

FR-18 diatonic: V-Accordion

A World of Musical Genres in One Amazing Instrument

Keyboards

Right hand

37 buttons, velocity sensitive, selectable tablature and key

Left hand

18 bass buttons, velocity sensitive, selectable tablature and key (same as for right hand), selectable button chord behavior (full chord or omitted third)

Bellows

Real pneumatic detection of bellows pressure (high resolution pressure sensor), high-resolution bellows resistance regulator

Sound generator

Max polyphony

128 voices

Wave ROM

64 MB of waveforms (8+8 MB expansion sounds)

Tones

12 accordion Sets, each including: 8 treble registers, 8 orchestral sounds, 4 organ sounds (slow/fast Rotary settings for each), 3 bass & chord registers, 3 Orchestra Bass registers, 3 Orchestra Chord registers

Treble reed footages

5

Bass reed footages

3

Chord reed footages

2

PBM (Physical Behavior 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

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

Knobs

VOLUME

Panel switches

4 treble registers + ORCHESTRA/ORGAN button, SET/FUNCTION register, 3 bass registers, ORCH. BASS button, ORCH. CHORD button, LEFT REGISTER button, KEY/DEMO button, USER PROGRAM button, DRUMS button, TABLATURE button, POWER button

Operation modes

ORCHESTRA/ORGAN modes

Solo, Dual

Key

12 possible keys (C, C#, D, Eb, E, F, F#, G, Ab, A, Bb, B)

Tablatures

12 types,

Bass & Chord with drum/percussion sounds

On/Off

Octave

Down, 0, Up (for Treble and Orchestra/Organ), 4 User Program memories

Other

Power supply

AC adaptor, Batteries (AA, HR6 Rechargeable Ni-MH x 8)

Current draw

500 mA

Expected battery life under continuous use (using Ni-MH 2000 mAh batteries)

±5.5 hours *Actual battery life varies according to usage conditions, the quality of the batteries and the number of charging cycles. Be sure to use only rechargeable Ni-MH batteries.

Connectors

OUTPUT jacks (L/Mono, R/Mono): 1/4" phone type PHONES jack: stereo 1/4" phone type
USB MIDI connector (computer connection) USB MEMORY connector (storage devices) MIDI
OUT/IN connector (function adjustable via parameter) DC IN jack

Accessories

AC adaptor, Owner's Manual, Straps, 1/4"—1/4" phone (guitar) cable, Earphones (with
1/8"—1/4" adaptor plug), Strip for securing the adaptor, MIDI and/or audio cables,
Hexagonal wrench, Replaceable "traforo" inlay sheets

Options (sold separately)

Accordion soft bag

Size and Weight (without straps or optional batteries)

Width

365 mm
14-6/16 inches

Depth

195 mm
7-11/16 inches

Height

375 mm
14-13/16 inches

Weight

5.3 kg
11 lbs. 11 oz.