

Korg KROME-88 88-Key Music Workstation

Keyboard

88-key: NH (Natural Weighted Hammer Action) keyboard

*velocity sensitive is supported, after touch is not supported

*Standard A0 - C8 (transposable in the range [A-1...C7]-[A1...C9])

* The NH keyboard reproduces the touch of an acoustic piano, with a heavier feel in the low register and a lighter feel in the upper register.

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[k Ω] (L / Mono terminal: in case of Mono output, = 550[Ω])

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

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

Power Consumption

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 Colour

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 Colour

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.