

FR-1 V-ACCORDION SPECIFICATIONS

KEYBOARDS	Right hand: FR-1 pianotype: 26 keys, velocity sensitive (starting at B key). FR-1 buttontype: 62 buttons, velocity sensitive. Left hand: FR-1 pianotype / buttontype: 72 velocity-sensitive buttons.
BELLOWS	Real pneumatic detection of bellows pressure (high-resolution pressure sensor), Bellows Resistance regulator.
SOUND SOURCE	Max polyphony: 128 voices. Tones: 7 accordion sets, each including: 8 Treble registers, 3 Bass registers, 3 Orchestra Bass registers, 3 Orchestra Chord registers, 3 Free Bass registers, 3 Orchestra Free Bass registers, 4 Orchestra sounds, 4 Organ sounds. Treble reed footages: 4. Bass reed footages: 5. Chord reed footages: 3
PBM (Physical Behavior Modeling)	Noises: stopping-reed growl, closing valve noise, left button noise. Individual reed simulation: hysteresis threshold, expression curve, pressure-variant filter, pressure variant pitch deviation. Reed sound wave switching: by bellows acceleration, by note repetition speed.
MUSETTE TUNING	Micro tuning presets: 15 (Dry, Classic, F-Folk, American L/H, North Europe, German L/H, D-Folk L/H, Alpine, Italian L/H, French, Scottish).
EFFECTS	Reverb: 8 types. Chorus: 8 types, Rotary Slow/Fast (for organ sounds).
PANEL CONTROLS	Knob controls: Volume/Power, Registers: 4 x Treble, Orchestra, Organ, Set; 3x Bass, Free Bass, Orchestra Bass, Orchestra Chord, Orchestra Free Bass. Buttons: Orchestra/Organ, Orch Bass, Orch Chord, Left Register, Drums/Default, Song/Demo, User Prog/Dec, Metronome/Inc.
OPERATION MODE	Bass & Chord modes: 2Bs Rows, 3Bs Rows A-7th, 3Bs rows A-5dim, 3Bs Rows B-7th, 3Bs Rows B-5dim, 3Bs Rows Bx. Treble modes (buttontype): C-Griff Europe, C-Griff2, B-Griff Bajan, B-Griff Fin, D-Griff 1, D-Griff 2. Octave: Down (-), 0, Up (+) (for Treble, Orchestra and Organ). Drums: 4 drum/percussion sets. SONG function: 4 preset songs with selectable mute function for left- or right- hand part. Free Bass Mode: Minor 3rd (37 notes Eb - Eb) Bajan (37 notes D - D) Fifth (36 notes C - C) N. Europe (37 notes D - C#) Finnish (37 notes D - D).
POWER SUPPLY	Supplied external adaptor or optional batteries.
POWER CONSUMPTION	375 mA (using external adaptor).
EXPECTED BATTERY LIFE UNDER CONTINUOUS USE	(optional) 8 x AA type Ni-MH 2000 mAh – batteries ±5.5 hours. This varies depending on the actual conditions of use. Note: Carbon and alkaline batteries should not be used. Be sure to only use rechargeable Ni-MH AA-type batteries.
OTHERS	Connectors: Headphones jack (Stereo). Output Jack: L/Mono (Treble), R/Mono (Bass), MIDI connector OUT/IN (adjustable via Function parameter), DC IN socket. Power Supply: External AC adaptor (100 ~ 240V, universal). Metronome: Time Signature: 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8, 9/8; Tempo: 20-250; Level: Off, Low, Medium, High.
DIMENSIONS AND WEIGHT	Dimensions (mm) FR-1 (piano-type): 395 (H) x 365 (W) x 195 (D) mm 15-9/16 (H) x 14-3/8 (W) x 7-11/16 (D) inches. FR-1 (button-type): 375 (H) x 365 (W) x 195 (D) mm; 14-13/16 (H) x 14-3/8 (W) x 7-11/16 (D) inches.
WEIGHT	FR-1 (piano-type) without straps and optional batteries: 5.5 kg; 12 lbs. 3 oz. FR-1 (button-type) without straps and optional batteries: 5.5 kg; 12 lbs. 3 oz.
SUPPLIED ACCESSORIES	1/4" → 1/4" phone (guitar) cable, Earphones (with 1/8" → 1/4" adaptor plug), External AC adaptor, Quick Start manual, CD-ROM with Owner's Manual, Reference caps for the treble buttons (button-type), Strip for securing the adaptor, MIDI and/or audio cables, Hexagonal wrench, Straps, Replaceable "traforo" inlay sheets: 5.
OPTIONS	BAG-FR-1: Accordion soft bag; CM-30: Cube Monitor; CUBE street: Stereo Amplifier; SA-300: Stage Amplifier; Mobile Cube: Stereo Amplifier.



