

KORG KROME Music Workstation - Product Specifications

Keyboard

KROME-73

73-key: Natural Touch Semi Weighted keyboard

*velocity sensitive is supported, after touch is not supported

*Standard C1 - C7 (transposable in the range [C0...C6]-[C2...C8])

System

EDS-x (Enhanced Definition Synthesis-expanded)

Sounds

Maximum Polyphony:

120 voices (120 Oscillators) / Single Mode

60 voices (120 Oscillators) / Double Mode

*The maximum simultaneous voice polyphony will vary depending on oscillator settings such as stereo multisamples and velocity crossfading.

PCM Memory:

3.8GB (In case of 48 kHz, 16-bit Linear PCM converted)

1,077 Multisamples (Including 7 Stereo multi-samples)

1,609 Drumsamples (Including 116 Stereo Drumsamples)

Program:

Oscillator

OSC1 (Single); OSC1 + 2 (Double): Stereo multisamples are supported

8 velocity zones per oscillator with switching, crossfades and layers

Filters:

Four types of filter routing (single, serial, parallel, 24 dB)

Two multi-mode filters per oscillator (low pass, high pass, band pass, band reject)

Driver:

Per-voice nonlinear driver and low boost

EQ

Three bands, with sweepable mid

Modulation

For each oscillator: two envelope generators (Filter & Amp)

Two LFOs

Two key tracking generators (Filter & Amp)

Two AMS mixers

Pitch EG

Common LFO

Two common key tracking generators

Combination:

Max: 16 Timbres,

For each Timbre: keyboard and velocity split/layer/crossfades

Modifications to the program settings via the Tone Adjust function

Master Keyboard Functionality available for controlling external MIDI devices

Drum Kit:

Stereo and mono drum samples

8 velocity zones switch (crossfades and layers)

The number of Combination / Program / Drum Kit:

User: 512 Combination (288 Preload)
User: 768 Program (640 Preload)
User: 48 Drum Kit (32 Preload)
Preset: 256 GM2 Program + 9 GM2 Drums Program

Effects

Insert Effects:

5 Insert Effects (stereo in/out)

Master Effects:

2 Master Effects (stereo in/out)

Total Effects:

1 Total Effect (stereo in/out)

Timbre / Track EQ:

3-band EQ per in 1 Timbre / in 1 Track

Effect Types:

193 types

(Usable as insert, master, or total effects. However, double-size effects cannot be used as a total effect.)

Modulation:

Dynamic Modulation, 2 Common LFO

Effects Control Busses:

Stereo side chain (Limiter, Gate, Vocoder, etc)

Effect Preset:

32 preset per effect

Polyphonic Arpeggiator

Program Mode:

1 unit

Combination, Sequencer Mode:

2 units are available.

Number of pattern:

1,028 User Arpeggio pattern (900 Preload)

5 preset Arpeggio pattern

Drum Track

User: 1,000 patterns

Pattern created in Sequencer mode can be converted to drum track user pattern

Configurable "Trigger Mode / Sync / Zone"

Preset: 637 patterns

Common with the preset pattern of the Sequencer mode

Sequencer

Tracks:

16-track MIDI Sequencer + 1 master track

Number of Songs:

128 Songs

Resolution:

1/480

Tempo:

40.00 - 300.00 (1/100 BPM resolution)

Maximum memory:

210,000 MIDI events

Template Song:

16 preset / 16 user template songs

Cue List function:

20 Cue List

Songs can be arranged consecutively or repeatedly in up to 99 steps, a cue list can be converted back into a song.

Pattern:

637 Preset / 100 User pattern (Per song)

RPPR (Realtime Pattern Play and Recording):

1 pattern set per song

Format:

KORG (KROME) format, SMF format 0 and 1

Media

Road, Save, Utility, Data filer functionality (Save and Load MIDI System Exclusive Data)

Controllers

Joystick, SW [1], SW [2]

Realtime Control

[SELECT] Switch: REALTIME CONTROL (TONE, USER), ARP - 4 Knobs

REALTIME CONTROL: Real-time Modulation, Arpeggio control

Drum Track: [DRUM TRACK] Switch On/Off

Arpeggiator: [ARP] Switch On/Off

User Interface**Display:**

Touch view graphical User Interface

7 -inch Color TFT LCD, 800 x 480 pixel

Onboard LCD brightness control

Mode Switch:

