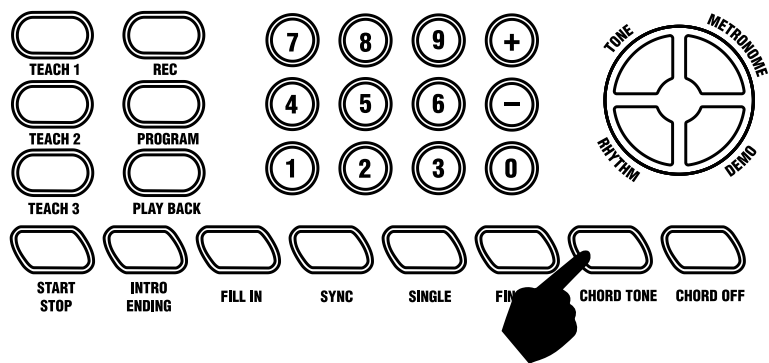


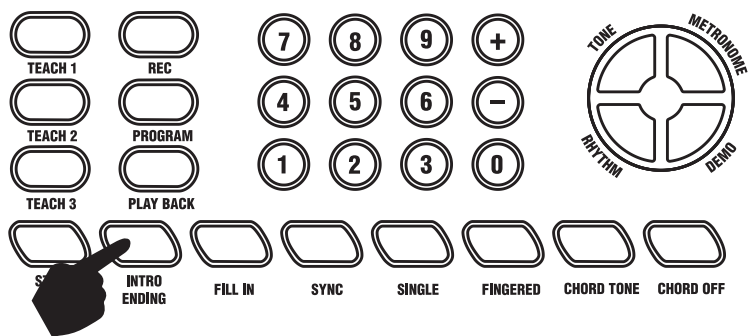
Chord Tones:

There are 5 chord accompaniment tones to choose from. To select a chord tone, press the [CHORD TONE] button repeatedly to cycle through the available chord tones. To stop the chord accompaniment touch the [CHORD OFF] button.



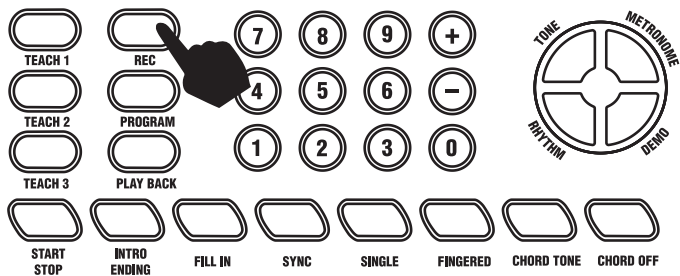
Intro / Ending:

With a rhythm selected, press the [Intro / Ending] button to initiate an intro section. When the intro finishes playing, accompaniment shifts to the main selection. Press [Intro / Ending] button again to initiate an ending section. When the ending is finished, the auto accompaniment stops automatically.

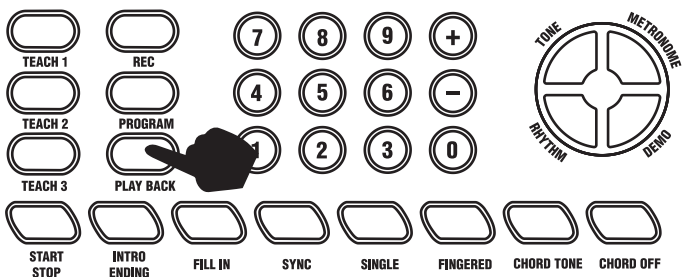


Recording Function

Press the [REC / PROGRAM] button to enter the recording mode. The LCD will indicate that the Touch the [REC] button to enter the recording mode. The LCD will flag that the recording function is on and initiate the metronome. Press any key to start recording. The maximum recording capacity is dependent on the amount of installed memory available. Press the [REC] button again and the recording will be stopped and saved.

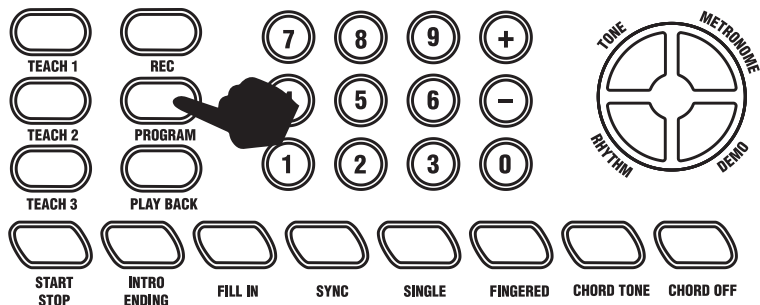


Touch the [PLAYBACK] button to play back the recorded notes.



