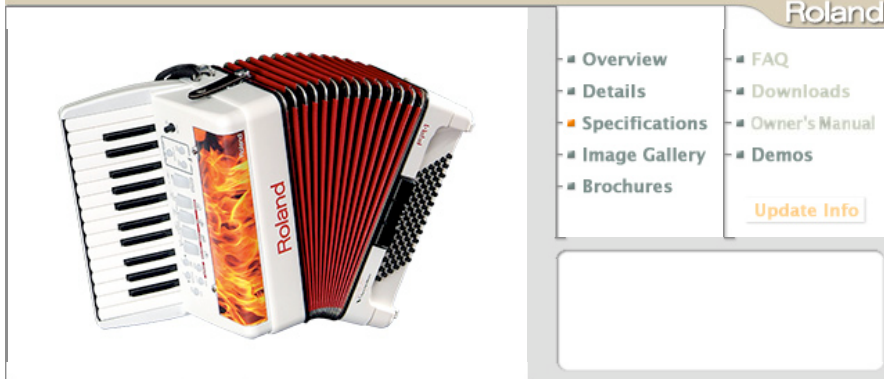


Specifications

FR-1 V-Accordion®



Roland

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Keyboard & Bellows	
Right hand	FR-1 Piano-type: 26 keys, velocity sensitive (starting at B key) FR-1 Button-type: 62 buttons, velocity sensitive
Left hand	72 velocity-sensitive buttons
Bellows	Real pneumatic detection of bellows pressure (high-resolution pressure sensor), Bellows Resistance regulator
Sound Source	
Maximum Polyphony	128 voices
Tones	7 accordion sets (each including: 8 Treble registers, 3 Bass registers, 3 Orchestra Bass registers, 3 Orchestra Chord registers, 4 Orchestra sounds, 4 Organ sounds)
Treble reed footages	4
Bass reed footages	5
Chord reed footages	3
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	15 (Dry, Classic, F-Folk, American L/H, North Europe, German L/H, D-Folk L/H, Alpine, Italian L/H, French, Scottish)
Effects	
Reverb	8 types
Chorus	8 types
Rotary	Slow/Fast (for organ sounds)
Panel Controls	
Knob controls	Volume/power
Registers	4 x Treble, Orchestra, Organ, Set, 3x Bass, Orchestra Bass, Orchestra Chord
Buttons	Orchestra/Organ, Orch Bass, Orch Chord, Left Register, Drums/Default, Song/Demo, User Prog/Dec, Metronome/Inc.
Operation Mode	
Bass & Chord modes	2Bs Rows, 3Bs Rows A-7th, 3Bs rows A-5dim, 3Bs Rows B-7th, 3Bs Rows B-5dim, 3Bs Rows Bx
Treble modes (Button-type)	C-Griff Europe, C-Griff2, B-Griff Baján, B-Griff Fin, D-Griff 1, D-Griff 2 -Octave: Down (-), 0, Up (+) (for Treble, Orchestra and Organ)
Drums	4 drum/percussion sets
Song	4 preset songs with selectable mute function for left-or right-hand part
Others	
Power Supply	Supplied external adaptor or optional batteries
Power Consumption	375 mA (using external adaptor)
Expected battery life under continuous use	Approx. 5.5 hours (Optional 8 x AA type Ni-MH 2000 mAh batteries) This varies depending on the actual conditions of use [Note] Be sure to only use rechargeable Ni-MH AA-type batteries. Carbon and alkaline batteries should not be used.
Connectors	Headphones jack(Stereo) Output Jack: L/Mono (Treble), R/Mono (Bass) MIDI connector: OUT, IN (adjustable via Function parameter) DC IN Jack
Power Supply	External AC adaptor (100 to 240 V, universal)
Metronome	Time Signature: 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8, 9/8

	Tempo: 20-250 Level: Off, Low, Medium, High
Accessories	
	1/4" to 1/4" phone (guitar) cable Earphones (with 1/8" to 1/4" plug adaptor) AC adaptor Quick Start manual CD-ROM with Owner's Manual Reference caps for the treble buttons (Button-type) Strip for securing the adapter, MIDI and/or audio cables Hexagonal wrench Straps Replaceable "traforo" inlay sheets: 5
Options	
Soft Bag	Bag-FR-1
Amplifier	CM-30: CUBE Monitor CUBE Street: Battery Powered Stereo Amplifier SA-300: Stage Amplifier; MOBILE CUBE: Battery Powered Stereo Amplifier
Size and Weight (FR-1 Piano-type)	
Width	365 mm 14-3/8 inches
Depth	195 mm 7-11/16 inches
Height	395 mm 15-9/16 inches
Weight	5.5 kg 12 lbs. 3 oz.
Size and Weight (FR-1 Button-type)	
Width	365 mm 14-3/8 inches
Depth	195 mm 7-11/16 inches
Height	375 mm 14-13/16 inches
Weight	5.5 kg 12 lbs. 3 oz.

*The specifications are subject to change without notice.