

# KORG

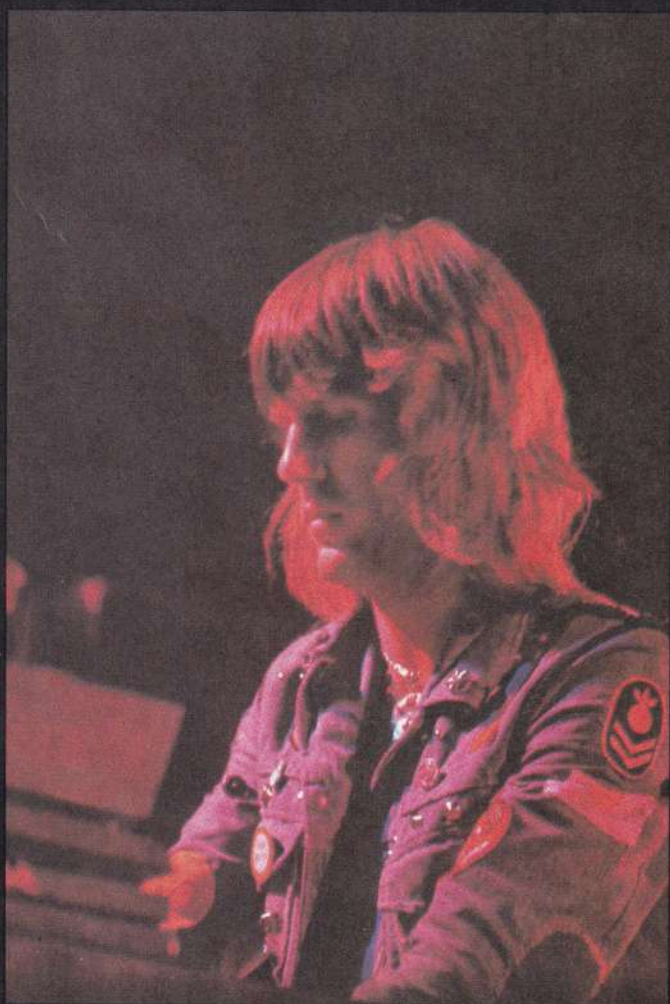
CATALOGUE Vol.4

# ELECTRONIC MUSICAL INSTRUMENTS



Sound  
Revolution  
**KORG**





September 1978, in Nassau,  
I record with the KORG Poly



the Bahamas—  
phonic Synthesizer PS-3300, PS-3100, and Vocoder VC-10.....

*Keith Emerson*



# PS-3300

POLYPHONIC SYNTHESIZER

\* The keyboard (PS-3010) is optional.



The world's first integrated 3-system completely polyphonic synthesizer — The peak of the PS-series.

Each of the three source modules is equipped with 48 synthesizer circuits for a total of 144. The sophisticated mixing module gives you complete and highly flexible control over all three systems to make this synthesizer the peak of Korg's amazing PS-series. With independent VCO's, VCF's, VCA's, and EG's for each note on the keyboard, you can get exactly the effect you want. Separately adjustable tuning from C to B lets you go beyond equal

temperaments and use other scales like mean tone and just intonation. Using the mixing modules general envelope generator, sample and hold, and other total modulation modules, you can patch the SG, DLPF, EM, and RESO modules for glides, polyphonic glissandos, and other exciting effects. Keith Emerson of E.L.P. started using the PS-3300 in 1978 for studio recording. Featuring highly stable VCO circuitry, excellent sound quality, and

operating convenience, the PS-3300 is receiving wide attention from top musicians around the world.

## SPECIFICATIONS

UNITS x 3 • SYNTHESIZER: Temperament Adjust x 12, Waveform (△, ▽, □, ○, ◇, ☆, etc.), PWM Intensity, Fine Tuning (±100 Cents), Coarse Tuning (±½ OCT), Scale (16', 8', 4', 2'), FM Reverse Switch, FM Switch, Internal FM Intensity, External FM Intensity, FM Input, PWM Input • DYNAMIC LOW-PASS FILTERS: Cut-off Frequency, Peak, Keyboard Filter Balance, Expand, FcM Switch, Internal FcM Intensity, External FcM Intensity, FcM Input • ENVELOPE MODIFIERS: Attack Time, Decay Time, Sustain Level, Release Switch, Hold Switch, A.T Control Input, R.S Input • SIGNAL MODIFIERS: Resonator Intensity, Peak Frequency x 3, MG-2 FoM Switch, FoM Input, AM Intensity, AM Switch, Keyboard Volume Balance, Signal Output • MODULATION GENERATOR-1: Waveform (△, ▽, □, ○, ◇, ☆, etc.), Frequency (0.1 Hz~1 kHz), Frequency Control Input, MG-1 Level Control

