion mode. Play the keyboard accordingly and the percussion sounds will be heard. Touch the [PERCUSSION] button again to exit Percussion mode. Refer to Appendix I. for a table of the 61 percussion sounds available.



Rhythm

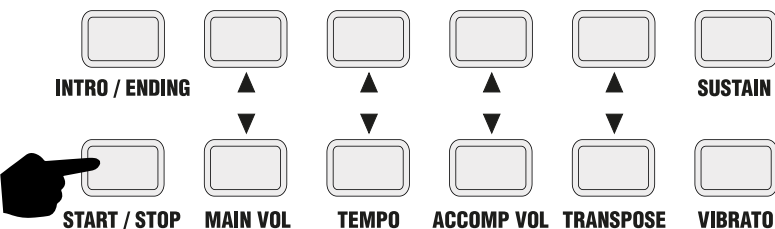
Selecting the rhythm:

You can choose from any of the 200 built in rhythms. Please refer to the Appendix II. for the detailed rhythm table. Touch the [RHYTHM] button to enter the rhythm selection function. The LED display will show the current rhythm number. You can select the rhythm you require by pressing the corresponding digits on the numerical keypad or by pressing the + / - buttons.



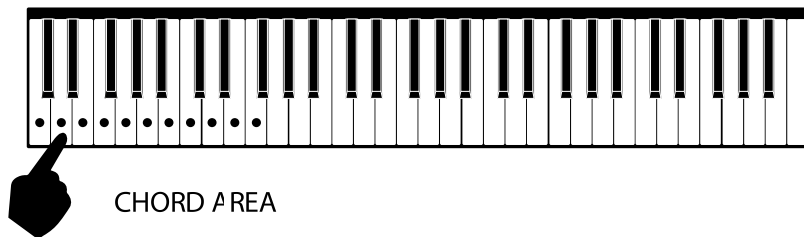
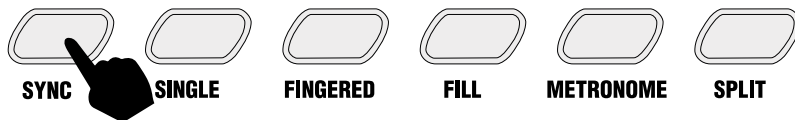
Start / Stop:

Touch the [START / STOP] button to play the rhythm. Touch the [START / STOP] button again to stop the rhythm playback



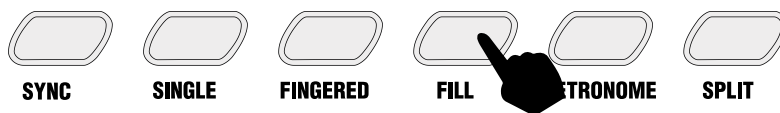
Sync:

Touch the [SYNC] button to select the sync accompaniment function. Pressing any of the first 19 keys on the left hand side of the keyboard will start the rhythm playing. Touch the [START / STOP] button to stop the rhythm and exit the sync function.



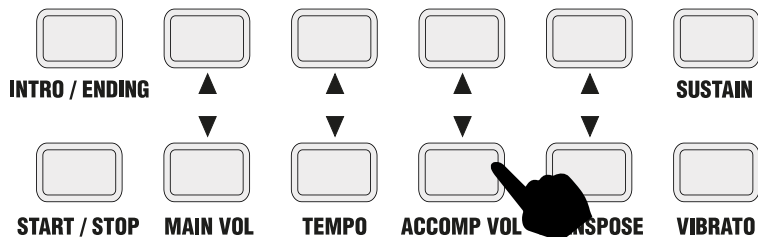
Fill in:

You can fill in a length of interlude if you touch the [FILL] button during the rhythm playback. After the fill in, the rhythm will continue playing as normal.



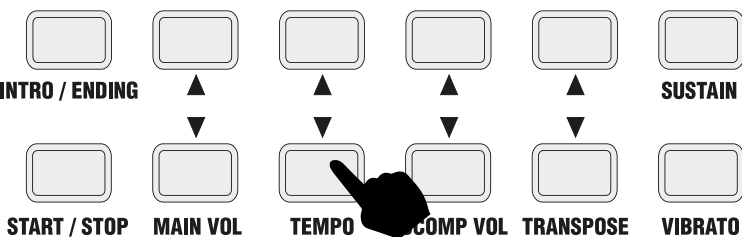
Accompaniment Volume Adjustment:

The Accompaniment Volume can be adjusted by pressing the [ACCOMP VOLUME +/-] buttons. The LED display will show the volume as you are adjusting it. The adjustment range has 16 levels which are displayed as 000 – 015 and indicated by the bars on the LED display. Pressing both the [ACCOMP VOLUME +/-] buttons at the same time will make the Accompaniment Volume return to the default level (level 010). The Main Volume control will also affect the output level of the accompaniment. At power on the accompaniment volume will reset to the default level.



