

FR-3s FR-3

V-Accordion

The 37-key
piano-type
V-Accordion



Compact is beautiful!



Roland®

FR-3s · FR-3

LIGHTWEIGHT DESIGN

Even the first 37-key, piano-type V-Accordion provides a Free Bass section!

portability

flexibility

lightweight

The brand new junior members of the V-Accordion family, the FR-3s and FR-3, provide all the features of a traditional accordion and a lot more! Lightweight and portable, the FR-3s and FR-3 will be appreciated by budding accordion players and experienced entertainers alike for their portability and flexibility!

- 37-key piano-type treble keyboard/120 bass buttons
- 7 new Orchestral Chord/Orchestral Free Bass registers with completely new sounds
- Onboard MIDI socket
- Supplied with an adapter and a battery compartment (for optional AA-type batteries)
- Bellows resistance regulator



Realistic accordion simulation

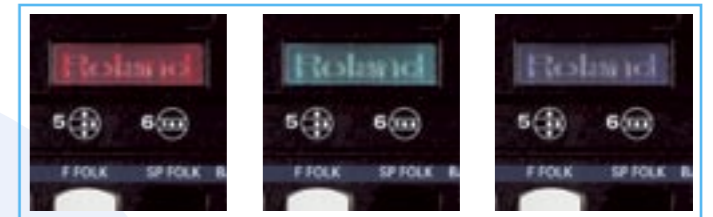
The FR-3s/3 can simulate up to 10 different accordions, each including 12 Treble registers, 7 Bass/Chord registers, and 7 Free Bass registers (Free Bass and Bass/Chord are mutually exclusive). For these high-quality sounds, Roland sampled traditional acoustic accordions to provide an instrument that can emulate various accordion types, complete with their specific tuning characteristics. And although it is an electronic instrument, the FR-3s/3 faithfully responds to bellows movement and pressure for authentic expression. Stronger inward and outward movements create a richer, fuller sound, while lighter movements make the sound softer and quieter. There's even a unique bellows resistance regulator that can be set to match the player's strength or preference. Increasing or decreasing the bellows resistance is simply a matter of selecting one of four positions using a conveniently located wheel.

Educational functions

The FR-3s/3 is ideal for students. And not just because it is the smallest accordion in the world to provide a Free Bass mode, but also because it boasts an adjustable metronome. Thanks to the instrument's MIDI functionality, students can even record their performance on their computer. Practising has never been easier or more efficient!

Orchestral sounds

The V-Accordion includes 10 orchestral sounds (including Trombone, Trumpet, Sax, Clarinet, Flute, Violin, etc.) that can be used together with the traditional accordion sounds in one of four selectable modes.



LED display and multicolor Roland logo

The FR-3s/3 comes with a 3x7-segment LED for monitoring the current sound selections and setting a host of parameters. The illuminated Roland logo is interactive in that it changes color depending on the accordion set and section (accordion or orchestra) you select. You can even choose your favourite color (from among 26 options), which may prove invaluable when you play in an accordion ensemble with several FR-3s/3 users.