Input, MG-1 Output • MODULATION GENERATOR-2 (△): Frequency (0.3 Hz~10 Hz), MG-2 Output • MIXING UNIT x 1 • SIGNAL MIXER: Signal Switches x 3, Mixer Volume x 3, Total Volume, Headphone Volume, Signal Switch Input, Mixer Input, Independent VCA Control Input, Total VCA Out, Headphone Output • JUNCTIONS (4 x 2) • SAMPLE & HOLD: Clock Frequency, 2 • SAMPLE AND HOLD: Clock Frequency, Synchro Switch, Sampling Signal Input, S/H Output • GENERAL ENVELOPE GENERATOR: Delay Time, Attack Time, Release Time, Auto Switch, Trigger Inputs x 2, GEG Outputs x 3 (▽, △, □, ○, ◇, ☆) • VOLTAGE PROCESSORS x 2: Limiter A x 2, Limiter B x 2, Voltage Inputs x 2, Controller Inputs x 2, VP Outputs x 2, VP-2 Input Switch • IMPEDANCE (Inputs): Digital Inputs 1 kΩ, Analog Inputs 10 kΩ • IMPEDANCE (Outputs): Modulation Signal Outputs 1 kΩ, Signal Outputs 2.5 kΩ, Headphone Output 200 Ω • OTHERS: Power Switch, Power

Lamp, 60P Connector, AC Voltage Selector (100V, 117V, 220V, 240V) • DIMENSIONS: 1010(W) x 475(H) x 365(D)mm • WEIGHT: 36 kg • ACCESSORIES: Patch Cords = 25cm x 2, 35cm x 2, 50cm x 2, Connection Cord, AC Cord = 3m x 1 • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (75W)





# PS-3200

PROGRAMMABLE  
POLYPHONIC SYNTHESIZER

\* The keyboard (PS-3010) is optional.



Memorizes the tone color you want — the perfect completely polyphonic synthesizer for live performance.

This programmable polyphonic synthesizer has built-in microprocessor circuitry that lets it memorize the tone colors you synthesize on the control panel. Including all the capabilities of Korg's amazing PS-3100, the settings of all 32 control knobs and switches are accurately memorized. And they stay memorized even when you turn off the power. Unlike other units, you can quickly override the memory by just pulling out any of the 32 control knobs for temporary readjustment.

For the multi-keyboard artist this means a new level of expressive freedom. Since you can cancel the memory and alter the tone color at any time, you no longer need to be burdened with several keyboards at once. In fact, the PS-3200 has such enormous flexibility that it can take the place of 16 ordinary polyphonic keyboard units in a live performance situation. To give you the capability to synthesize even more complex effects, we have added to the PS-3100's group

of modules a completely independent extra SG section, a 7-element equalizer for final control of tone color, and a modulation balance module that lets you mix the cyclic changes of the modulation generator with the stepped changes of the sample and hold, and simultaneously modulate the oscillator frequency and tone color. All this makes the PS-3200 a strikingly flexible and easy-to-play unit that realizes its full potential under the most demanding live performance conditions.

**SPECIFICATIONS**      **«SYNTHESIZER UNIT»** • **SIGNAL GENERATORS-1:** Temperament Adjust x 12, Waveform ( ^, v, ~, PWM, PW), Scale (16', 8', 4', 2'), Scale Modulation Input, PWM Input • **SIGNAL GENERATORS-2:** Temperament Adjust x 12, Waveform ( ^, v, ~, PWM, PW, OFF), Scale (16', 8', 4', 2'), Fine Tuning (±100 Cents), External FM Intensity, FM Input, Scale Modulation Input, PWM Input • **SG-1+2 TOTAL CONTROL:** Total Tuning (±100 Cents), PWM Speed, PWM Intensity, Internal FM Intensity, External FM Switch, External FM Reverse Switch, External FM Intensity, FM Input • **DYNAMIC LOW-PASS FILTERS:** Cut-off Frequency, Peak, Keyboard Filter Balance, Expand, Internal FcM Intensity, External FcM Switch, External FcM Intensity, FcM Input • **ENVELOPE MODIFIERS:** Attack Time, Decay Time, Sustain Level, Release Time, A.T Control Input, Release Switch Input • **EQUALIZER** (125, 250, 500, 1 k, 2 k, 4 k,