Tempo Adjustment:

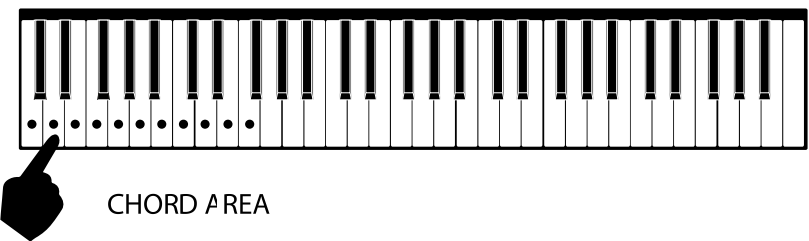
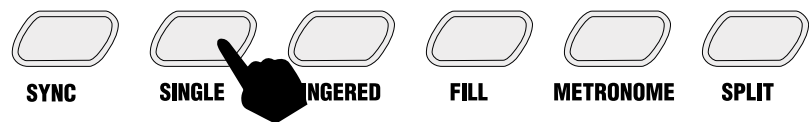
Touch the [TEMPO +/-] buttons to adjust the playing tempo of the rhythm, metronome and demo song. The adjustment range is 30-240 bpm. Pressing both the [TEMPO +/-] buttons at the same time will make the tempo revert to the default tempo for the rhythm selected. At power on the tempo will revert to 120 bpm.



Chord Accompaniment

Single Finger Chords:

Touch the [SINGLE] button to activate the single finger chord function. The LED screen will display [C-1] Chords are played by pressing certain keys in the chord area on the left hand side of the keyboard (keys 1-19). The finger patterns required are shown in Appendix VI. Touch the [START / STOP] button to start or stop the chord accompaniment. Press the [SINGLE] button again to exit single finger chord mode

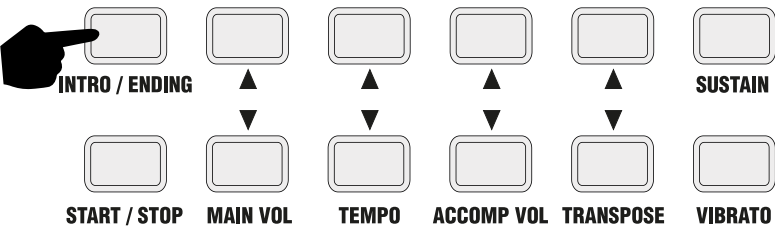


Fingered Chords:

Touch the [FINGERED] button to activate the fingered chord function. The LED screen will display [C-2] Chords are played by pressing certain keys in the chord area on the left hand side of the keyboard (keys 1-19). The finger patterns required are shown in Appendix VI. Touch the [START / STOP] button to start or stop the chord accompaniment. Press the [FINGERED] button again to exit fingered chord mode. **Note that no sound will be produced unless the correct finger patterns are formed.**

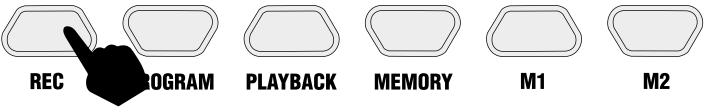
Intro / Ending

Touch the [INTRO / ENDING] button to enable the intro section. When the intro finishes playing, accompaniment shifts to the main section. Touch [INTRO / ENDING] button again to enable the ending section. When the ending is finished, the auto accompaniment stops automatically.



Recording Function

Touch the [REC] button to enter the recording mode. The LED will indicate that the recording function is on by showing [rEC] on the LED display. Press any key to start recording. The maximum recording capacity is 46 notes. When the recording capacity is full the LED display will show [FUL]. Each time you touch the [REC] button, the previous memory will be cleared and the keyboard will enter the recording mode again.



Touch the [PLAYBACK] button to play back the recorded notes.