THE V-ACCORDION LINE-UP



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Note: in the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

RAM 4531 RAMRES 764-09 605.00.0214

 Roland®

V-Accordion

FR-1

BEGIN
TO PLAY
IN A BIG
WAY!



2.0
Software
Upgrade

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 Roland®



- Extremely lightweight and portable.
- Free Bass mode to play melodies and form your own chords with your left-hand (Bass & Chord section).
- Great portability makes it suitable for young students and stage performance.
- Excellent design.

Begin to play in a big way!



FR-1 Version 2: A new software update for even more flexibility.

With the new software update, the FR-1 Piano type / Button type now gives you much more freedom in your performance, thanks to the Free Bass mode, which is chiefly used by musicians who want to play melodies and form their own chords with their left-hand (Bass & Chord section).

A free bass system (3 free bass registers and 3 orchestral free bass registers) uses a button board of single-note buttons with a range of three octaves or more.

The FR-1 can be used like a "Bassoon accordion". In this mode the bass part is played with the right hand (the bass and chord buttons are inactive). If you have already a FR-1, ask your nearest Roland Service Centre how to upgrade your V-Accordion to Version 2.

Digital advantages.

The V-Accordion is the first instrument of its kind to provide powerful digital modelling technology in a traditional, immediately familiar accordion design, and with performance functions and authentic sounds that will appeal to a wide range of players. It combines the familiar sounds and nuances of a traditional accordion with the versatility of a modern digital musical instrument. With a V-Accordion you can instantly select and switch between a wide range of sounds and/or types of accordions, or create your own unique tuning systems. You can plug directly into an external sound system or recording device, while the headphone socket is ideal for silent practice.

These digital advantages are featured across the entire V-Accordion range, including on this, the latest addition: the FR-1.

FREE BASS REGISTERS			
Accordion		Orchestra	
1	⊕	Low	1 Strings
2	⊕⊖	Low+High	2 Clarinet
3	⊖	High	3 Choir

BASS TO TREBLE REGISTERS			
Accordion		Orchestra	
1	Classic	1	Acoustic
2	Jazz	2	Bowed
3	Bandoneon	3	Picked
4	Alpine	4	Tuba Mix

Free Bass Modes/Range:
 Minor 3rd (37 notes Eb - Eb) Bajan (37 notes D - D) Fifth (36 notes C - C) N. Europe (37 notes D - C#) Finnish (37 notes D - D)



Small size, big performance.

Sound quality, small size, attractive price. The FR-1 sets a new standard in learning and live performance, weighing only 5.5 kg.

Ideal for students...

Thanks to the new Software Version 2 and to its small dimensions, the FR-1 is perfect for young beginners and music schools...



...and for performers

Compact, but with no compromise on sound quality, the FR-1 is ideal for stage performers and keyboardists. Thanks to its long battery life, the player can walk easily around the stage without worrying about time. 8 x AA type 2000mAh Ni-MH batteries will give you more than 5 hours of playing time, so time is certainly not a problem when you are playing the FR-1!

Advanced musical expression.

The FR-1 can simulate up to 7 different Accordions. Also, with the innovative presence of 4 Organ presets (Harmonic Bar) with rotary effect, you can produce amazing organ sounds as well! You can now even play to your own beat, adding percussion sounds with the bass & chord buttons!

A speakerless lightweight model.

Connect your FR-1 to a Roland amplifier (Mobile cube, CM-30, CUBE street, SA-300) and be impressed by the power of your sound!

Make your FR-1 unique!

The FR-1 comes with 6 variations of inlay sheet which enable owners to change the appearance of their FR-1 from time to time by changing these sheets. The player can also create his/her own custom designed inlay sheets using their PC and printer, or by using any kind of commercially designed paper.

Play anytime and anywhere!

With high-quality inner earphones included in the FR-1 package. This silent accordion is extremely convenient for practising at night and without disturbing your family or neighbours.