People and Technology in Harmony

KORG

KEC-42

DT-1PRO

KMP-68

KMX-122

KMX-62

DVP-1

SDD-3300

SDD-1200

DRV-3000

DRV-2000

DRV-1000

# NEW RACK SERIES

KEC-42
EQ/COMPANDER

NEW

A studio quality multi-functional signal processor at a price everyone can afford.

The new KEC-42 multi-signal processor incorporates 4 independent EQ sections and 2 independent multi-function VCA circuits into a compact single space rack. Each EQ section consists of high and low shelving plus a peaking mid-range sweepable from 100 to 10K giving you complete control over the entire audio spectrum. The EQ sections can be used separately with independent INs and OUTs or ganged together for even greater flexibility. Each VCA circuit can function as a compressor, limiter or expander while simultaneously functioning as a noise gate. The two compander/gate sections can be easily linked in stereo. Perhaps the best thing about the KEC-42 is its ease of operation. Complex studio tricks like frequency dependent compression and noise gate keying that

usually require a patchbay and a bunch of cables are easily achieved with the flick of a switch using KORG's unique VCA Control Circuit. The KEC-42 is quiet and flexible enough for 48 track studios and inexpensive enough for 4 tracks. It's sure to statisfy all your analog signal processing needs.

SPECIFICATIONS/ ■EQ INPUT × 4: INPUT LEVEL (–10dBm) INPUT IMPEDANCE (100KΩ LINK 25kΩ) ■EXT INPUT (AUX × 2, KEY × 2): INPUT LEVEL (–10dBm), INPUT IMPEDANCE (50kΩ) ■OUTPUT × 6: OUTPUT LEVEL (–10dBm), OUTPUT IMPEDANCE (1kΩ) ■FREQUENCY RESPONSE: EQ (20Hz~20kHz±1dB). COMP(20Hz~20kHz, +3dB) ■S/N RATIO: EQ (90dB, EFFECT) COMP (88dB BYPASS/79dB EFFECT) ■EQUALIZER: SHELVING LOW (±20dB at 100Hz), HIGH(±10dB at 10kHz); PARAMETRIC (±15dB, 100Hz, Q=1.5) ■COMPANDER, GATE: RATIO (∞:1~1:1~1:2), THRESHOLD LEVEL (–∞~+10dB), ATTACK TIME (2ms), RELEASE TIME (30ms~1.4s), HOLD TIME (100ms~1.5s) ■DIMENSIONS: 435 (w) × 249 (D) × 44 (H) mm ■WEIGHT: 2.6 kg ■ACCESSORY: Rack mount adaptors
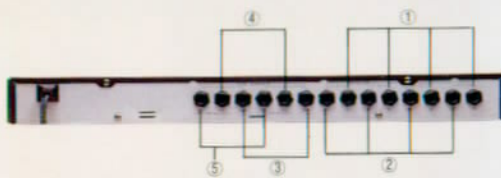
EXPLANATION OF REAR PANEL
① EQ IN: Inputs for each equalizer. Keyboards, drum machines, tape tracks etc. are connected here.
② EQ OUT: Used as individual outputs of each equalizer. If nothing is connected, the outputs of EQ are bussed to the next EQ module are then to the compander circuit.
③ GATE COMP/EXP OUT: Output terminals for the companders. Normally used as the master output.
④ EXT AUX IN: Terminal for directly inputting to the companders. If this terminal is not used, the outputs of EQ are input directly.
⑤ EXT KEY IN: Terminal for directly inputting signals to control the companders. If this terminal is not used, the companders are controlled by the outputs from the EQ section.

OPTIONS ■1U RACK CASE HC-1U ■NUMBER CORD (3m/5m/7m)

# DT-1 PRO
DIGITAL TUNER

NEW

The world's first rack-mounted digital tuner.

The DT-1pro digital tuner is the world's first rack-mounted tuner. Incorporating the tuner into your rack system makes it possible to build a total system to produce everything from the creation of exact musical intervals. The large-sized LED meter lets you obtain extremely accurate tuning without ever reaching for the tuner. This is particularly convenient when you are performing on stage. Further, the tuner has four input/output channels (CH1 to CH4) so that you can connect up to four sound source modules in the rack, letting you tune each unit individually without the need to change the patching. In addition, the tuner has a front panel input for input to the whole rack set up most convenient for guitarists and bassists.

A MIX OUT terminal outputs all inputs of the four channels after mixing them; it can also be used as a simple mixer.