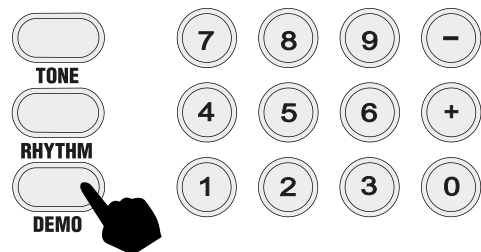
Rhythm Programming

Press the [PROGRAM] button to activate the Rhythm Program mode. The LED will indicate that the rhythm program function is on by showing [Pr9]. You can then play the keyboard and record your percussion track (up to 46 percussion beats). To listen to your piece touch the [PLAYBACK] button and the keyboard will playback your edited percussions. You can then play along to your recorded percussion. You can also adjust the speed of the playback using the [TEMPO +/-] buttons. To cancel the Programming mode, touch the [PROGRAM] button again.



Demo Songs:

Touch the [DEMO] button to play a demo song. The LED display will show [dXX] where XX is the number of the demo song, from 00 to 39. By pressing the + and - button on the numerical keypad you can choose the demo song you require. There are 40 demo songs to choose from in total. The keyboard will finish the chosen song and then play the next song. Touch the [DEMO] button again to exit the demo mode. Refer to Appendix IV. for a list of the available Demo songs.



Setting Memories M1 and M2

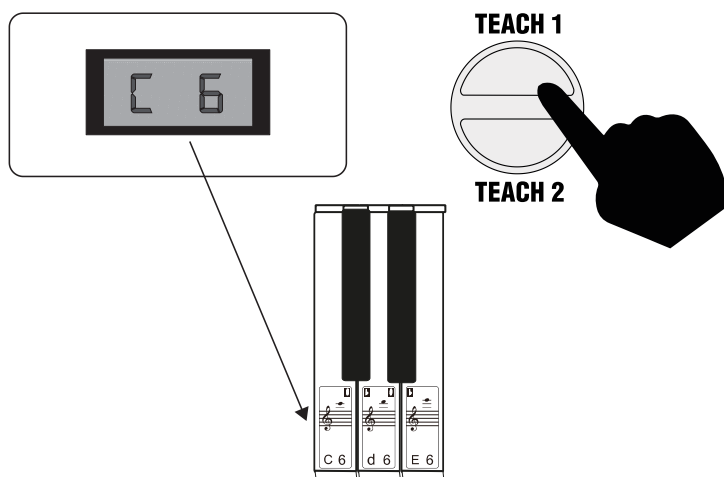
The keyboard has two built in memories for saving specific tones, rhythms, and tempos. Before performing, select the TONE, RHYTHM and TEMPO you wish to use. While holding the [MEMORY] button, press the [M1] or [M2] button, the LED display will show [S1] or [S2] and this will save the keyboard settings to that memory. You can access the stored settings by touching the [M1] or [M2] buttons before performing, the LED display will show [n1] or [n2]. **Note that the M1 and M2 memories will be cleared after the keyboard is switched off and back on again.**



Teaching Modes

Beginner Course:

Touch the [TEACH 1] button to enter the Beginner Course teaching mode. This mode is suitable for beginners to familiarise themselves with the rhythm and tempo of the song. The LED display will show [dXX] where XX is the number of the song selected, from 00 to 39 (refer to Appendix IV for the list of songs). Use the keypad or + - keys to select the desired song. The beat point will flash on the LED display to indicate the tempo. The LED display will indicate which key should be pressed, for example C 6. Use the key stickers provided with the keyboard applied to the keys in order to know which key to press. The keyboard will play the main melody in time with any key presses, even incorrect ones.



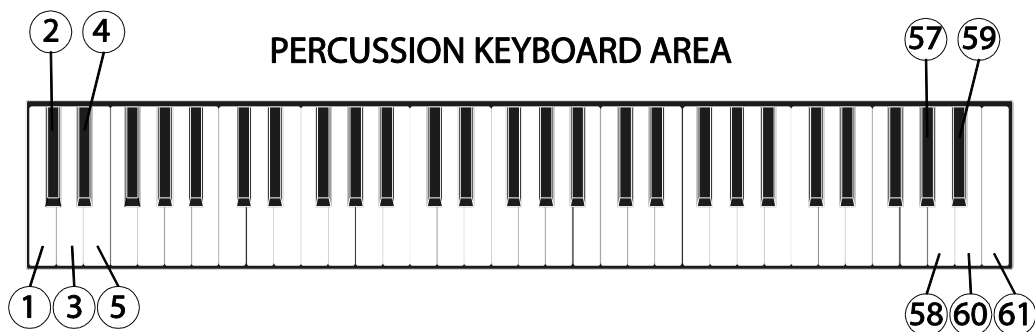
Advanced Course:

