

FR-7b FR-5b

V-Accordion

Roland's button type
V-Accordion



Roland[®]

Roland's button type V-Accordion

Equipped with a 92-button right-hand keyboard, it offers all of the original V-Accordion's benefits with several important additions. The Roland FR-7b/5b are the first instruments of their kind to integrate powerful digital technology into a traditional chromatic accordion design, offering performance features and sounds that appeal to a wide range of musical styles.



Covered by U.S. Patent No. 6,946,594

FR-7b
FR-5b

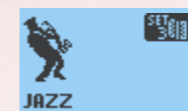
- The perfect combination of the familiar sounds and nuances of a traditional accordion, coupled with the advantages of a digital instrument that grants versatility and flexibility
- Super-realistic accordion simulations with 40 programmable Set memories. The factory settings already cater to several popular accordion traditions
- PBM ("Physical Behaviour Modeling") sound generation technology
- Orchestral sounds
- Expanded MIDI functionality for truly flexible performance options
- Portable instrument with on-board digital amplification (only for the FR-7b)

Sound

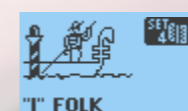
The FR-7b/5b comes with a 128-voice polyphonic sound engine, 428 tones in 40 Accordion Sets (each including 14 Treble registers, 7 Bass registers, 7 Free Bass registers, 7 Orchestral Bass registers, 7 Orchestral Chord registers, 7 Orchestral Free Bass registers and 22 Orchestral sounds).

PBM ("Physical Behaviour Modeling")

At the heart of the FR-7b/5b is Roland's proprietary PBM technology for breathtaking sounds and amazing modeling possibilities. Physical Behaviour Modelling uses complex algorithms for accurate recreations of every detail of a wide variety of acoustic accordions. All physical behaviour aspects and expressive nuances of an acoustic instrument are faithfully reproduced.



JAZZ



"F" FOLK



BANDNEON



"F" FOLK

Simulations

The FR-7b/5b is capable of simulating up to 40 different accordions (or to create as many virtual instruments) based on samples of popular traditional acoustic accordions, each with its own "idiosyncratic" tuning. It's possible to switch from an Italian jazz accordion to German folk, French Musette, or a historic Bandoneon sound—without physical modifications to the instrument itself. On top of that, each sound can be played using the same familiar accordion techniques.

Orchestral sounds

The FR-7b/5b incorporates Roland's acclaimed orchestral sounds. 22 Orchestral sounds are provided for the Treble keyboard, while each Bass section (Bass, Chord, Free Bass) can trigger its own Orchestral sounds.

Flexibility

The V-Accordion faithfully reproduces the familiar sounds and nuances of a traditional accordion, while granting the versatility, flexibility and advantages of a digital musical instrument. You can select and switch between a wide range of sounds and/or accordion types, or create your own unique timbres. Furthermore, both keyboards can be transposed to play within a wide range of keys and octaves.

Unique all-in-one

The FR-7b contains a digital amplification system powered by a rechargeable Ni-MH battery pack, and is thus a self-contained instrument. The battery pack powers a pair of neodymium woofers and tweeters for a consistent, full range low-end to high-end output. The high-resolution bellows pressure sensor provides amazing expressive power not available on conventional digital keyboard instruments.



FR-7b Red

FR-7b Dark Gray

The FR-5b contains the same features and sounds of the flagship model of the V-Accordion line but is without the speakers and the amplification system and the rechargeable Ni-MH battery pack is optional providing a lightweight model for amazing stage performance. Also the FR-5b is available in red or dark grey.

Performance

The V-Accordion introduces revolutionary expressiveness for a digital musical instrument.

The right- and left-hand keyboards are both velocity-sensitive, while a Master Bar adds even more creative options (including aftertouch control). The high-resolution bellows pressure sensor provides amazing expressive power not available on conventional digital keyboard instruments. Utilizing the High/Low modes (notes above/below the first key you press play a different sound), you can control up to 4 parts simultaneously in real-time.

Also the FR-7b/5b's bass section has been expanded to include control of additional orchestral sounds via the Orchestra Chord and Orchestra Free Bass sections. Moreover, the FR-7b/5b is MIDI-compatible and can be used to control external arranger/sound modules.