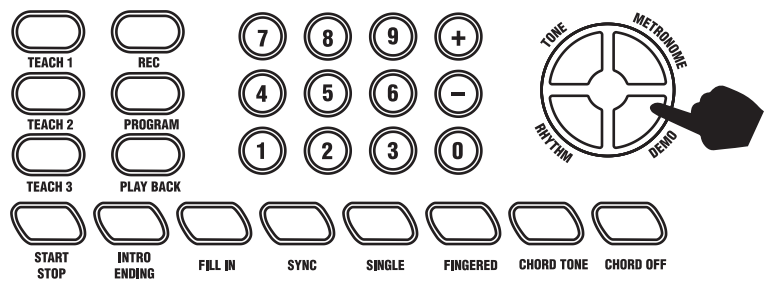
Rhythm Programming

Press the [PROGRAM] button to activate the Program mode. The LCD will flag that the rhythm program function is on and initiate the metronome. You can then play the keyboard and record a percussion track. To playback the track press the [PLAYBACK] button. Adjust the speed of the playback using the [TEMPO] buttons. To cancel the Programming mode, press the [PROGRAM] button.



Demo Songs:

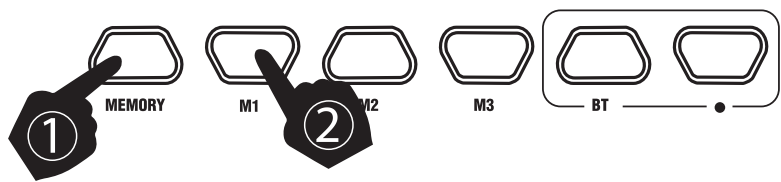
Press the [DEMO] button to play a demo song. The LCD display will show SONG followed by a number indicating the song being played. By pressing the digits or [+] and [-] buttons on the numerical keypad you can choose the demo song you require. There are 150 (0 – 149) demo songs to choose from in total. The keyboard will finish the chosen song and then repeat it in loop mode. Touch the [DEMO] button again to exit the demo mode. Refer to Appendix IV. for a full list of the available Demo songs.



Setting Memories M1, M2 and M3

The keyboard has three built-in memories for saving specific volume levels, rhythm, tones and tempos. Before performing, select the VOLUME, TONE, RHYTHM and TEMPO you wish to use. Then press the [MEMORY] button, and at the same time either the [M1], [M2] or [M3] buttons to save the keyboard settings to that memory. You can access the stored keyboard settings you have saved by pressing the [M1], [M2] or [M3] buttons before performing. All memories are saved, and are still available after the keyboard had been switched off and on again.

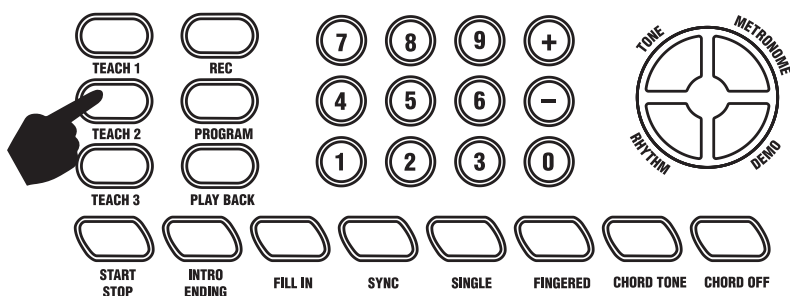
Note: Press [MEMORY] and [TONE] buttons at the same time to revert all three memories to their initial state.



Teaching Modes

Single Key Course:

Press the [TEACH 1] button to enter the Single Key teaching mode. The LCD screen will flag Teach on the right of the display area. This mode is suitable for beginners to familiarise themselves with the rhythm and tempo of a song. The LCD display will show SONG and the number of the song being played. Select a different song using the [+/-] buttons or number keys. The beat point will flash on the LCD display to indicate the tempo and the next note to be played will be indicated on the keyboard graphic. The keyboard will play the main melody in time with any key presses, even incorrect ones



Synchronised Course:

Press the [TEACH2] to enter the Synchronised teaching mode. The LCD screen will flag "Teach" on the right of the display area. This mode is suitable for more advanced users. The LCD display will show [XXX DEMO] where xxx is the number of the demo song selected. Select a different song using the +/- or number keys. The beat point will flash on the LCD display to indicate the tempo. The correct key to press next is displayed on the LCD display. Play along in time making sure to press and hold the correct keys in time as indicated.