Touch the [TEACH 2] button to enter the Advanced Course teaching mode. This mode is suitable for more advanced users. The LED display will show [d00] where XX is the number of the song selected, from 00 to 39 (refer to Appendix IV for the list of songs). Use the keypad or + - keys to select the desired song. The beat point will flash on the LED display to indicate the tempo. The LED display will indicate which key should be pressed, for example C 6. Use the key stickers provided with the keyboard applied to the keys in order to know which key to press. The keyboard will play the main melody in time with any key presses.

Progressive Learning:

- In general, follow the sequence below to master any of the included songs.
- Listen to the song in DEMO mode to get an idea of the note timings and beat. When confident move on to the next stage.
- Access the same song in Beginner Course mode (TEACH 1) and duplicate the note timings and key presses. When mastered move onto the Advanced Course (TEACH 2).

Appendix I. Percussion Instruments



61 Percussion Sounds

C2	C#2	D2	D#2	E2	F2	F#2	G2	G#2	A2	
A#2	B2	C3	C#3	D3	D#3	E3	F3	F#3	G3	
G#3	A3	A#3	B3	C4	C#4	D4	D#4	E4	F4	
F#4	G4	G#4	A4	A#4	B4	C5	C#5	D5	D#5	
E5	F5	F#5	G5	G#5	A5	A#5	B5	C6	C#6	
D6	D#6	E6	F6	F#6	E6	G#6	A6	A#6	B6	
C7										

Appendix II. Rhythm Table

No.	Rhythm Name	No.	Rhythm Name
00	Mambo	25	Lieder Mambo
01	16 Beat	26	Hard 8 Beat
02	Waltz	27	Country Bossanova
03	Rhumba	28	Hard Mambo
04	Reggae	29	Bluegrass Tango
05	Rock	30	South Country
06	Slow Rock	31	Lieder Pop
07	Bossanova	32	Bluegrass Beguine
08	Disco	33	Rock Latin
09	Tango	34	Slow March Polka
10	Country	35	Europe Samba
11	Pop	36	Jazz Swing
12	Beguine	37	POP 16 Beat
13	Latin	38	Country Pop
14	March Polka	39	Pattern Salsa
15	Samba	40	Mix 16 Beat
16	Swing	41	Lieder 16 Beat
17	8 Beat	42	Hard 16 Beat
18	Cha Cha	43	POP Rhumba
19	Salsa	44	Jazz Reggae
20	Brazil Mambo	45	Punk 16 Beat
21	POP 8 Beat	46	Mix Rock
22	POP Mambo	47	Pattern Bossanova
23	Smooth Country	48	Classical Waltz
24	POP Reggae	49-199	Popular Rhythms

Appendix III. Tone Table

No.	Tone Name	No.	Tone Name
00	Piano	20	Koto FX
01	Vibraphone	21	Reed Organ1
02	Church Organ	22	Drawbar Organ Detuned
03	Reed Organ	23	Drawbar Organ Stereo
04	Electric Guitar1	24	Digital Piano
05	Electric Guitar2	25	The Strings
06	Electric Bass1	26	Sweet Harmonica
07	Synth Bass2	27	Synth Strings
08	Violin	28	Chorus Aahs
09	Orchestral Harp	29	Square Lead
10	String Ensemble1	30	Mandolin
11	Soprano Sax	31	Sin Marimba
12	Clarinet	32	Bright Crystal

13	Flute	33	Lyric Crystal
14	Lead1	34	Reed Organ2
15	Alto Sax	35	Electronic Crystal
16	Crystal FX	36	Sweet Crystal
17	Rotary Organ	37	Psychedelic Synth Lead
18	String	38	Rock Organ
19	Soft Crystal	39-199	Popular Tones