SPECIFICATIONS/ ■SCALE: 12 tons scale ■METER: Cent indication (–50k to + 50 cents) ■INDICATION SOLUTION: 2 cents (–20 to +20 cents), 10 cents (–50 to –21 cents, +21 to +50 cents) ■MEASUREMENT RANGE: C1 (32.70Hz) ~ B7 (3951.07Hz), 7 octaves (at A4=440Hz) ■MEASUREMENT ACCURACY: ±0.5 cent ■REFERENCE OSCILLATION SOUND: C2(65.4Hz) ~ B5(987.77Hz), 4 octaves (at A4=440Hz) ■CALIBRATION RANGE: A4=438Hz ~ 445Hz (1Hz step) ■INDICATION LED: Sound name indication LED × 12 and reference pitch indication LED × 8, mode indication LED × 5, tuning indicator LED × 28 (red), × 1(green) ■CONNECTING TERMINAL: Front panel-INPUT, MUTE, PHONE ■REAR PANEL: IN(1~4), OUT(1~4), SOUND OUT, MIX OUT ■POWER SUPPLY: 100V AC. 50/60Hz ■DIMENSIONS: 435 (W) × 221 (D) × 44(H) mm ■WEIGHT: 2.5kg ■ACCESSORY: Rack mount adaptors
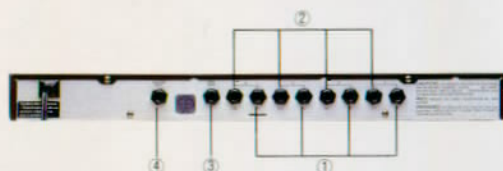
EXPLANATION OF REAR PANEL
① INPUT: Connects musical instruments for tuning.
② OUTPUT: Used to individually output the signals entered to each input.
③ MIX OUT: Outputs the signals entered to each input after mixing them.
④ SOUND OUT: Performance sound is output from this jack only.

OPTIONS ■1U RACK CASE HC-1U ■NUMBER CORD (3m/5m/7m)

KMP-68
MIDI PATCHBAY

NEW

A MIDI patch be to get the most power out of your system

The KMP-68 patch bay provides a total of six INs and eight THRUs; two INs and two THRUs are located on the front panel and the others are mounted on the rear panel. The eight THRU terminals come with an equal number of rotary switches, each corresponding to one terminal, for easy, speedy patching depending on the situation. Furthermore, the input/output channels

provided on the front panel lets you respond instantaneously to the setting of the master keyboard and MIDI communication outside the rack. In addition, monitor LEDs are provided channel to channel for easy confirmaiton of the MIDI signals output to the eight MIDI THRUs. All told, the KMP-68 functions as the heart of your MIDI system.

SPECIFICATIONS/ ■CONTROL: Input signal selector, 1-8 ■CONNECTOR: MIDI IN 1-6, MIDI THRU 1-8 ■POWER SUPPLY: 100V AC. 50/60Hz ■DIMENTIONS: 435 (W) × 231 (D) × 44 (H) mm ■WEIGHT: 2.1 kg ■ACCESSORY: Rack mount adaptors
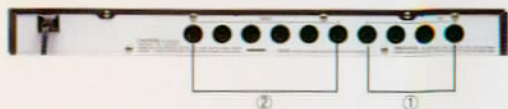
EXPLANATION OF REAR PANEL
① MIDI IN: Connects to the MIDI OUT of other equipment, as do the two INs located on the front panel.
② MIDI THRU: Connects to the MIDI IN of other equipment, as do the two THRUs located on the front panel.

OPTIONS ■1U RACK CASE HC-1U ■SYNC/MIDI CABLE (1.5m/3m/5m)

SDD-3300
TRIPLE DIGITAL DELAY

Meets all professional requirements. Features three delay units in 2U size, and triple digital delay for high-dimension MIDI.

Incorporates three digital delay units in its compact 2U-size body. Its 6ch input and output mixers permit each digital delay to be freely connected internally, letting you create unprecedented, high-dimension acoustic effects, such as 3-phase chorus/flanger, delay + L/R-independent stereo chorus, and delay panning. Up to 64 kinds of programs can be stored in memory, with the name of each program indicated by an LCD display with up to 17 characters. In addition, one delay unit contains two LFOs and high-cut/low-cut filters, letting you create very complicated changes in timing. The LFO permits phase difference to be set to any value of 0, 60, 90, 120, 180, 210 and 240 for each delay unit. Thus you can control the modulation of the sound any way you want — a feature that cannot be obtained with conventional stereo chorus. Further, the three delay units are capable of up to 1-second sampling. While sampling signals with one unit and producing them repetitively with the hold function, you can get sound effects

with the other units. They are perfectly compatible with MIDI. As well as changing programs, they can also transmit and receive system-exclusive data. For everything from studio use to live use, the SDD-3300 produces special effects and concert-hall presence, for truly professional performance.