Concert Course:

Touch the [TEACH3] to enter the Concert course teaching mode. The LCD screen will flag "Teach" on the right of the display area. This mode is suitable for more advanced users. The LCD display will show [XXX DEMO] where xxx is the number of the demo song selected. Select a different song using the +/- or number keys. The beat point will flash on the LCD display to indicate the tempo. The correct key to press is NOT displayed on the LCD display. Play along in time with correct 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 SINGLE KEY COURSE mode and duplicate the note timings using a single key. When mastered move onto the next stage.
- Access the same song in SYNC COURSE mode and play along by pressing the correct keys as indicated. When mastered move onto the next stage.
- Access the same song in CONCERT COURSE mode and play along by pressing the correct keys unaided. When mastered congratulate yourself and move onto a new song!

Appendix I. Percussion Instruments

61 Percussion Sounds									
									
C 2	C # 2	D2	D # 2	E2	F2	F# 2	G2	G # 2	A2
									
A# 2	B2	C 3	C # 3	D3	D# 3	E3	F3	F# 3	G3
									
G# 3	A3	A# 3	B3	C 4	C # 4	D4	D# 4	E4	F4
									
F# 4	G4	G # 4	A4	A# 4	B4	C 5	C # 5	D5	D# 5
									
E5	F5	F# 5	G5	G# 5	A5	A# 5	B5	C 6	C # 6
									
D6	D# 6	E6	F6	F# 6	G6	G # 6	A6	A# 6	B6
									
C 7									

Appendix II. Rhythm Table

No.	Rhythm Name	No.	Rhythm Name	No.	Rhythm Name	No.	Rhythm Name
000	Rap Pop	050	Reggae	100	CountryTwo Step1	150	Tango4
001	Pop Rock	051	Pop Mambo	101	Fast Band 1	151	German Waltz
002	60's Soul	052	Latin Party Pop	102	Cat Groove1	152	Carnival
003	70's Soul	053	Cumbia	103	Dixie Jazz1	153	Organ Samba1
004	Funk	054	Parranda	104	Medium Jazz1	154	Reel1
005	16 Beat Shuffle	055	Carnival	105	Jazz Big Band1	155	Gay Gordons1
006	Twist	056	Slow Rock	106	Jazz Club1	156	Scand Waltz
007	British Pop	057	Unplugged	107	Ragtime1	157	Pop Classics
008	Hard Rock	058	Pop Ballad	108	Swing Fox1	158	Live 8 Beat
009	Fusion	059	Pop NewAge	109	Slow Fox1	159	Power Rock
010	FunkShuffl	060	8 Beat Modern	110	Organ Cha Cha1	160	Acoustic Rock
011	FusionShuffl	061	Country Ballad	111	Organ Quick Step1	161	Cool 8 Beat
012	50's Pop	062	Love Song	112	Polka Pop1	162	Uptempo 8Beat
013	Cool Pop	063	Modern Country Pop	113	Blue Grass 1	163	90's Rock Ballad
014	Groovy Pop	064	Electro Pop	114	Blue Grass 2	164	Chart Rock Shfl
015	60's Vintage Pop	065	Acoustic Ballad	115	Blue Grass 3	165	Brit Pop
016	80's Pop	066	Piano Ballad	116	Pop Waltz1	166	Brazilian Samba
017	RockBilly	067	R&B Ballad	117	USAMarch1	167	Brit Pop Swing
018	RockBoogie	068	Rock Ballad	118	Hully Gully1	168	60's 8 Beat
019	RockChaCha1	069	Slow & Easy	119	Tarantella1	169	Fast Bossa
020	RockClassical	070	Analog Ballad	120	Limbo Rock1	170	60's Guitar Pop
021	RockShuffle	071	E_Ballad	121	Swing Waltz1	171	70's 8 Beat
022	RockPop	072	70's Chart Ballad	122	Pub Piano1	172	90's Guitar Pop
023	60's RockN	073	Romantic Ballad	123	Jazz Waltz 1	173	Soft Rock
024	Standard Rock	074	90's Cool Ballad	124	Jazz Waltz 2	174	Chart GuitarPop

