

QUARTZ-8 Synthesizer Specifications

- **Size:** 975 x 420 x 140 mm
- **Weight:** 12 kg
- **Power consumption:** 27 Watt
- **Connections:**
 - **AC In:** 220V AC, 50Hz, standard IEC14 socket
 - **MIDI:** In, Out, Thru, standard 5-pin MIDI-DIN
 - **Audio:** Phones, Main Left, Main Right, 6.35mm Jack sockets
 - **Pedals:** Sustain pedal, Continuous control pedal, 6.35mm Jack sockets
 - **USB:** Micro USB for Firmware updates
- **Memory:** 128 locations for dual program setups
- **Keyboard:** 61 keys, Full size, Velocity, Channel aftertouch
- **Performance Controls:** Pitchbend wheel, Modulation wheel, Octave buttons, 2 Assignable knobs
- **Front panel controls:** 32 knobs, 2 encoders, 53 buttons, 41 LEDs
- **Display:** Backlit LCD, 20 x 2 characters
- **Polyphony:** 8 voices
- **Multitimbral:** 2 parts, 4 voices per part with split and layer capabilities
- **Oscillators:** 2 per voice, 3340 based, all waveforms available simultaneously, 4 waveforms for oscillator 1, 3 waveforms for oscillator 2, hard sync from oscillator 1 to oscillator 2
- **Sub oscillator:** 2 per voice, 1 octave down from oscillator 1 and 2 octaves down from oscillator 1
- **Noise Generator:** 1 per part
- **Filter:** 4 modes with resonance and self-oscillation capabilities:
 - 4-pole Low pass (3320 based)
 - 2-pole Low pass (OTA based)
 - 2-pole Band pass (OTA based)
 - 2-pole High pass (OTA based)
- **Audio modulation:** Oscillator 1 to Oscillator 2, Oscillator 1 to Filters
- **Panner:** 1 per part
- **LFOs:** 2 per voice, all waveforms available simultaneously, speed can be modulated, 1 dedicated vibrato LFO per layer
- **Envelopes:** 2 per voice, DADSR (Delay, Attack, Decay, Sustain, Release) each with dedicated velocity control, 1 per layer
- **Modulation busses:** 14, each with selectable source, selectable modifier/attenuator and bipolar amount
- **Arpeggiator:** 1 per part, 5 modes, 4 octaves
- **Included accessories:** Power cable, User manual