Appendix IV. Demo Song Table

No.	Name of Song	No.	Name of Song
00	The cherry tree	20	Fur Elise
01	Brown	21	Mary had a little lamb
02	The cherry blossom	22	If you're happy and you know it
03	Come back	23	Dream wedding
04	Dream	24	He's got the whole world in his hands
05	Lambada	25	A maiden's prayer
06	Mozart piano sonata	26	Spanish guitar
07	Let it go	27	Greensleeves
08	Passionate	28	Rainstorm
09	Music box dancer	29	Bagpipe
10	Amazing Grace	30	Classical concert
11	Flight of the bumble bee	31	Imperial garden
12	Happy birthday to you	32	Carcassi etude, op. 60, no. 3
13	Twinkle twinkle little star	33	A state of mind
14	Canon	34	Italian polka
15	Four seasons spring march	35	The fountain
16	Heippanpo	36	Cuckoo waltz
17	Loch Lomond	37	Clementine sonata
18	Red river valley	38	Chopin nocturnes
19	Serenade - Haydn	39	Mozart sonata k 284

Appendix V. Troubleshooting

Problem	Possible Reason / Solution
A faint noise is heard when turning the power on or off.	This is normal and nothing to worry about.
After turning the power on to the keyboard there was no sound when the keys were pressed.	Check the master volume is set to the correct volume. Check that headphones or any other equipment are not plugged into the keyboard as these will cause the built-in speaker system to cut off automatically. Check that fingered chord mode is not selected. Incorrect key presses in fingered chord mode will not produce any sound.

Sound is distorted or interrupted and the keyboard is not working properly.	Use of incorrect power adapter. Use the power adapter supplied or the batteries may need replacing.
There is a slight difference in timbre of some notes.	This is normal and is caused by the many different voice sampling ranges of the keyboard.
When using the sustain function some tones have long sustain and some short sustain.	This is normal. The best length of sustain for different tones has been pre-set.
The main volume or accompaniment volume is not right.	Check that the main (master) volume and accompaniment volume are set correctly. Note that the main volume also affects the accompaniment volume.
In SYNC status the auto accompaniment does not work.	Check to make sure that Chord mode has been selected and then play a note from the first 19 keys on the left hand side of the keyboard.
The pitch of the note is not correct	Check that the transpose is set to 00.
The keyboard switches off unexpectedly	This is not a fault. The keyboard has a power save function that switches the keyboard off after a period of not being played. Press the power on / off button to switch back on.

Appendix VI. Chord Tables

Single Finger Chords

	M	m	7	m7
C				
D♭				
D				
E♭				
E				
F				
F♯				
G				
G♯				
A				
B♭				
B				

Fingered Chords

Chord Type Root	M	m	7	m7	dim7	M7	m7-5	dim
C								
C#/(Db)								
D								
(D#)/E								
E								
F								
F#/(Gb)								
G								
(G#)/A								
A								
(A#)/Bb								
B								

Appendix VII. Technical Specification

- **Display**
LED Display, 3-Digit
- **Tone**
200 tones
- **Rhythm**
200 rhythms
- **Demo**
40 different demo songs
- **Effect and Control**
Split keyboard, Sustain, Vibrato, Transpose
- **Recording and Programming**
46 Note record memory, Playback, 46 Beat rhythm programming
- **Percussion**
12 different instruments
- **Accompaniment Control**
Start / Stop, Sync, Fill in, Intro/Ending, Tempo
- **Intelligent Teaching**
Metronome, 2 Teaching modes
- **External Jacks**
Power input, Headphone output, Microphone Input (Electret), AUX Input, USB MP3 playback
- **Diapason (Range of Keyboard)**
C2- C7 (61 keys)
- **Intonation**
<3cent
- **Weight**
3.1 kg
- **Power Adapter**
DC9V, 500mA
- **Output Power**
2 W x 2
- **Accessories included**
Power adapter, Sheet music stand, User guide, Key stickers

FCC Compliance Statement

FCC Class B Part 15

This device complies with Part 15 of the Federal Communications Commission (FCC) Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference.

This device must accept any interference received, including interference that may cause undesired operation.

CAUTION:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instructions, may cause interference harmful to radio communications.

There is no guarantee, however, that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio or TV technician for help.

Product Disposal Instructions (European Union)

The symbol shown here and on the product, means that the product is classed as Electrical or Electronic Equipment and should not be disposed with other household or commercial waste at the end of its working life. The Waste Electrical and Electronic Equipment (WEEE) Directive (2012/19/EU) has been put in place to encourage the recycling of products using best available recovery and recycling techniques to minimise the impact on the environment, treat any hazardous substances and avoid the increase of landfill. When you have no further use for this product, please dispose of it using your local authority's recycling processes. For more information please contact your local authority or the retailer where the product was purchased.



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