SPECIFICATIONS/■INPUT (200Hz): Input level (−20dBm), Impedance (1MΩ), Max clip level (+15dBm) ■OUTPUT (200Hz): DIRECT [Output level (−10dBm), Impedance (1kΩ), Max clip level 200Hz (+15dBm)]. EFFECT [Output level (−10dBm), Impedance (1kΩ), Max clip level 200Hz (+3dBm)] ■FREQUENCY RESPONSE: DIRECT (20Hz–20kHz ± 1dB), EFFECT (30Hz ~ 16kHz, +1dB, −3dB) ■DYNAMIC RANGE: EFFECT Over 93dB (IHF-A) ■S/N RATIO: EFFECT Over 80dB (IHF-A) ■DISTORTION (200Hz): DIRECT (Under 0.05%), EFFECT (Under 1.0%, 0.3% TYP) ■DELAY TIME: 0.5 msec ~500 msec (128 positions) ■FILTERS: HIGH-CUT (Variable cutoff frequency (800Hz and over: 8 position)], LOW-CUT (Variable cutoff frequency (700Hz and under: 8 position)] ■MODULATION: Waveform (sine wave) Frequency (0.05~ 10Hz), Delay Mod Range: (4:1) ■SIGNAL PROCESSING: Sampling Frequency (88kHz, non-modulated in DELAY mode). Method (12 bit digitalized + analog logarithm compression) ■MIDI TERMINALS: IN, OUT, THRU ■DIMENSIONS: 88 (H) × 429.5 (W) × 280.7 (D) mm ■WEIGHT: 5.7 kg ■POWER SUPPLY: Local voltage ■POWER CONSUMPTION: 16W ■ACCESSORIES: AC power cord, Rack mount adaptor, Mounting screws, MIDI cable (3m) (are uniform for Units A, B, and C.)

EXPLANATION OF REAR PANEL
① INPUT: Connects keyboard or electric guitar/bass, mixer, etc.
② DIRECT: Outputs direct sound as it is.
③ MIX: Outputs direct sound (mixed by output mixer) and effect sound (or sampled sound).
④ LEVEL: Adjusts the total level of signals output from MIX OUT.
⑤ HOLD/TRIG: With foot switch, etc. connected, it controls hold function and sampling function.
⑥ BYPASS: With foot switch, etc. connected, it permits only the direct sound to be output.
⑦ MIDI: Comes with IN, OUT and THRU.
⑧ Contrast: A control knob to adjust the legibility of LCD display.
⑨ AC cord socket

OPTIONS ■MEMORY EXPANDER MEX-8000 ■PEDAL SWITCH PS-1 ■PEDAL SWITCH PS-2 ■TWIN CABLE TWC-030 (3m) ■MIDI CABLE 7m/10m/12m ■SYNC/MIDI CABLE (1.5m/3m/5m) ■2U RACK CASE HC-2U

SDD-1200
DUAL DIGITAL DELAY

Born from a new effect concept. It's "dual" capability makes sound creation virtually infinite.

Each of the two independent delay units comes with two channels of input (IN, FEED BACK IN), four channels of output (+MIX, −MIX, EFFECT, DIRECT) and two channels of control (BYPASS, HOLD/TRIG). In addition to unit-by-unit "parallel delay," you have a flexible choice of connections, such as "serial delay," "cross feedback" and "open feedback loop," made possible by reciprocal input/output patching. The SDD-1200 is an entirely new concept in sound creation. Each delay unit provides a very high level of basic performance as a digital delay. 0.5 msec to 1024 msec of delay time (up to a maximum of 2048 msec in serial connection), 16 kHz of frequency response, more than 92dB of dynamic range ... perfect specifications for any intended use. Each delay unit comes with high-cut/low-cut filters, letting you create a wide range of sounds from soft chorus to high frequency intensive flanger. And each has a modulation generator, for versatile

stereo effects that only the dual system can create. The SDD-1200 responds flexibly to the infinitely expanding, creative minds of musicians.

SPECIFICATIONS/■INPUT A: Input level (−20dBm), Input Impedance [1MΩ (INPUT B when in use), 500kΩ (INPUT B when not in use)], Max clip level (+16dBm) ■INPUT B: Input level (−20dBm), Input Impedance (1MΩ), Max clip level (+15dBm) ■FEEDBACK IN A,B: Input level (−10dBm), Input impedance (1MΩ), Max clip level (+16dBm) ■OUTPUT (+MIX A-B, −MIX A-B, EFFECT A-B DIRECT A-B) Output level (−10dBm), Output impedance (1kΩ), Max clip level (+4dBm) ■FREQUENCY RESPONSE: 20Hz ~ 20kHz, ±1dB (DIRECT), 30Hz ~ 16kHz, +1dB, −3dB (when FACTOR × 0.25) (EFFECT) ■DYNAMIC RANGE: 92dB and above (IHF A) (EFFECT) ■S/N RATIO: 72dB and above (IHF-A) ■DISTORTION: Below 0.05% (DIRECT), Below 0.2% (EFFECT) ■DELAY TIME: 0.5ms ~ 1024ms [1, 8, 32, 128, 512, 1024ms (6-position), × 0.25 ~ × 1: (change in succession)] ■FFEEDBACK: 0 ~ +110% (posible phase), 0 ~ −110% (negative phase) ■FILTER (EFFECT SOUND): HIGH-CUT (10kHz, 0 ~ −18dB, change in succession), LOW-CUT (700Hz, 0 ~ −18dB, change in succession) ■MODULATION: Modulation waveform (triangle waveform), Modulation frequency (0.05 ~ 8Hz), Delay time mod. range (4:1) ■SIGNAL PROCESING: Sampling frequency [42kHz (FACTOR × ×1), 170 kHz (FACTOR = ×0.25)]. Method (12 bit quantatized + analog logarithm compression) ■DIMENSIONS: 482 (W) × 44 (H) × 340 (D) mm ■WEIGHT: 4.2 kg ■POWER SUPPLY: 100V 50/60Hz ■POWER CONSUMPTION: 11W ■ACCESSORIES: AC cord, Rack mounting screws

