12 SPECIFICATIONS

ANALOG SYNTHESIZER

Main Oscillator

- Waveform: Saw & Square
- Range: 5 Octaves

Sub Oscillator

- Waveform: Saw, Triangle, & Square
- Range: (-1) and (-2) Octaves relative

Oscillator Control

- Tune: +/-500 Cents
- Slide Time: (4) Settings (per step)

Filter A/B (common controls)

- Cutoff Frequency
- Resonance
- Filter Envelope Depth (Env Mod)
- Filter Tracking
- Modulation Envelope Depth

Filter B (additional control)

- Filter B Mode

Filter Envelope

- Decay Time
- Accent Decay Time
- Accent Depth

Modulation Envelope

- Attack Time
- Decay Time
- Filter Modulation Depth (bi-polar)
- VCA Modulation Depth (bi-polar)

VCA Envelope

- Decay Time

CONNECTIONS

Power: DC6V/2A

Audio Inputs & Outputs

- Main Output
- Headphone Output
- Saw Output
- Square Output
- Filter Input
- Filter/Amp Output

Control Inputs & Outputs

- Gate/CV In
- Gate/CV Out
- Filter CV In
- Accent Sweep Out
- USB
- MIDI In & Out
- DINSync In & Out

DIGITAL SEQUENCER

Pattern Details

- 112 Patterns (Transferable via MIDI/USB)
- Pattern Length = 64 steps maximum
- 1 Step = 1/4, 1/8, 1/16, 1/32 (includes triplet modes)
- Pattern Copy, Paste, Clear
- Shuffle - up to 8 stages
- Pattern Directions: Forward, Reverse, Pendulum, Random
- Skip Steps
- Slide Times: 50ms, 100ms (303), 400ms, 2s (per step)
- Arpeggiator - Realtime & Record modes

Pattern Memorized Content

- Per Step: Note Length, Pitch, Accent, Slide, Env Trig,
- Slide Time, Filter CV, Gate Length
- Per Pattern: Time Signature, Length, Direction, Shuffle,
- Rotate, Filter B Mode

Pattern Write Modes

- Normal Mode
- Record Mode
- Pitch & Time Step Entry Mode (303)

Tracks Details

- 7 Tracks (Transferable via USB/MIDI)
- 64 Track Steps per track
- Transpose & Repeats per Track Step
- Copy, Paste, Clear, Dump
- Realtime Accent, Slide, Env Trg, Rest

Track Memorized Content

- Order of Patterns
- Transposition per Track Step
- Repeats per Track Step
- Cue (Loop) Points

Sequencer Primary Controls

- Tempo: 40~300BPM
- Primary Modes: Pattern Play/Write, Track Play/Write
- Chromatic Keyboard
- Pattern/Bank Select Buttons
- Step LED Buttons
- Function (Secondary) Menu
- Run/Stop

DIMENSIONS

- 346mm (13.62")W x 172mm (6.77")D x 45mm (1.77")H
- 352mm (13.86")W x 176mm (6.93")D x 65mm (2.56")H w/ Hardware & Feet:
- Weight: 5.2lbs (2.36kg)