

V-Accordion

FR-7X



MUSIC IN EXPANSION

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Roland®

FR-7X



FR-7X - Music in expansion

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. It combines the familiar sounds and nuances of a traditional accordion with the versatility of a modern digital musical instrument. These advantages are featured across the entire V-Accordion range, including on this, the flagship: the FR-7x!

Fast response and high sensitivity

Thanks to Roland's newly-developed sound generator, which is optimized for Accordion performance, the FR-7x will satisfy the most demanding accordion players. You will be impressed by the fast response of the keys/buttons, the higher sensitivity and precision, and the detection of bellows opening/closing with new bellows pressure-sensor circuitry. 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.

USB host port onboard

Easy data storage, handy customization of V-Accordion sound-sets to satisfy special accordion/orchestra demands from different countries, and easy to upload software versions, thanks to the USB Flash Memory. What's more, you can manage MP3 and Wav files and even record your performances in Wav format on the optional USB Flash Memory. Playback and record functions are perfect for educational use, and enhance live performance too.

Battery-powered instrument with built-in speakers

Though the FR-7x is a fully digital instrument, it's also an all-in-one instrument, i.e. you do not need to connect it to any amplifier to produce sounds. Its onboard amplification system is powerful enough for small venues, restaurants, pubs... Furthermore, the FR-7x comes with a rechargeable battery, so that you do not need to connect it to a power outlet. It goes far beyond the control possibilities of a MIDI keyboard with optional performance functions.

Super realistic accordion simulations...

The FR-7x has 41 keys (with velocity and aftertouch), 120 velocity-sensitive bass buttons (6 bass & chord modes and 5 free bass modes to suit your playing style) and can simulate up to 80 different accordion instruments each including 14 treble registers, 26 orchestral sounds, 7 bass & chord registers, 7 free bass registers, 7 orchestral free bass, 7 orchestral bass registers, and 7 orchestral chord registers.

Thanks to the Bass to Treble mode the FR-7x 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).

Moreover the programmable Drum function allows you to play percussion sounds with the Bass & Chord buttons.

...and organ simulations

Thanks to the Virtual ToneWheel sound engine, the FR-7x allows you to play amazing organ sounds, by using Treble (upper), Chord/Free Bass (lower) and Bass (pedal) sections.

Virtual ToneWheel controls will allow you to personalize your organ sounds to satisfy every musical genre.

Easy combination of orchestral and traditional accordion sounds

Traditional accordion and orchestral sounds can be easily combined and played with full bellows articulation.

Several unique orchestra modes (Solo, Dual, High/Low, and more) provide amazing flexibility and instant sound switching.

The 26 onboard orchestral treble, 7 orchestral bass sounds, 7 orchestral chord sounds and 7 orchestral free bass sounds can be easily mixed with traditional sounds.

Other features

LCD Display: FR-7x is provided with a easy to read LCD display (OLED type, 128x64) for setting easily your V-Accordion

USER assignable switches: you can now assign different functions to the 6 switches located in the first row of bass buttons.

KEYBOARD, BASS & BELLWS

Right hand	FR-7x: 41 piano-type keys, velocity-sensitive, with aftertouch FR-7xb: 92 buttons, velocity-sensitive, Master Bar with aftertouch
Left hand	120 bass buttons, velocity-sensitive
Keyboard modes	Right Hand: Solo, Dual, High, Low, Solo M, Dual M, High M, Low M, High M, Low M Trb, High M Trb, Low Trb, High Trb Left Hand: Standard, Free Bass, Orchestral Bass, Orchestral Chord, Orchestral Free Bass
Treble Mode (only FR-7xb)	C Griff Europe, C Griff 2, B Griff Bajan, B Griff Fin, D Griff 1, D Griff 2
Bass & Chord Mode	2Bs Rows, 3 Bs Rows A-7th, 3 Bs Rows A-5dim, 3Bs Rows B-7th, 3Bs Rows B-5dim, 3Bs Rows Bx
Free Bass Mode	Minor 3rd, Bajan, Fifth, North Europe, and Finnish
Bellows	Real pneumatic detection by a high-resolution pressure sensor, Bellow curve (Fixed low, Fixed Med, Fixed High, X-light, Standard, Heavy, X-Heavy, Bellows Resistance Regulator)