EXPLANATION OF REAR PANEL
① INPUT (units A and B): Connects keyboard, electric guitar, etc. If nothing is connected to unit B, input to unit A are also input to unit B.
② FEEDBACK IN: A terminal which cancels internal feedback and receives input externally.
③ EFFECT OUT: Outputs effect sounds only.
④ DIRECT OUT: Outputs direct sounds only.
⑤ −MIX OUT: Outputs the mixed product of direct sound and phase-inverted effect sound.
⑥ +MIX OUT: Outputs the mixed product of direct sound and effect sound.
⑦ BYPASS: Bypass control terminal independent for each unit. It connects foot switches such as PS-1 and PS-2.
⑧ HOLD/TRIG: By means of foot switch, it is used to control hold or start the record/playback of sampled sound.

OPTIONS ■PEDAL SWITCH (PS-1, PS-2) ■TWIN CABLE TWC-030 (3m) ■PATCH CORD SET/A (25cm × 5) + (35cm × 3) + (50cm × 2) B(1m × 5) + (2m × 2), C (35cm × 2) + (50cm × 2) + (70cm × 5) ■1U RACK CASE HC-1U

DRV-3000
DUAL DIGITAL EFFECT PROCESSOR

Astounding sound quality, and creative flexibility. A high-end effect processor capable of creating any desired effect

Incorporates a high-performance 24-bit Digital Signal Processor (D.S.P.) for arithmetic/logic processing. Signals are sampled at a frequency of 44.1 kHz, and the frequency response of effect sounds is perfectly flat up to 20 kHz. Dynamic range, distortion, S/N ratio . . . all the basic performance capabilities meet the most demanding professional needs. The 16 kinds of basic effects constituting the original program provide the highest possible quality. They range from five types of reverb effects (halls 1 to 3, plate, garage) to early reflections 1 & 2, from parametric equalizer/driver to stereo echos 1 & 2, and include stereo flange, stereo chorus, ensemble, pan and pitch shifts 1& 2. From this variety of basic effects, two types can be selected and their parameters edited. Further, these can be freely connected parallel or serial to create 32 original programs

which are then saved in memory. All operations are controlled from a wireless remote control unit. Of course, the DRV-3000 comes with MIDI. With two types of input/output terminals, RCA and 1/4", it lets you create any desired sound either in recording studios or on stage.

SPECIFICATIONS/ ■INPUT: Lch +4dBm (+18dBm MAX)/−20dBm (−6dBm MAX) 20kΩ, Rch +4dBm (+18dBm MAX)/−20dBm (−6dBm MAX) 20kΩ, MONO +4dBm (+18dBm MAX)/−20dBm (−6dBm MAX) 50kΩ ■OUTPUT: PROCESSING 1, OUT 1 Lch +4dBm (+18dBm MAX)/−20dBm (−6dBm MAX) 1kΩ GAIN UNITY. OUT 1 Rch +4Bm (+18dBm MAX)/−20dBm (−6dBm MAX) 1kΩ GAIN UNITY. PROCESSING 2, OUT 2 Lch −10dBm 1kΩ (+4dBm MAX), OUT 2 Rch −10dBm 1kΩ (+4dBm MAX) ■FREQUENCY RESPONSE: 10Hz ~ 100kHz +0, −3dB DIRECT, 20Hz ~20kHz +0, −3dB EFFECT ■DYNAMIC range: 101dB (IHF-A) DIRECT, 89dB (IHF-A) EFFECT ■DISTORTION (THD): 0.004% DIRECT (AT PROCESSING 2 1kHz 0dBm), 0.006% EFFECT (AT PROCESSING 1 1kHz + 14dBm) ■QUANTIZATION: 16 bit A/D Linear conversion (1 ch), 16 bit D/A Linear conversion (2 ch) ■SAMPLING FREQUENCY: 44.1kHz ■POWER SUPPLY: AC 117, 220, 240V 50/60Hz ■DIMENSIONS: 482.6 (W) × 313.3 (D) × 88 (H) mm (EIA 2U RACK) ■WEIGHT: 5.1 kg ■ACCESSORIES: Remote control unit, Battery (SUM-3) × 2, Bind tapping screw (M5 × 16) × 4, Washer (φ5) × 4
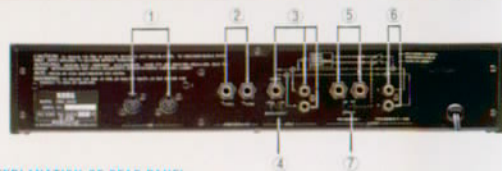
EXPLANATION OF REAR PANEL

① MIDI: "IN" Receives MIDI signals. "THRU", outputs received MIDI signals to other MIDI equipment as they are.

