

A thoughtfully designed interface

Joystick

Controls pitch bend and modulation depth, etc. A desired parameter can also be assigned to the up/down axis.

Voice mode

The four voice modes were selected for the minilogue xd.

- POLY: The minilogue xd operates as a four-voice polyphonic synth.
- UNISON: The unit operates as a monophonic synth, with the four voices working in unison.
- CHORD: Chords are produced using one to four voices.
- ARP / LATCH: (ARP) Provides an arpeggiator with up to four voices that can also be used while the sequencer is running / (LATCH) Switches latch on or off.

A voice mode depth knob is also provided, which applies a corresponding effect for each mode.

- POLY: Turning the knob toward the right switches to DUO mode and deepens the detune.
- UNISON: Turning the knob toward the right deepens the detune.
- CHORD: Selects mono or chord type.
- ARP / LATCH: (ARP) Selects the arpeggiator type.

Micro tuning

The minilogue xd is equipped with the micro tuning function featured on the monologue, allowing you to individually adjust the pitch of each key. Built in are 23 preset tunings that include some created by Aphex Twin and Dorian Concept, and users can also create and store six user scales and six user octaves. Start by trying out the preset tunings of famous musicians, and then advance to creating your own original tunings.

Oscilloscope and motion view display

The organic EL display is now larger, and also provides oscilloscope functionality for you to view sound as the electrical signal's waveform. This makes parameter changes visible in real time, giving you visual feedback that helps you understand how the synthesizer works. The display can also show motion view for visualizing the movement of a stored motion sequence.

A full complement of input and output jacks

Output is now stereo

A stereo effect unit is provided at the final stage, and the output jacks are now also stereo. Spatial-type effects such as delay, reverb, and chorus will add an even more convincing touch to your thick analog synth sounds and sparkling digital synth sounds.

Damper pedal jack

A damper jack has been added in response to requests from artists and users.

Two CV IN jacks

Two CV IN jacks are provided, with voltage levels of -5V--+5V. In addition to CV/Gate, these can also input modulation signals, allowing you to use external devices to control parameters in the same way as moving the joystick up or down.

Specifications:

Keyboard

37-keys (Slim-key, velocity sensitive)

Sound Generation

Analogue sound generator + Multi digital sound generator (Noise, VPM, User)

Maximum Polyphony

4 voices

Programs

500 voices (more than 200 preload, 300 user programs).

Each program provides a program sort function that includes voice mode settings.

Favorite function built in.

Voice Mode

4 (POLY, UNISON, CHORD, ARP / LATCH).

The VOICE MODE DEPTH setting allows different parameters to be varied for each mode.

Sequencer

16-step polyphonic sequencer

Motion sequence can be used on up to four parameters

Main Synthesis Parameters

VCO1: WAVE (SAW, TRIANGLE, SQUARE), OCTAVE, PITCH, SHAPE

VCO2: WAVE (SAW, TRIANGLE, SQUARE), OCTAVE, PITCH, SHAPE

MODULATION: SYNC, RING, CROSS MOD DEPTH

MULTI ENGINE: NOISE/VPM/USER, TYPE, SHAPE

MIXER: VCO1, VCO2, MULTI

VCF: CUTOFF, RESONANCE, DRIVE, KEYTRACK

AMP EG: ATTACK, DECAY, SUSTAIN, RELEASE

EG: ATTACK, DECAY, EG INT, TARGET (PITCH, PITCH2, CUTOFF)

LFO: WAVE (SAW, TRIANGLE, SQUARE), MODE (BPM, NORMAL, 1-SHOT), RATE, INT, TARGET (PITCH, SHAPE, CUTOFF)

Main effect Parameters

EFFECT: TYPE (MODULATION, REVERB, DELAY), ON/OFF (SELECT, ON, OFF), TIME, DEPTH

MULTI ENGINE

Noise Generator: 4 types

VPM oscillator: 16 types

User oscillator: 16 slots

MOD EFFECTS

CHORUS: 8 types

ENSEMBLE: 3 types

PHASER: 8 types

FLANGER: 8 types

USER: 16 slots

DELAY

DELAY: 12 types

USER: 8 slots

REVERB

REVERB: 10 types

USER: 8 slots

Controls

Joy stick that can modify different parameters for each program, PORTAMENTO knob

Display

Main: Real-time OLED oscilloscope provides visual feedback of parameter changes

MULTI ENGINE section: 7 segments x 6 digit LED display

Input/Output connectors

Headphone jack (Stereo phone jack)

OUTPUT L/MONO, R jacks (monaural phone jack unbalanced)

CV IN 1, CV IN 2 jacks (3.5 mm [1/8"] monaural mini jack, Input voltage: -5 V – +5 V (Modulation mode), -3V – +5 V (CV/Gate mode)

SYNC IN jack (3.5 mm [1/8"] mini jack, maximum input level 20 V)

SYNC OUT jack (3.5 mm [1/8"] mini jack, output level 5 V)

MIDI IN jack

MIDI OUT jack

USB B jack

DAMPER jack (half damper is not supported)

Power Supply

AC adapter (DC9 V)

Power Consumption

8 W

Dimensions (W x D x H)

500 mm x 300 mm x 85 mm / 19.69" x 11.81" x 3.35"

Weight

2.8 kg / 6.17 lbs.

Included Items

AC adapter

Accessories (sold separately)

SC-MINILOGUE Soft shall case

SQ-CABLE-6 Sync cable

DS-1H Damper pedal

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