025	Brit Rock Pop	075	Alp Ballad1	125	ShowTune1	175	Guijira
026	60's Vintage Rock	076	Alp Ballad2	126	Polka1	176	70's Disco Funk
027	Chart Rock Shfl	077	Funky Disco	127	Schlager Polka1	177	Disco Philly1
028	60's Pop Rock	078	Saturday Night	128	Big Band Shuffle 1	178	Disco House1
029	Waltz1	079	Club Latin	129	Big Band Shuffle 2	179	80's Disco
030	Cha Cha1	080	Disco Chocolate	130	Big Band Shuffle 3	180	Swing Fox2
031	Rumba1	081	Disco Fox	131	Fast Band 2	181	Slow Fox2
032	Jive1	082	Disco Funk	132	Fast Band 3	182	Organ Cha Cha2
033	Pasodoble1	083	Disco Hands	133	Frankly Soul	183	Organ Quick Step2
034	Samba 1	084	Disco Party	134	Jazz Funk	184	Cat Groove2
035	Samba 2	085	Disco Samba	135	Classic Big Band	185	Dixie Jazz2
036	Schlager Rock 1	086	UK Pop	136	French Jazz1	186	Medium Jazz2
037	Schlager Rock 2	087	Club Dance	137	Blue Grass 4	187	Jazz Big Band2
038	FoxTrot1	088	Modern R&B	138	Blue Grass 5	188	Jazz Club2
039	Viennese Waltz1	089	Hip Shuffle	139	Blue Grass 6	189	Ragtime2
040	Tango1	090	Charleston	140	Pop Waltz2	190	Jazz Gtr Club
041	Tango2	091	DiscoPop	141	USAMarch2	191	Modern Jazz
042	Bossanova	092	DiscoSoul	142	Hully Gully2	192	Acoustic Jazz
043	Mambo 1	093	DiscoTrot	143	Tarantella2	193	Cool Jazz Ballad
044	Mambo 2	094	EuroBeat	144	Limbo Rock2	194	Modern Jazz Bld
045	Bolero	095	Rap	145	Swing Waltz2	195	Easy Listening
046	Cumbia	096	Rave	146	Pub Piano2	196	Bebop
047	Latin Rock	097	70's Disco1	147	Jazz Waltz 1	197	Jump Jive
048	Disco Latin	098	70's Disco2	148	Jazz Waltz 2	198	Country Ballad2
049	Tijuana	099	Country Ballad1	149	Tango3	199	CountryTwo Step2

Appendix III. Tone Table

No.	Tone Name	No.	Tone Name	No.	Tone Name	No.	Tone Name
000	Acoustic Grand Piano	050	Synth Strings 1	100	FX 5 (Brightness)	150	Kalimba 2
001	BrightAcoustic Piano	051	Synth Strings 2	101	FX 6 (goblins)	151	Steel Bell 1
002	Electric Grand Piano	052	ChoirAahs	102	FX 7 (echoes)	152	Tenor Sax 2
003	Honky-Tonk Piano	053	Voice Oohs	103	FX 8 (sci-fi)	153	Woodblock 2
004	Rhodes Piano	054	Synth Voice	104	Sitar	154	Electric Guitar (Clean) 2
005	Chorused Piano	055	Orchestra Hit	105	Banjo	155	Shanai 2
006	Harpsichord	056	Trumpet	106	Shamisen	156	Marimba 3
007	Clavichord	057	Trombone	107	Koto	157	Dulcimer 2
008	Celesta	058	Tuba	108	Kalimba	158	Reed Organ 3
009	Glockenspiel	059	MutedTrumpet	109	Bagpipe	159	Koto 2
010	Music box	060	French Horn	110	Fiddle	160	Crystal
011	Vibraphone	061	Brass Section	111	Shanai	161	Bag Pipe 2
012	Marimba	062	Synth Brass 1	112	Tinkle Bell	162	Barafon
013	Xylophone	063	Synth Brass 2	113	Agogo	163	Organ Flute
014	Tubular Bells	064	Soprano Sax	114	Steel Drums	164	Kalimba 3
015	Dulcimer	065	Alto Sax	115	Woodblock	165	Reed Horn
016	Drawbar Organ	066	Tenor Sax	116	Taiko Drum	166	English Horn 2
017	Percussive Organ	067	Baritone Sax	117	MelodicTom	167	Electric Guitar (Clean) 3
018	Rock Organ	068	Oboe	118	Synth Drum	168	Shamisen 2
019	Church Organ	069	English Horn	119	Reverse Cymbal	169	Koto 3
020	Reed Organ	070	Bassoon	120	Guitar Fret Noise	170	Hard Vibe 2
021	Accordian	071	Clarinet	121	Breath Noise	171	Twin Bones
022	Harmonica	072	Piccolo	122	Seashore	172	Synth Harpsi. 2