② Assignable control jack: Connects foot switches, such as PS-1 and PS-2, to control program change, duration of reverb time, etc.

③ INPUT: Two types, PHONE and PIN, capable of handling any kind of sound source from professional equipment to home audio sets, as well as electronic musical instruments.

④ INPUT LEVEL selector switch: Switches to either +4 dB or −20 dB according to the input level of connected equipment.

⑤ Processing Out 1: Output terminal for PHONE. Used for electronic musical instruments and mixers.

⑥ Processing Out 2: Output terminal, PIN configured, which produces effects that are best suited for AV systems, etc.

⑦ Effect ON/OFF switch: A switch to select whether or not to mix Processing Out 2 with effect sound.

OPTIONS ■PEDAL SWITCH PS-2 ■PEDAL SWITCH PS-1 ■2U RACK CASE HC-2U ■SYNC/MIDI CABLE (1.5m/3m/5m) ■STEREO CONNECTION CORD

DRV-2000
DIGITAL REVERB

Effects that respond to a musician touch. Incorporating unique multi-modulation function, the DRV-2000 allows performance control.

The multi-modulation function built into the DRV-2000 permits main parameters which determine the quality of effects, such as reverb time, echo feedback level and pan speed, to be changed in real time by MIDI data or pedal devices. Thus you can control various effect parameters by how you play making effects an integral part of performance. Imagine having how hard you hit the keyboard control reverb time, the depth of the chorus, or the number of repeats in a delay. The creative possibilities are endless. Furthermore, the unit incorporates a 24-bit, high-precision D.S.P. to reproduce natural and high quality sounds. The basic program has 16 kinds of built-in patterns such as reverb, stereo echo, stereo flanger, stereo chorus, pan and reverb & echo. Editing these

patterns lets you produce a total of 80 original programs which are then saved in memory. The unit also comes with an assignable control jack that permits volume pedal, foot switch, etc. to be connected simultaneously. The foot switch lets you control multi-modulation, change of programs and effect cancellaiton. What's more, the unit provides perfect match for system play with MIDI equipment, such as a large-capacity memory stock using the MEX-8000 memory expander. The DRV-2000 is a creative, effect that goes beyond the performance capability of a simple multieffect unit.

SPECIFICATIONS/ ■INPUT: +4 dBm/10 kΩ, −20 dBm/10 kΩ ■OUTPUT: +4 dBm/1kΩ, −20 dBm/1 kΩ ■AD/DA METHOD: 16 bit Linear Conversion ■FREQUENCY RESPONSE: 20 Hz~20 kHz +/−1 dB (direct), 20 Hz~12 kHz +1 dB, −3 dB (effect) ■DYNAMIC RANGE (IHF-A): 95 dB (direct), 80 dB (effect) ■DISTORTION: 0.01% (direct), 0.05% (effect) ■EFFECTS: Reverb (6 Types), Gate Reverb (2 Types), Delay (3 Types), Flanger, Chorus, Space Pan, Reverb & Echo, Reverb & Chorus ■REAR PANEL: Input Jack, Output Jacks (R, L/MONO), Control Jacks (SW1, SW2), MIDI (IN, OUT/THRU) ■POWER CONSUMPTION: 17 W ■DIMENSIONS: 482 (W) × 291 (D) × 44 (H) mm ■WEIGHT: 4 kg

EXPLANATION OF REAR PANEL

① INPUT: Connects keyboard, electric guitar, mixer, etc. Can switch between −20 dB and +4 dB according to the input level.

② OUTPUT: Terminal for stereo output. If used for monaural output, connects to L/MONO terminal.

③ Assignable control jack: Connects foot switch such as PS-1 and PS-2, as well as volume pedal such as KVP-001 and 002, also accepts external trigger input.

④ MIDI (comes with MIDI OUT/THRU switch):
A MIDI terminal with selector switch. If you want to output received MIDI data to other MIDI equipment as it is, connect to THRU. If you want to change DRV-2000 programs or send exclusive messages, connect to OUT.

