

**V-Accordion**

**FR-3X**



**music in expansion in compact dimension**



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**Roland**





## music in expansion in compact dimension

### FR-3x piano-type / button-type

The FR-3x is the perfect fusion of traditional accordion performance and modern digital functionality. Imagine a world-class lineup of accordions and orchestral instruments in one convenient instrument, all instantly selectable and controllable.

With new bellows pressure-sensing circuitry, the FR-3x provides faster response and higher sensitivity and precision, plus detection of the bellows opening and closing. In addition, the new bellows resistance regulator lets you adjust the bellows' inertia for the ultimate in comfort and playing feel.

The USB host capability allows you to customize the onboard orchestra and accordion sounds, to save/load user program data, and to manage MP3s and wave-file playback.

Lightweight and portable the FR-3x is perfect for students, accordion hobbyists, as well as stage performers.

- **Faster response and higher sensitivity of the bellows with new bellows sensor**
- **Bellow Resistance Regulator adjusts the bellows' inertia**
- **USB Flash Memory connector for external storage**
- **Powerful onboard amplification system**
- **Super realistic accordion simulations**
- **Drum parts can be played with your left hand**
- **MP3/Wave playback**
- **Can be powered using 10 commercially available rechargeable Ni-MH batteries**
- **Also available in a gorgeous white version**

#### **Sophisticated bellows response**

The FR-3x boasts faster response and higher sensitivity and precision, plus detection of the bellows opening and closing. In addition, the new bellows-resistance regulator lets you adjust the bellows' inertia for the ultimate in comfort and playing feel.

#### **Super realistic accordion simulations**

The FR-3x is loaded with great accordion sounds. You can switch instantly from an Italian jazz accordion, for example, to German folk, French musette, or Russian bayan without changing your technique. In addition, orchestral sounds are onboard the FR-3x as well as a Virtual Tone Wheel generator, which lets you enjoy authentic organ sounds with bellows pressure control. You can even play percussion sounds with your left hand using the bass and chord sections.

#### **Stand-alone electronic instrument**

Though the FR-3x is a fully electronic instrument, you don't need to connect it to an amplifier in order to produce sounds. Its internal amplification is ideal for small venues, restaurants, and so on. To enhance the cable-free convenience even more, you can power the

FR-3x from ten commercially available rechargeable Ni-MH batteries (5 hours batteries life) so you don't need to connect it to a wall outlet.

#### **Save your settings to a USB storage device**

You can save your settings by connecting an optional USB memory to the FR-3x's USB port. Also, the USB host allows you to customize orchestra and accordion sounds and to save the user program data and MP3/Wave playback tracks.

#### **Superb performance flexibility**

If you venture beyond the internal sounds, the FR-3x lets you control external MIDI-compatible instruments. The Treble keyboard and chord/bass buttons are velocity-sensitive, while the bellows controller provides more articulation possibilities than any other MIDI keyboard, MIDI wind instrument, etc.

#### **Also available in an exclusive, special edition**

Lightweight, compact, and equipped with the same features as the standard FR-3x, the white version looks gorgeous, with a beautifully decorated bellows and genuine leather/Alcantara® straps.



## FR-3x series SPECIFICATIONS

### KEYBOARD, BASS & BELLOWS

Right hand	FR-3x Piano-type: 37 keys, velocity sensitive. FR-3x Button-type: 92 buttons, velocity sensitive.
Left hand	FR-3x Piano-type: 120 velocity-sensitive bass buttons. FR-3x Button-type: 120 velocity-sensitive bass buttons.
Modes	Right Hand: Standard, Free Bass, Orch.Bass, Orch.Chord, Orch. Free Bass.
Treble Modes (only FR-3x button-type)	C Griff Europe, C Griff 2, B Griff Bajan, B Griff Fin, D Griff 1, D Griff 2.
Free Bass Mode	Minor 3rd, Bajan, Fifth, N. Europe, Finnish.
Bellows	New sensor for the detection of bellows pressure (high-resolution pressure sensor). Bellows resistance regulator: wheel with fine adjustment.

