

V-Accordion

FR-1X



UPGRADE YOUR MUSICAL EXPERIENCE



Gorgeous design
Speakers onboard
Amazing new sounds
Free bass mode
Ultra light body

Roland

FR-1x

Upgrade Your Musical Experience

The FR-1x is the smallest model in the V-Accordion series. Thanks to its on board speakers, 3 characters display (LED), Standard and Free Bass modes, the FR-1x sets a new powerful standard in educational activities at a friendly price; it is extraordinarily light and has a long battery life. Compared with small sized acoustic accordions, the FR-1x has no sound limit and is fully compatible with the whole V-Accordion range. Thanks to its headphone socket, users can practice at night, whenever and wherever they like. The Bass to Treble function allows users to integrate the FR-1x in ensemble accordion orchestras while its Percussion sounds allow you to easily play basic percussion accompaniments by Bass & Chord button.

- New pressure sensor, for higher sensitivity and Advanced Physical Behaviour Modelling such as detection of bellows opening/closing with new bellows pressure sensor circuitry.
- Full range high quality speakers on board in bass reflex box: 2x 7W RMS.
- 7 segments, 3 characters display (LED).
- New professional look with new easier U/I.
- Bass & Chord mode: Standard and Free Bass.
- USB memory port on board for new sound upload possibility, Wave/mp3 playback, Software version updating.
- USB computer port for MIDI computer application.
- Bellows resistance regulator knob to specify the bellows inertia (the force needed to push and pull it).
- Advanced musical expressions: Bass to Treble function, Percussion sounds playable by Bass & Chord button.
- Set Editor software (free download from Roland web site).

Virtual Tone Wheel



mp3

USB

USB MEMORY



New professional look and full compatibility with all "X" V-Accordion series.

Built-in speakers and battery-powered instrument

The FR-1x is an all-in-one instrument. Its onboard amplification system is powerful enough for classrooms, small venues and street performances. With 8 AA-type rechargeable Ni-MH optional batteries, the FR-1x does not need to be connected to a wall outlet, while granting:

- 8-hour operation in speaker OFF mode;
- 5-hour operation in speaker ON mode.



USB memory port and USB Computer port on board

The USB memory port allows you to easily store data such as User Program, and to upload new sounds, thanks to the USB Flash Memory. Moreover you can manage MP3 and Wave files using the optional USB Flash Memory. Their playback is a good educational application and can enhance live performances too. The USB computer port is dedicated to MIDI computer applications, such as sequencer software programs.



Faster response and higher sensitivity

Thanks to Roland's sound generator that is optimized for Accordion performance, the FR-1x will satisfy even the most demanding accordion player. Thanks to this new technology accordionists can feel perfectly at ease when playing their music especially once they have experienced the enhanced response of this instrument.



Set Editor software

A dedicated software program allows you to create a dedicated User Set for the FR-1x with access to all Orchestra, Orchestra Bass and Orchestra Chord sounds. It will be available on the Roland Web site as a free download. Thanks to the USB port, it will be easy to load user sets into the FR-1x.