OPTIONS ■MEX-8000 MEMORY EXPANDER ■MPK-130 MIDI PEDAL KEYBOARD ■PS-1 PEDAL SWITCH ■PS-2 PEDAL SWITCH ■KVP-001 VOLUME PEDAL FOR GUITAR ■KVP-002 VOLUME PEDAL FOR-KEYBOARD ■1U RACK CASE HC-1U ■SYNC/MIDI CABLE (1.5 m/3 m/5 m)

DRV-1000
DIGITAL REVERB

A high cost-performance device with digital sound quality.

Using a newly developed D.S.P., this unit provides a wide dynamic range, low noise and low distortion. A functional design has made this low-cost machine possible, while at the same time providing the basic performance any high quality reverberator should have. It meets the needs of players of keyboard, guitar, bass, drums and many other instruments. Any desired reverb effects can be selected from among 128 kinds that are obtained from eight most frequently used preset effects (small hall, large hall, room, garage, vocal plate, instrument plate, gate reverb, reverse). Selection is done through a high damp switch that lets you produce warm effects in conjunction with an 8-step reverb time selector by increasing the attenuation rate in the high frequency range. By

taking full advantage of the preset selection, you can have speedy and easy opertion that can be performed any way you want. Also available is a LONG function that lets you switch the reverb time to a maximum time with a foot switch, for an expansive effect like the damper of a piano. A simple layout, large-sized switches . . . everything is designed from the player's point of view.

SPECIFICATIONS/ ■INPUT: Input level (−20dBm), Impedance (10kΩ), Max clip level (+5dBm) ■OUTPUT (R, L/MONO): Output level (−10dBm), Impedance (1kΩ), Max clip level (+5dBm) ■FREQUENCY RESPONSE: DIRECT (20Hz~20kHz, ±1dB), REVERB (20Hz~10kHz, +1dB, −3dB) ■DYNAMIC RANGE: DIRECT (95dB, IHF-A), REVERB (80dB, IHF-A) ■DISTORTION: DIRECT (0.01%), REVERB (0.05%) ■QUANTIZATION: 16 bit A/D linear conversion (1ch), 16 bit D/A linear conversion (2ch) ■POWER SUPPLY: Local voltage 50/60Hz ■POWER CONSUMPTION: 7W ■DIMENSIONS: 482 (W) × 290 (D) × 44 (H) mm ■WEIGHT: 3.6 kg

EXPLANATION OF REAR PANEL

① INPUT: Connects keyboard, electric guitar, bass, drum machine, etc

② OUTPUT: Outputs the mixed product of direct sound and reverb sound in stereo.

③ REV CANCEL: A foot switch is connected. While it is pressed, direct sound only can be output.

④ LONG: A foot switch is connected. By pressing it you can change the selected reverb time to the maximum length available for the currently selected setting.

OPTIONS ■PEDAL SWITCH PS-1 ■PEDAL SWITCH PS-2 ■TWIN CABLE TWC-030 (3m) ■NUMBER CORD (3m/5m/7m) ■1U RACK CASE HC-1U

KMX-122
LINE MIXER

NEW

A performance oriented rack mount . . . 12ch line mixer.

The KMX-122 is a 12ch line mixer that can be mounted on the rack along with synthesizer modules, etc. Input terminals for each channel are provided on both the front and rear panels. These input terminals afford excellent flexibility by letting you use the rear panel for patching with a rack effect or sound source module, while allowing you to connect an out-of-the-rack keyboard, guitar, etc. to the front panel. (If simultaneously connected, the front panel has priority.) In addition to channel-by-channel PAN, the unit comes with three channels (E1 to E3) of effects send, letting you hook up a maximum of three effectors. What's more, you can simultaneously use two channels (E1 + E2, E1 + E3) of effect send per signal channel. All three effect return channels are

stereo, providing full compatibility with stereo effects. Individual channel are provided prefader/postfader selector switches for effect send 1 (E1), and a SUB OUT terminal allowing convenient monitor output, for super capability when you mix down to MTR. Though only 2 rack spaces, the KMX-122 provides a total of 12 channels and versatile functions, making it an ideal performance mixer.

SPECIFICATIONS/■INPUT × 12: -10dBm/12kΩ, Channel Volume, Effect Send (E1, E2/E3), Pan (L/R) **■EFFECT (INPUT × 6, OUTPUT × 3):** Input (-10dBm/12kΩ), output (-10dBm/560Ω) **■OUTPUT × 2:** -10dBm/560Ω, SUB OUT × 2 +4dBm, /560Ω **■MASTER CONTROL:** Master Level (L/R), Effect Return Level (E1, E2, E3) **■PHONES:** -22dBm/100Ω, Phones Volume **■INDICATOR:** Master Level (L/R), Effect Return Level (E1, E2, E3), Input Peak (LED × 12) **■S/N RATIO:** 80dB **■FREQUENCY RESPONSE:** 10kHz (-1.3dB), 35kHz (-0.5dB) **■DIMENSIONS:** 435 (W) × 249 (D) × 88 (H) mm **■WEIGHT:** 4 kg **■ACCESSORIES:** Rack mount adaptors
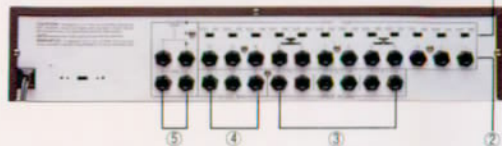
EXPLANATION OF REAR PANEL
① POST/PRE selector switch: Channel-by-channel switches between postfader and prefader.
② INPUT: Connects keyboard or drum machine, MTR output, etc.
③ EFFECT RETURN: Connects the effect output.
④ EFFECT SEND: Connects the effect input.
⑤ MASTER OUT (SUB OUT): Connects amplifier, tape recorder, PA, etc.