023	TangoAccordian	073	Flute	123	BirdTweet	173	Attack Clav. 2
024	Acoustic Guitar (Nylon)	074	Recorder	124	Telephone Ring	174	Chorus Guitar.
025	Acoustic Guitar (Steel)	075	Pan Flute	125	Helicopter	175	Steel Bell 2
026	Electric Guitar (Jazz)	076	Bottle Blow	126	Applause	176	Tsugaru
027	Electric Guitar (Clean)	077	Shakuhachi	127	Gunshot	177	Oct Harp
028	Electric Guitar (Muted)	078	Whistle	128	Yong Gin	178	Synth Harpsi. 1
029	Overdriven Guitar	079	Ocarina	129	Zheng	179	Attack Clav. 1
030	Distortion Guitar	080	Lead 1 (Square)	130	Zhong Ruan	180	Soft Santur
031	Guitar Harmonics	081	Lead 2 (Sawtooth)	131	Pi Pa	181	Dual Horns 1
032	Acoustic Bass	082	Lead 3 (Caliope Lead)	132	Big Souna	182	Bodhran
033	Electric Bass (Finger)	083	Lead 4 (Chiff Lead)	133	Souna	183	Tubular Bells 2
034	Electric Bass (Pick)	084	Lead 5 (Charang)	134	Er Hu	184	Suona
035	Fretless Bass	085	Lead 6 (Voice)	135	Yue Hu	185	Castanets
036	Slap Bass 1	086	Lead 7 (Fifths)	136	Di Zi	186	Attack Harp 1
037	Slap Bass 2	087	Lead 8 (Bass+Lead)	137	Bong Di	187	Electric Vraphone
038	Synth Bass 1	088	Pad 1 (New Age)	138	Koto	188	Soft Sax 1
039	Synth Bass 2	089	Pad 2 (Warm)	139	Qu Di	189	Soft Clav.
040	Violin	090	Pad 3 (Polysynth)	140	Xylophone 2	190	SoftAccord
041	Viola	091	Pad 4 (Choir)	141	Dulcimer 3	191	Wind Organ
042	Cello	092	Pad 5 (Bowed)	142	Guitar Pinch 2	192	ViolaAttack
043	Contrabass	093	Pad 6 (Metallic)	143	Slow Violin	193	Bari &Tenor
044	Tremolo Strings	094	Pad 7 (Halo)	144	Bright String	194	Soft Guitar 1
045	Pizzicato Strings	095	Pad 8 (Sweep)	145	Jungle Bass 2	195	Grow Guitar

046	Orchestral Harp	096	FX 1 (Rain)	146	Indian Flute	196	Didgeridoo 1
047	Timpani	097	FX 2 (Soundtrack)	147	Clavi 2	197	Attack Barafon
048	String Ensemble 1	098	FX 3 (Crystal)	148	Celesta 2	198	Mute Barafon 1
049	String Ensemble 2	099	FX 4 (Atmosphere)	149	Church Bells	199- 749	Misc. tones

Appendix IV. Demo Song Table

No.	Name of Song	No.	Name of Song
00	Mozart K448 (Il Andante)	20	Burgmüller Pastorate
01	Mozart Serenade No.13 in G major KV525	21	Schubert Lullaby
02	Jesus Joy of Man's Desire	22	Voice Of Spring
03	The Stars & Stripes Forever	23	Brahms Lullaby
04	Minuet from the "L'Arlesienne Suite"	24	Turkish March
05	Arabesque No.1	25	The Maiden's Prayer
06	Water Music	26	Ave Mari
07	Nocturne op.9 no.2	27	Alamhan
08	Dance De Mirlitons	28	Spring Song
09	Sippin'Cider Through A Straw	29	Schubert Serenade
10	Sonate Fur Klavier Nr.14 Mondschein	30	Spring From Four Seasons
11	Grand Valse Brillante,op.18	31	"William Tell"Overture
12	Sweet Bye And Bye	32	Carmen
13	Overture Solennelle "1812"	33	Waltz Of The Flowers
14	Barcarole	34	Solfeggietto
15	Military Marches	35	Fantasy Impromptu
16	The Ode To Joy	36	ChopinTristeza
17	The Magic Flute-overture	37	Minuet In G Major
18	Mozart Symphonies	38	Dream Of Love
19	Clarinet Polka	39-149	World music