### SOUND SOURCE

Tones	21 accordion Set + 4 User Set, each including: 14 Treble registers, 7 Bass registers, 7 Free Bass registers, 7 Orchestra Bass registers, 7 Orchestra Chord registers, 7 Orchestra Free Bass registers, 10 orchestral sounds, 10 organ sounds.
Footages	Treble Reed: 4, Bass Reed: 5, Chord Reed: 3, Free Bass: 2.
Wave ROM	64MB of waveforms.
Max Polyphony	128 voices.

### SOUNDS

	Orchestral Sounds: 10 (Trombone, Trumpet, T Sax, A Sax, Clarinet, Harmonica, Violin, Flute, El. Piano, Strings). Orchestral Bass Sounds: 7 (Acoustic, Bowed, Fingered, Fretless, Picked, Tuba, Tuba Mix). Orchestral Free Bass Sounds: 7 (Trombone, Clarinet, Oboe, Flute, Perc. Organ, Ac. Guitar, Ac. Piano). Orchestral Chord Sounds: 7 (Trombone, Alto Sax, Clarinet, Jazz Organ, Jazz Doos, Ac. Guitar, Ac. Piano). Organ Sounds: 10 (Perc Jazz, Jazz Ballad, Distort Organ, Full Organ, Overdr Organ, Popular Organ, Ligh Jazz, Bossa, Latin, Light Latin).
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### PBM (PHYSICAL BEHAVIOUR MODELLING)

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	16 (Off, Dry, Classic, F-Folk, American L/H, North Europe, German L/H, D-Folk L/H, Alpine, Italian L/ H, French, Scottish).
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### EFFECTS

Effects	Reverb: 8 types, Chorus: 8 types, Rotary (Slow/Fast) for organ sounds, "Cassotto" and "Sordina" simulation.
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### PANEL CONTROLS

Knobs	VOL, Treble/Bass BAL, Reverb, Chorus Panel Switches: 10 Treble registers + Set, 7 Bass registers, USER PROGRAM button, ORGAN/ORCHESTRA, SORDINA switch, POWER switch.
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### OPERATION MODES

Orchestra/Organ modes	Solo, Dual, High, Low.
Wave/MP3 player	Play/Pause, Stop/Reset.
Bass to Treble	On/Off.
Bass&Chord Drum Link	On/Off.
Octave	Down, 0, Up (for Treble and Orchestra), 10 User Program memories.

### OTHERS

Display	LED, 3 x 7 segments.
Rated Power Output	2 x 11W RMS.
Speakers	2 x 10cm speakers (neodymium transducer magnets).
Onboard connectors	OUTPUT sockets (L/Mono, R/Mono), PHONES socket USB memory port, MIDI OUT/IN socket (function adjustable via MIDI parameter), DC IN socket: for supplied Roland PSB-7U adaptor.
Power Supply	Batteries: (AA-type rechargeable Ni-MH x 10 (Battery operation: - 8-hour operation in speaker OFF mode / - 5-hour operation in speaker ON mode ), Supplied PSB-7U adaptor: AC117V, 220V, 230V, 240V.
Supplied accessories	External AC adapter, Owner's Manual, Reference caps for the bass buttons, Reference caps for the treble buttons (only for FR-3x button type), Accordion cloth, Straps, Battery holder (pre-installed in compartment).
Options	Accordion soft bag.

### SIZE AND WEIGHT

Size	FR-3x piano type: 430 (H) x 481 (W) x 270 (D) mm; 16-15/16 (H) x 18-15/16 (W) x 10-11/16 (D) inches. FR-3x button type: 390 (H) x 470 (W) x 240 (D) mm; 15-3/8 (H) x 18-9/16 (W) x 9-1/2 (D) inches.
Weight	FR-3x piano type: 8.3kg; 18 lbs 5 oz. FR-3x button type: 8.0kg; 17 lbs 11 oz.



V-Accordion Gigbag.



Headphones RH-200, RH-300.



Audio-Midi cable AMC-3.



Music Rest and Throne AAP-1.



Stage amplifier SA-300.



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

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RAMRES 776-10 605.00.0216