OPTIONS ■2U RACK CASE HC-2U ■NUMBER CORD (3m/5m/7m) ■DYNAMIC STEREO HEADPHONES KH-1000


KMX-62
KEYBOARD MIXER

Pioneer rack-mount type, condensing 6ch keyboard mixer functions into 1U-size.

With six input channels and two output channels, the KMX-62 is a rack-mounted mixer with all control switches and buttons located on the front panel. It has one channel of effect send, permitting delay or reverb processing. Because the effect return is stereo, the unit can be used for the stereo output of the DRV series, etc. This terminal also makes it possible to use the unit as an 8-channel mixer. As, it incorporates VCA, the KMX-62 permits you to control the sound volume with CV IN/OUT. Hooking up a foot volume control to CV IN/OUT, for example, makes multiple channel fade-in/fade-out possible. What's more, VCA switches are provided for each of the channels 1 to 6, so that sound volume control can be individually turned on and off, thus facilitating live performance and multitrack recording. The unit also has PAN

which lets you set the position of each channel freely, as well as peak level switching between MASTER and EFFECT. Though compact and affordable, the KMX-62 is an all-round keyboard mixer.

SPECIFICATIONS/■INPUT (6 channels): Input Level (-35db), Input impedance (10kΩ) **■INPUT CONTROL:** Channel volume knobs, EFFECT volume knobs, PAN (balance) knobs (L/R), VCA buttons **■EFFECT (2 channels input, 1 channel output):** Levels (Input -20dB, output -10dB) Impedances (input 10kΩ, Output 5kΩ) **■OUTPUT (2 channels):** Output level (-10dB), Output Impedance (5kΩ) **■MASTER CONTROL:** Master Volume Control knob (L/R), EFFECT Return Volume Control knob **■VCA CONTROL:** CVN & OUT terminal, VCA Adjust (0~6dB) **■INDICATORS:** Master/EFFECT levels=Peak Meter (controlled by Master/Effect Select Switch), Input peak=six LED indicators **■S/N RATIO:** 70dB **■DISTORTION:** 0.0025% (VCA=0.068%) **■DIMENSIONS & WEIGHT:** 482 (W) × 273 (D) × 44 (H) mm, 3.7 kg **■POWER REQUIREMENTS:** 100V AC (50/60Hz) **■POWER CONSUMPTION:** 10W **■ACCESSORIES:** 4 screws for mounting on standard EIA rack
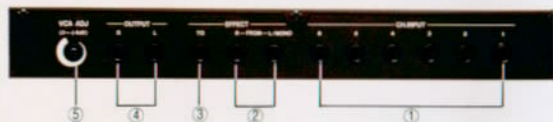
EXPLANATION OF REAR PANEL
① INPUT: Input terminal for each channel. Connects keyboard, drum machine, electric guitar, etc.
② EFFECT FROM (L/R): Inputs delay, reverb, etc. signals from effects.
③ EFFECT TO: Connects to an effector.
④ OUTPUT (L/R): Connects to amplifier, or MTR.
⑤ VCA ADJ: Permits VCA level to be raised to a maximum of 6 dB to compensate for loss by foot volume control.

OPTIONS ■NUMBER CORDS (3m, 5m, 7m) ■FOOT-PEDAL VOLUME CONTROL KVP-002 ■1U RACK CASE

DVP-1
DIGITAL VOICE PROCESSOR

MIDI voice processor incorporating D.S.P. for high-speed audio signal processing and four modes of vocoder, harmonizer, etc.

The DVP-1 is a MIDI voice processor featuring a Digital Signal Processor (D.S.P.), contained in an LSI circuit, for high-speed audio signal processing. The vocoder mode takes out the elements of tone (consonants, formant) from the voice which play an important role in recognizing words, and resynthesizes them into the key specified by MIDI. New parameters which can only be realized by digital processing let you synthesize a wide range of tones. In the harmonize mode, you can control the magnitude of pitch shift by MIDI and thereby harmonizing sounds with a total of five note over a two octave range. The chord memory function even lets you harmonize the input sound in a preset chord configuration. Also available is a pitch shift mode which permits you to change steps over one octave above and below in units of one cent, and to get chorus, detune and octave effects. The internal wave mode, contains synthesized vocal sounds. The DVP-1 broadens the performance boundaries of vocoders.