Keyboard, Bass & Bellows	
Right hand	Piano type 26 Keys velocity sensitive (starting at B key), button type 62 buttons velocity sensitive.
Left hand	Piano type/button type 72 bass buttons velocity sensitive.
Treble Modes (only FR-1x button)	C Griff Europe, C Griff 2, B Griff Bajan, B Griff Fin, D Griff 1, D Griff 2.
Bass&Chord Modes	2 Bs Rows, 3 Bs Rows A-7th, 3 Bs Rows A-5dim, 3 Bs Rows B-7th, 3 Bs Rows B-5dim, 3 Bs Rows Bx-7th, 3 Bs Rows Belgium.
Free Bass Modes	Minor 3rd (37 notes Eb-Eb), Bajan (37 notes D-D), Fifth (36 notes C-C), North Europe (37 notes D-C#), Finnish (37 notes D-D).
Bellows	New pressure sensor for better sensitivity and Advanced Physical Behaviour Modelling such as detection of bellows opening/closing, Bellows Resistant Regulator wheel with fine adjustment.
Bellows curve	Fixed Low, Fixed Med, Fixed High, X-Light, Light, Standard, Heavy, X-Heavy.
Sound source	
Max polyphony	128 voices.
Tones (Accordion Set)	16 Accordion Sets (including 4 User Sets), each one including: 14 Treble Registers, 7 Bass/Chord registers, 7 Free Bass registers, 7 Orchestra Free Bass registers, 7 Orchestra Bass registers, 7 Orchestra Chord registers.
Reed Footages	7 Treble, 5 Bass, 3 Chord, 2 Free Bass.
Additional sounds	Uploadable from USB memory and saved on 4 User sets.
Orchestral sounds	
Strings, JazzScat1, JazzDoos, Str&Choir, Twin Trump, Trombone, FrenchHorn, Brass, Flute1, Tenor Sax2, Clarinet, Oboe, Ac Piano, Ac Guitar, Mandolin, HarpsStr.	
Organ sounds	
Jazz Slow/Fast, Latin Slow/Fast, HousPerc Slow/Fast, Theatre Slow/Fast.	
Orchestral Bass sounds	
Acoustic, Fingered, Bowed, Jazz Pedal VTW, Tuba Mix, Tuba, Fretless.	
Orchestral Chord sounds	
Strings, JazzDoos, Jazz VTW, R&B VTW, Steel Gtr, Ac Guitar, Ac Piano.	
Orchestral Free Bass sounds	
Strings, JazzDoos, Jazz VTW, Clarinet, Ac Guitar, Ac Piano, Oboe.	
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.
Switching Reed Sound Wave	By bellows acceleration, by note repetition speed.
Bellows opening/closing sound change	By bellows opening/closing detection.
Musette Tuning	
Micro-Tuning Presets	16 Types: Off, Dry, Classic, F-Folk, American L/H, North Europe, German L/H, D-Folk L/H, Alpine, Italian L/H, French, Scottish.
Effects	
Reverb/Chorus	8 types, 8 types.
Rotary for Organ sound	Slow/Fast.
Panel Controls	
Knob controls & Registers	Volume, 4x Treble/Orchestra/Organ + Set.
Other switches	Drum On/Off, Orchestra On/Off, Organ On/Off, Free Bass On/Off, Orchestra Bass On/Off, Orchestra Chord/Free Bass On/Off, User Programs On/Off, Wave/MP3 player: Reset/Stop, Play/Pause, Power.
Operation mode	
User Programs	8 memories.
Orchestra/Organ Mode	Solo, Dual .
Octave	Down, 0, Up for Treble, Orchestra/Organ.
Metronome	On/Off.
Bass&Chord with drum/percussion sounds	On/Off for Bass/Orch Bass 2 rows, Chord/Orchestra Chord 4 rows.
Audio Player	mp3/Wave player from USB memory.
Bass to Treble mode	On/Off.
Other	
Display	7 segments, 3 characters (LED).
Rated Power Output	2x 7W RMS.
Speakers	2x 9 cm.
Wave Expansion	2 internal areas (8Mb each) to load new sounds.
Power supply	Supplied AC adaptor PSB-1U, Batteries (not included) AA-type rechargeable. Ni-MH x 8 Expected battery life under continuous use (using Ni-MH 2000mAh batteries 5-hours speaker ON mode, 8-hours speaker OFF mode.
Onboard Connectors	OUTPUT jacks L/Mono (Treble), R/Mono (Bass): ¼" phone type, PHONES jack: ¼" phone type, MIDI OUT connector, USB MEMORY connector type A, USB COMPUTER connector type B, DC IN connector (use Roland PSB-1U AC adaptor only).
Supplied Accessories	PSB-1U Ac Adaptor, Power cord (for connecting the AC adaptor) Owner's Manual, Reference caps for the bass buttons, Reference caps for the treble buttons (only for FR-1xb button type), Straps, Strip for securing the adapter, MIDI and/or audio cables.
Optional Accessories	Accordion soft bag, USB flash memory (M-UF-series), AMC-3 Audio-Midi cable, AAP-1 Music Rest and Throne, Headphones RH-200, RH-300, AA-type rechargeable Ni-MH from third-party suppliers.
Colour variation	Black, Red.
Size and Weight	
Size	Piano type: 405 (H) x 365 (W) x 195 (D) mm; 16 (H) x 14-3/8 (W) x 7-11/16 (D) inches. Button type: 380 (H) x 365 (W) x 195 (D) mm; 15 (H) x 14-3/8 (W) x 7-11/16 (D) inches.
Weight	Piano type: 6,5 Kg, 14 lbs 6 oz without straps and without optional battery. Button type: 6,4 Kg, 14 lbs 2 oz without straps and without optional battery.



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and promotes development of environment-conscious electronic musical instruments that incorporate such technologies in any of the product categories.

Roland regards technologies that make effective use of limited energy resources as "Energy Saving Technology"

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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.