[COMBI], [PROG], [SEQ], [GLOBAL], [MEDIA] Switch

VALUE controller:

[VALUE] Dial, [INC], [DEC] Switch, 10 key block ([0] - [9], [-], [.] , [ENTER], [COMPARE])

BANK Switch:

[A], [B], [C], [D], [E], [F] switch (in Combination mode, [A], [B], [C], [D] switch are available)

SEQUENCER switch:

[PAUSE], [REW], [FF], [LOCATE], [REC], [START / STOP]

TEMPO:

[TEMPO] knob, [TAP] switch

Others:

[PAGE] switch, [WRITE] switch, [EXIT] switch, [VOLUME] knob, Contrast knob

Outputs

AUDIO OUTPUT (L / MONO, R):

6.3mm (Mono) Phone jack, Unbalanced

Output Impedance: 1.1[kΩ] (L / Mono terminal: in case of Mono output, = 550[Ω])

Maximum level: +16.0 [dBu], Load Impedance: more than 10 [kΩ].

Headphone Output:

3.5mm Stereo phone jack

Output Impedance: 33[Ω], Maximum level: 60 + 60[mW] (In case of 33[Ω] Loaded)

Control Input

DAMPER pedal (Half Damper supported)

ASSIGNABLE SWITCH

ASSIGNABLE PEDAL

MIDI

IN/OUT

USB

USB-MIDI Interface (TYPE B) x 1

SD Card Slot

Max: 2 GB / SD Memory Card is supported

Max: 32 GB/ SDHC Memory Card is supported

SDxC Memory Card is not supported)

Power

Power supply (DC12V 3.5A), POWER switch

Dimensions (W x D x H)

KROME-61 = 40.43 x 12.32 x 3.5 inches / 1,027 x 313 x 89 mm

KROME-73 = 46.89 x 12.32 x 3.5 inches / 1,191 x 313 x 89 mm

KROME-88 = 57.01 x 15.08 x 5.16 inches / 1,448 x 383 x 131 mm

Weight

KROME-61 = 15.87 lbs. / 7.2 kg

KROME-73 = 22.49 lbs. / 10.2 kg

KROME-88 = 33.51 lbs. / 15.2 kg

Power Consumption

KROME-61 / 73 / 88 = 12W

Accessories

AC Adapter

Quick Start Guide,

Accessory Disc (KROME Operation Guide PDF, Parameter Guide PDF, Video Manual)

Option

xVP-10: Expression/Volume pedal

ExP-2: Foot Controller

DS-1H: Damper Pedal

PS-1, PS-3: Pedal Switch

System Requirements for "Computer with the KORG USB-MIDI Driver"

Windows OS:

Microsoft Windows XP Home Edition/Professional SP3

Windows Vista SP2

Windows 7

Requires USB port

Macintosh OS:

Mac OS x 10.4.11 or later

Requires USB port

System Requirements for "KROME Editor, KROME Plug-In Editor"

Windows OS:

Microsoft Windows XP Home Edition/Professional SP3

Windows Vista SP2

Windows 7

Note: So far "Windows 7 and Windows Vista (64-bit edition)", KROME Editor only can work.

CPU: Intel Pentium III / Greater than 1 GB, Pentium D or later Core Duo recommended.

Memory: More than 512MB (Greater than 1 GB recommended)

Monitor: 1024x768, more than 16bit Color

Others: Computer with USB ports support "Windows 7, Windows xP, Windows Vista".

Macintosh OS:

Mac OS x 10.4.11 or later

Note: It can't support "64-bit" DAWs "64-bit Plug-in".

CPU: Later Apple G4 800MHz (Intel Mac supports), G5 or more than Core Duo recommended

Memory: More than 512MB (Greater than 1 GB recommended)

Monitor: 1,024x768, More than 32,000 Color

Others: Apple Macintosh computer with USB ports support Mac OS X

* KROME Plug-In Editor supports "for Windows: VST, RTAS/ for Macintosh: VST, Audio Unit, RTAS"

* The KROME Plug-In Editor must also support the operating requirements of your host application.

* It is not possible to run multiple instances of KROME Editor or KROME Plug-In Editor on the operating system. This means that it is not possible to use these editors to simultaneously edit two or more KROME units.

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* Specifications and appearance are subject to change without notice for improvement.