SPECIFICATIONS/■MODES: Vocoder, Internal wave, Harmonize, Pitch shift **■RANGE:** Vocoder and internal wave modes: 5 octaves Harmonize: 1 octave above and below key note Pitch shift: -1200 cents to + 1299 cents (1 cent steps) **■AUDIO PROCESSING METHOD:** Digital processing by DSP (×2) **■A/D, D/A QUANTIZATION BITE:** A/D 12-bit: D/A 16-bit (linear) **■POLYPHONIC VOICES:** 5 (4 when chorus is ON) **■PROGRAM CAPACITY:** 64 **■INPUTS:** 3P cannon (Impedance 10 kΩ) Standard phone jack (impedance 100 kΩ), (input level: -50dB/-30dB/+4dB) **■OUTPUTS:** Direct out (impedance 1 kΩ), Mix out (impedance: H=1 kΩ, L=10 kΩ; output level H:L=10:1), Phones out **■FREQUENCY RESPONSE:** Direct: 20Hz~20kHz (±3dB) Effect: 20Hz~6.5kHz (-3dB), 20Hz~9kHz (-6dB) **■DYNAMIC RANGE:** Direct 104dB **■S/N RATIO:** Effect: 70dB (JIS-A, Pitch shift mode, Attenuator at +4dB) **■PARAMETERS:** Vocoder & internal wave modes: Formant (Formant shift, Keyboard track, Window length), Breath bypass (Level, Level threshold, Pitch threshold), Internal (Waveform), Pitch EG (Attack time, Decay time, Polarity, Intensity), DCA EG (Attack time, Release time), MG (Frequency, Delay, Pitch, DCA), Bend (Pitch, Formant), Portamento (Portamento time, Hold). Harmonize mode: Key note, Key change, Chord memory, Chord (Note 1 - Note 5), Pitch shift mode, Shift level (Coarse, Fine), Chorus: Speed, Intensity; Effect level, Unison; Detune. Gate; Threshold. Decay. MIDI: Channel, Enable, OMNI, Key window bottom, Key window top, Foot switch. **■CONTROLS:** Input Attenuator, Input level control, Direct level control, Effect level control, Total level control, Tune (±50 cents), Mode keys (×4), Chorus key, Unison key, Write switch, Write key,

Program key, Parameter key, Bank hold key, Number keys (1-8), Edit control, UP key, DOWN key, Power switch, HIGH/LOW switch (Output level switch). **■INDICATORS:** Input level indicator, MIDI indicator, Program number display, Parameter number display, Value display. **■CONTROL INPUTS:** Freeze (⊥GND), Portamento (⊥GND), MIDI (IN/OUT/THRU) **■POWER SUPPLY VOLTAGE:** Local voltage **■POWER CONSUMPTION:** 30W **■WEIGHT:** 6.3 kg (not including rack mount adaptors) **■DIMENSIONS:** 429.5 (W) × 412.5 (D) × 90 (H) mm (not including rack mount adaptors) **■ACCESSORIES:** Rack-mount adaptors, AC cord, SYNC/MIDI cable (3m)

EXPLANATION OF REAR PANEL
① OUTPUT: Comes with LOW-HIGH, MIX and DIRECT.
② CONTROL: Comes with portamento and freeze.
③ MIDI: Comes with IN, OUT and THRU.

OPTIONS ■MEMORY EXPANDER MEX-8000 ■HEADSET KH-V10 ■PEDAL SWITCH PS-1 ■DUAL FOOT SWITCH S-2 ■2U RACK CASE ■SYNC/MIDI CABLE (1.5m/3m/5m) ■SYNC/MIDI CABLE SET (1m/0.5m)
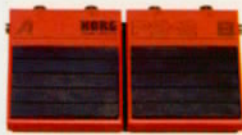
PS-1
PEDAL SWITCH

KVP-001 for guitar
VOLUME PEDAL

1U RACKCASE HC-1U
(541W×60D×455Hmm)

PS-2
PEDAL SWITCH

KVP-002 for Keyboard
VOLUME PEDAL

2U RACKCASE HC-2U
(548W×108D×504Hmm)

KH-1000
DANAMIC STEREO HEADPHONES

PATCH CORD SET
A:SET (25cm×5) + (35cm×3) + (50cm×2)
B:SET (1m×5) + (2m×2)
C:SET (35cm×2) + (50cm×3) + (70cm×5)

NUMBER CORD
(3m/5m/7m)

SYNC/MIDI CABLE
(1.5m/3m/5m)

SYNC/MIDI CABLE SET
(1m+0.5m)

STEREO CONNECTION CORD

*Specifications and features are subject to change without notice for further improvement.
Color reproduction in printed materials may differ from actual product appearance.

KORG

KORG INC. 15-12, Shimotakaido 1-Chome, Suginami-Ku, Tokyo Japan.