SOUND SOURCE

Tones (Accordion Set)	80 user-programmable accordion sets. Each accordion set includes: 14 Treble registers, 7 Bass/Chord registers, 7 Free Bass registers, 7 Orchestral Free Bass registers, 7 Orchestral Bass registers, 7 Orchestral Chord registers, 49 Orchestral sounds (26 Realtime)
Footages	Treble Reed: 7, Bass Reed: 5, Chord Reed: 3, Free Bass: 2
Max Polyphony	128 voices

SOUNDS

	Organ Sounds: 32 presets x Treble, Chord and FreeBass sections, 16 presets x Bass section (up to 26 Virtual Tone Wheel combinations customizable, can be controlled and shaped by bellows). Orchestral sounds: 26. Orchestral Bass sounds: 7. Orchestral Free Bass sounds: 7. Orchestral Chord sounds: 7.
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PBM (PHYSICAL BEHAVIOUR MODELLING)

Noises	Stopping-reed growl, closing valve noise, left button voice
Individual Reed Simulation	Hysteresis threshold, expression curve, pressure variant filter, pressure variant pitch deviation
Reed waveform switching	By bellows acceleration, by note repetition speed
Bellow opening/closing sound change	By bellows opening/closing detection

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); Delay (10 types); Rotary for orchestral organ sound (Slow/Fast with Vibrato, Chorus, Overdrive and VK-Rotary), "Cassotto" and "Sordina" Simulation
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USER ASSIGNABLE FUNCTION SWITCHES

User Assignable Function Switches	6 on the first row of bass buttons
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OPERATION MODE

Octave	1/0/+1 Treble; -3/0/+3 Orchestra, Orchestra Bass, Orchestra Chord, Orchestra Free Bass
Orchestra Link	Orchestra, Bass/Free Bass, Orchestra Bass, Orchestra Chord, Orchestra Free Bass
Percussion Sounds	For Bass/Orch Bass (2 rows), Chord/Orchestra Chord (4 rows)

MIDI FUNCTIONS

Ext. Seq. Playback (MIDI In)	Treble, Bass & Chord, Orchestra, ALL (local Off function)
Send PC (MIDI OUT)	1-512 Program Change to control Patch, Sound of MIDI devices
Start/Stop MIDI TX	Send Start/Stop by pushing Alpha dial

OTHERS

Display	128 x 64 OLED type
Mp3 player	MP3/WAVE player from USB memory
Wave Recorder	On USB memory
Rated Power Output	2 x 25W RMS
Speakers	10cm x 2 speakers (using Neodymium Transducer Magnets), Tweeters x 2
Onboard connectors	Headphone jack (stereo), Output jack: L/Mono (Treble), R/ Mono (Bass), Multi connector (to FBC-7), USB host
Power Supply	Rechargeable Ni-MH battery pack, 24V-4500mAh, External FBC-7 power supply/battery charger: AC117V, AC 230V, AC 240V (50/60hz), AC 220 V (60Hz)
Supplied accessories	FBC-7 (Power supply/Battery Charger), Owner's Manual, Straps, Accordion Cloth, Bass Reference caps, Treble Reference caps (only FR-7xb), Power Cable, 19-pin Multicore cable, Rechargeable Ni-MH battery pack 24V-4500mAh
External FBC-7 Specifications	5 Programmable Foot switches (set Up /Down, Register Up/Down, Sustain), Multi connector (towards Accordion), Expression Pedal jack, MIDI connectors (In, Out, Thru), Output jacks (L/Mono, R), AC Inlet
Optional Accessories	V-Accordion Gigbag, FBC-7 Gigbag, Headphones RH-300, RH-200, AMC-4 (Audio/midi cable), AAP-1 (Music Rest and Throne)

SIZE AND WEIGHT

Size	FR-7x: 528 (W) x 275(D) x 423 (H) mm; 20-13/16 (W) x 10-7/8 (D) x 16-11/16 (H) inches. FR-7xb: 506 (W) x 270 (D) x 405 (H) mm; 19-15/16 (W) x 10-11/16 (D) x 16 (H) inches
Weight	FR-7x/FR-7xb: 11.7kg; 25 lbs. 6oz without straps, with battery



V-Accordion Gigbag + FBC-7 Gigbag.



Headphones RH-200, RH-300.



Audio-Midi cable AMC-4.



Music Rest and Throne AAP-1.



Stage amplifier SA-300.