

FUTURERETRO



REVOLUTION R2

Introducing the new Revolution R2 synthesizer from Future Retro. A true analog monophonic hardware synthesizer with an easy to use step-based digital sequencer, analog and DSP effects processing, and various interfacing for controlling MIDI, CV/Gate, and Din Sync devices. The Revolution is our new concept synthesizer which we feel best illustrates music in time. With it's warm analog sound, bold new layout, aluminum side panels, bright blue LEDs and quality construction, it's sure to please even the most critical musicians.

We've gone to great lengths to ensure that the Revolution is capable of the most accurate reproduction of the original TB303* sound, and in many ways surpasses its signature liquid tones and capabilities.

The analog section includes dedicated controls for each parameter, making sound editing quick and easy.

The step-based sequencer provides 256 storable patterns which users can create and edit in real-time while the unit plays.

Editing features include the ability to transpose patterns, shift steps in time, adjustable loop point, shuffle the timing of notes, copy/paste patterns, multiple pattern looping, forward or reverse playback of patterns, and our new Remix feature which provides 256 variations of each pattern you program (that's more than 65,000 patterns right out of the box!). The Revolution also sends and responds to program change messages for remotely selecting patterns or patches in external devices. In addition, all patterns and songs created can be backed up with a MIDI sysex transfer.

The Revolution can be used to play other MIDI sound modules and CV/Gate type synthesizers, sync the playback with other MIDI sequencers, or be played live with a MIDI keyboard. This unit can also act as a MIDI to CV/Gate converter, and a MIDI to Din Sync converter, as well as process external audio.

For more information please visit us online at: www.future-retro.com / Email: info@future-retro.com / Phone: 785.827.9278

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*TB303 is a trademark of Roland Corp

ANALOG CONTROLS

- OSCILLATOR WAVEFORM SELECT: sawtooth, square
- TUNE CONTROL: +/- 1 semitone
- FILTER: 3 pole, 18db lowpass resonant filter
- CUTOFF: filter frequency
- RESONANCE: amount control
- CV MOD: amount of filter modulation
- ENVELOPE: amount control for sweeping filter
- ENV DECAY: envelope decay time for filter
- ACCENT: amount of signal to modulate the filter and amplifier
- ACC DECAY: accent decay time
- VOLUME: master/headphone output level control
- OVERDRIVE SWITCH: Off/on

DSP EFFECTS

- 16 preset 24 bit stereo effects including: chorus/room 1, chorus/room 2, delay 1, delay 2, chorus, flange, plate 1, plate 2, plate 3, room 1, room 2, room 3, hall 1, hall 2, rotary speaker, low pass muffler

SEQUENCER

- NUMBER OF PATTERNS: 256 patterns (16 banks x 16 patterns)
- RECORDED PATTERN CONTENT: note duration, pitch, accent, glide, loop point, time signature, swing amount
- NUMBER OF STEPS PER PATTERN: 3/4 time=12 steps max, 4/4 time=16 steps max
- NOTE PITCH RANGE: C2 to D#7
- LOOP POINT: 1 to 16 notes per pattern to loop
- PATTERN TRANSPOSE: from -36 to +36 notes
- OTHER PATTERN FEATURES: pattern remixing, play patterns forwards or backwards, copy and paste patterns, pattern shifting, permanent pattern transposing, multiple pattern cueing, LED chase, real-time editing of pattern information while the sequencer is running or stopped, sequencer automatically saves all editing
- REMIX: 256 variations for each pattern and song
- NUMBER OF SONGS: 16
- NUMBER OF STEPS PER SONG: up to 3580 measures
- RECORDED SONG CONTENT: tempo, bank/pattern for each step, pattern transpose for each step, song loop point
- SONG PATTERN TRANSPOSE: from -36 to +36 notes steps for each song step
- TEMPO RANGE: from 20 to 250 beats per minute
- MIDI FUNCTIONS: on/off, channel selectable from 1 to 16, program change messages for selecting patterns remotely
- MIDI SYNC: internal or external
- MIDI SYSEX: for dumping patterns and songs
- NOTE DATA: transmitted and received
- MIDI TO CV/GATE OUT: conversion
- MIDI TO DIN SYNC OUT: conversion

INTERFACING

- MIDI: in, thru, out
- DIN SYNC: out
- 1/4" JACKS: 1v/oct CV out, +12v gate out, CV in, (for modulating the filter cutoff frequency), audio input, stereo headphone output, stereo master output

POWER

- 12V AC input, current rating 1amp

DIMENSIONS

- (L x W x H) 13" x 13.5" x 2.75"

WEIGHT

- 5 lbs