Appendix V. Troubleshooting

Problem	Possible Reason / Solution
Afaint 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.
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.

Appendix VI. Chord Tables

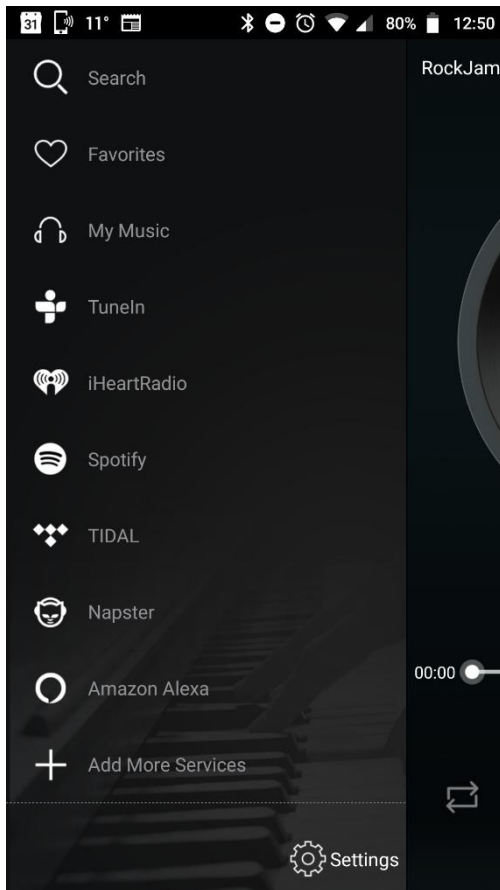
Single Finger Chords

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

Fingering Chords

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

Appendix VII. RockJam Keyboard APP



Search – Search for songs to play through your keyboard.

Favorites – A list of favorite songs. Follow the on screen instructions to add songs to the list.

My Music – Play music stored on your phone.

Tuneln – Access a range of radio stations via Tuneln.

iHeartRadio – Play content from iHeartRadio, sign up required.

Spotify – Play content from Spotify, Sign up, APP install and Premium subscription required.

TIDAL – Play content from TIDAL, sign up required.

Napster – Play content from Napster, sign up required.

Amazon Alexa – Press to select the language used by Alexa.

Add More Services – Select which services show on the main screen.

Settings – Shows software version and feedback button.

Bluetooth - (Scroll down to see this option) – Switch the keyboard into Bluetooth mode and play music through the keyboard from your paired phone or tablet via Bluetooth.

Appendix VIII. Technical Specification

- **Amazon Alexa built-in**
- **Bluetooth Audio Playback**
- **LCD Display with staff and key Indication**
- **MIDI Input/Output**
- **750 Tones + 200 Rhythms**
- **150 Demo Songs**
- **Effect and Control**
Dual keyboard, Split keyboard, Sustain, Sustain pedal, Vibrato, Transpose
- **Recording and Programming**
700 Note record memory, Playback, 128 Beat rhythm programming
- **Memories**
3 x Non-volatile memories for keyboard settings
- **Percussion**
61 different instruments
- **Accompaniment Control**
Start / Stop, Sync, Fill in, Tempo
- **Intelligent Teaching**
Metronome, 3 teaching modes
- **External Jacks**
Power input, USB and TF card, Headphone output, Microphone input, MIDI input/output, AUX Input, Sustain Pedal input
- **Diapason (Range of Keyboard)**
C2- C7 (61 keys)
- **Intonation**
<3cent
- **Weight**
4.4kg
- **Power Adapter**
DC12V, 1,000mA
- **Output Power**
5W x 2
- **Accessories included**
Power adapter, Sheet music stand, User guide

FCC & IC Statement

FCC Statement

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 instructions, may cause harmful interference to radio communications. However, there is no guarantee 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 into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

IC Statement

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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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