FR-5b Red

FR-5b Dark Gray



FBC-7

Roland®

FR-7b FR-5b SPECIFICATIONS

Keyboard & Bellows

Right hand 92 velocity-sensitive buttons
Master Bar with aftertouch control

Left hand 120 bass buttons with velocity-sensitive

Keyboard modes Right hand: Solo, Dual, High, Low (for Orchestral Sounds). Left hand: Standard, Free Bass, Orchestral Bass, Orchestral Chord, Orchestral Free Bass

Bellows Real pneumatic detection by a high resolution pressure sensor

Sounds

Tones: (Accordion Sets) 40 User Programmable Accordion sets

* Each Set includes:
7 Orchestral Free Bass registers
7 Orchestral Bass registers
7 Orchestral Chord registers
14 Treble registers
7 Bass registers
7 Free Bass registers
22 Orchestral sounds

Treble reed footages 7

Bass reed footages 5

Chord reed footages 3

Free Bass footages 2

Orchestral sounds 22 sounds: Trumpet, Trombone, Alto Sax, Tenor Sax, Clarinet, Oboe, Harmonica, Muted Harmonica, Violin, Pizzicato, Flute, Pan Flute, Highland, Zampogna, Jazz Organ, Perc. Organ, Rotary Organ, Trem. Organ, Voice, Mandolin, Acoustic Guitar, Acoustic Piano

Orchestra Bass sounds 7: Acoustic Bass, Bowed Bass, Fingered Bass, Picked Bass, Fretless Bass, Bariton Tuba, Bariton + Bass

Orchestra Free Bass sounds Trombone, Clarinet, Oboe, Flute, Perc Organ, Ac Guitar, Ac Piano

Orchestral Chord Trombone, Tenor Sax, Clarinet, Trem Organ, Voice, Ac Guitar, Ac Piano

PBM (Physical Behaviour 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

Switching Reed Sound Wave By bellows acceleration
By note repetition speed

Musette tuning

Musette microtuning presets 16: Off (Standard), Dry, Classic, Mauge, American L/H, North Europe, German L/H, Morn L/H, Alpine, Italian L/H, French, Scottish

Effects

Reverb 8 types

Chorus 8 types

Delay 8 types

Rotary for Orchestral Organ Sound Slow/Fast

"Cassotto" and "Sordina" simulations Yes

Panel controls

Knobs Controls Volume, Treble/Bass Balance, Reverb, Chorus, Delay

Encoder Data entry with selection/confirmation switch

Panel switches

Treble registers 14 + Master + Orchestra

Bass registers 7

Navigation switches Up, Down, Menu/Write, Exit/Jump

Other switches Set Up/Down, Sordina on/off, Power

Others

Display 48 x 84 dots graphic backlit LCD

Rated Power Output 2x25 W RMS (only FR-7b)

Speakers 10 cm x 2 speakers (using Neodymium transducer Magnets), Tweeters x 2 (only FR-7b)

Onboard sockets Headphone jack (stereo),
Output jacks (stereo),
Multi connector (to FBC-7)

Options Rechargeable Ni-Mh battery pack 24V-4500mAh (only FR-5b), V-Accordion Gigbag, FBC-7 Gigbag

Colors Dark Grey
Red

Supplied accessories FBC-7 (power supply/battery charger):
5 programmable foot switches:
-Set Up/Down
-Register Up/Down
-Sustain
Multi connector (towards accordion)
Expression pedal jack
MIDI IN/OUT/THRU sockets
Output jacks (L/Mono, R)
AC Inlet

Owner's Manual, straps, accordion cloth, treble reference caps, bass reference caps, power cable, 19-pin multicore cable

Dimensions and weight

Width 506 mm

Depth 270 mm

Height 405 mm

Weight FR- 5b 9,5 kg (without the optional battery, without straps)
FR-7b 11,7 kg (with the battery, without the straps)

* The specifications are subject to change without prior notice.

Visit us online at www.roland.com
RAM 3953 RAMRES 584-05 605.00.0119

 Roland®