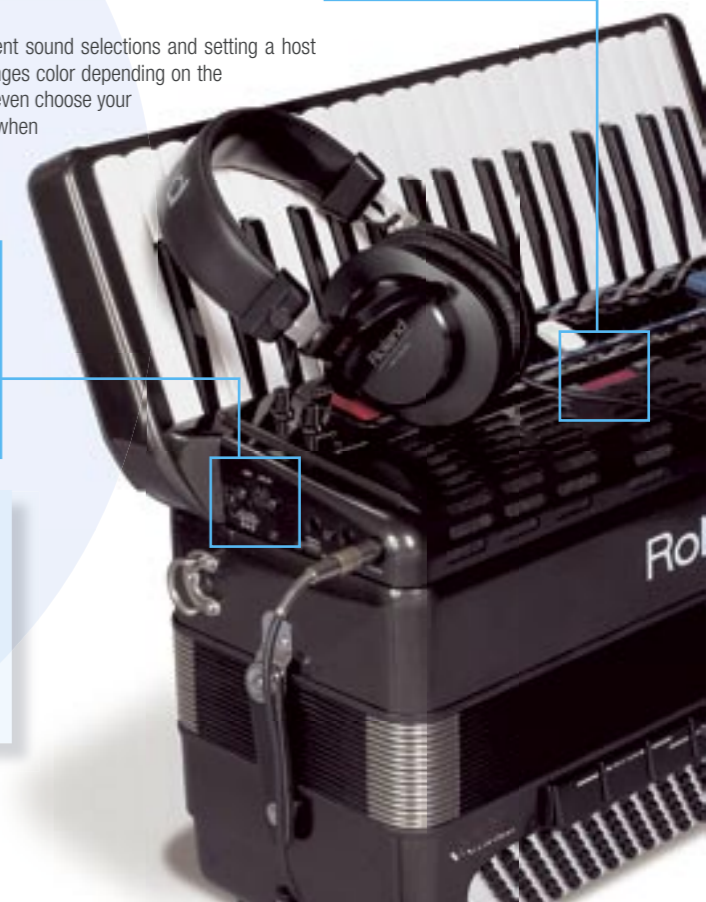
Ins and Outs

The FR-3s/3 can be connected to various external devices (sequencer, arranger keyboards, etc.) using the onboard MIDI socket. Combined with a wireless system you can connect to the external outputs, the FR-3s/3 can be used on the biggest stages while granting its player absolute freedom of movement. Both the FR-3s and the FR-3 also provide a headphone socket, while the FR-3s comes with a set of professional-quality neodymium speakers.

- The FR-3s/3 has a compartment for optional AA-type batteries (either one-way or rechargeable).
- The FR-3s is provided with an onboard digital amplifier and two speakers. The FR-3 doesn't have speakers and is therefore the lightest member of the V-Accordion family but just as flexible as the FR-3.



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



FR-3S FR-3 SPECIFICATIONS

Keyboard & Bellows

Right hand	Piano-type, 37 keys, velocity sensitive
Left hand	120 bass buttons with velocity Standard, Free Bass, Orchestral Bass, Orchestral Chord, Orchestral Free Bass
Bellows	Real pneumatic detection of bellows pressure, high-resolution pressure sensor, bellows resistance regulator

Sound source

Max polyphony	64 voices
Wave ROM	32 Mbytes Wave ROM

Tones

Tones	10 Accordion Sets, each one including: 12 Treble registers 7 Bass registers 7 Free Bass registers 7 Orchestral Free Bass registers 7 Orchestral Bass registers 7 Orchestral Chord registers 10 Orchestral sounds
Treble reed footages	4
Bass reed footages	5
Chord reed footages	3
Free Bass footages	2

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

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

Reverb	8 types
Chorus	8 types
“Cassotto” and “Sordina” simulation	Yes

Panel controls

Knob controls	Volume, Treble/Bass balance, Reverb, Chorus
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Panel switches

Treble Registers	10 + Orchestra + Set
Bass Registers	7
Metronome	On, Off
Other switches	Sordina Mellow/Bright, Power

Operations mode

Orchestra Mode	Solo, Dual, High, Low
Octave	Down, 0, Up for Treble and Orchestra

Speakers (only FR-3s)

Speakers	2 x 10cm speakers
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Other

Onboard connectors	Headphones Jack (Stereo) Output Jack: L/Mono (Treble), R/Mono (Bass) MIDI connector OUT/IN (adjustable via MIDI parameter)
Power supply	External AC adapter (100V~240V universal)

Battery (optional)	AA type battery
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Dimensions, weight and accessories

Dimensions (mm)	425 (H) x 481 (W) x 270 (D)
Weight	FR-3: 7.5 kg (without straps and without optional battery) FR-3s: 8.3 kg (without straps and without optional battery)

Supplied accessories	External AC adapter Owner's manual Accordion cloth Straps Bass reference caps Battery holder (pre-installed in compartment)
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Optional accessories	Gigbag (BAG-FR-3)
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* The specifications are subject to change without prior notice.

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