8 k/Hz) • **TOTAL SIGNAL MODIFIERS:** Keyboard Volume Balance, AM Intensity (0~200%), Ensemble Depth, Preset Volume, VCA-1 Control Input, VCA-2 Control Switch • **SAMPLE & HOLD:** Clock Frequency, Synchro Switch, Clock Indicator, S/H Input, S/H Output, Trigger Input, Clock Output • **MODULATION GENERATOR-1:** Waveform ( ^, v, ~, [J], Pink Noise, White Noise), Frequency, Frequency Indicator, Frequency Control Input, MG-1 Output • **MODULATION VCA:** Modulation Balance (S/H~MG-1), VCA Control Input • **MODULATION GENERATORS-2** ( ^, v ) : Frequency, Frequency Indicator, MG-2 Output • **GENERAL ENVELOPE GENERATOR:** Delay Time, Attack Time, Release Time, Auto Switch, Trigger Inputs x 2, Envelope Outputs x 3 • **VOLTAGE PROCESSERSx2:** Limiter A, Limiter B, VP-2 Input Selector, Voltage Inputs x 2, Controller Inputs x 2 VP Output • **ADDING AMPLIFIERS:** Level-1, 2, Input-1, 2, A.A Output, A.A Reverse

Output • **VOLUME:** Direct, Headphone, Final • **SIGNAL OUTPUT:** Direct, Headphone, Final • **JUNCTIONS:** (3 x 2) • **«PROGRAMMER UNITS»** • **PROGRAM:** 1~16, Cancel/Set, Write, Memory Protection Switch, Battery Indicator, Backup Battery Case • **REMOTE CONTROL:** Program Select, Remote Jacks x 8, 60P Jack • **IMPEDANCE** (Input): Digital Input 1 kΩ, Analog Input 10 kΩ • **IMPEDANCE** (Output): Modulation Signal Output 1 kΩ, Signal Output 2.5 kΩ, Headphone Output 200 Ω • **OTHERS:** 60P Jack (Keyboard), Power Switch, Lamp, Power Connector, Power Selector (100V, 117V, 220V 240V) • **DIMENSIONS:** 920(W) x 445(H) x 345(D) mm • **WEIGHT:** 30 kg • **ACCESSORIES:** Patch Cords = 50 cm x 4, 1 m x 2, Connection Cord, AC Cord = 3 m x 1 • **POWER CONSUMPTION:** Voltage (Local Voltage, 50/60 Hz), Memory Protection = Dry Battery (AM-3 x 2, 3V), Wattage (75 W)



# PS-3100



The most completely equipped single-system polyphonic synthesizer designed for high playability and flexible control.

The PS-3100 has a built-in VCO, VCF, VCA, and EG for each of the keys on the keyboard for a grand total of 48 synthesizer circuits. A wealth of versatile controls for complete polyphonic synthesis is arranged with optimum playability in mind.

The PS-3100 gives you the freedom to create any kind of sound you want, from polyphonic plucked strings, to the crash of cymbals, to the majesty of a pipe organ.

Provided with an easy-to-follow flow-

chart, the large patch panel lets you go beyond the internal connections and synthesize a truly infinite variety of sounds. Use the amplitude modulator for effects including tremolo and ring modulation. The ensemble switch gives an added richness to strings and voices. Three resonators make for more realistic, more flexible tone color control. Although you may find similar modules available as add-on units for other synthesizers, only the PS-3100 gives you everything integrated into one

logically organized system.

For live performance, you'll be glad to have the built-in control wheel and momentary switch. And it's easy to patch other external control units since every module of the PS-3100 is subject to voltage control.

As the most definitive polyphonic synthesizer built on Korg's original technology, the PS-3100 is receiving high praise from the world's leading musicians.

**SPECIFICATIONS**      ≪ CONTROL SECTION ≫ ● KEYBOARD: F~E 48 Keys  
● SIGNAL GENERATORS: Waveform (△, ▽, □, ∟, ⊔, ⊞), PWM Intensity, Fine Tuning ( $\pm 100$  Cents), Coarse Tuning ( $\pm \frac{1}{2}$  OCT), Scale (16', 8', 4', 2'), FM Switch, FM Reverse Switch, Internal FM Intensity, External FM Intensity ● DYNAMIC LOW-PASS FILTERS: Cut-off Frequency, Peak, Keyboard Filter Balance, Expand, FcM Switch, Internal FcM Intensity, External FcM Intensity ● ENVELOPE MODIFIERS: Attack Time, Decay Time, Sustain Level, Release Switch, Hold Switch ● RESONATORS: Resonance Intensity, Peak Frequency x 3  
● TOTAL SIGNAL MODIFIERS: AM Intensity, Ensemble Switch, VCA-1 Modulation Switch, VCA-2 Modulation Switch, Keyboard Volume Balance, Final Volume ● MODULATION GENERATOR-1: Waveform (△, ▽, ∟, ⊔, ⊞ - Pink Noise, White Noise), Frequency

(0.1 Hz ~ 1 kHz) • MODULATION GENERATOR-2 (  $\wedge$  ): Frequency (0.3 Hz ~ 10 Hz) • SAMPLE & HOLD: Clock Frequency, Synchro Switch • GENERAL ENVELOPE GENERATOR: Keyboard Trigger Select, Delay Time, Attack Time, Release Time, Auto Switch, Reverse Switch • VOLTAGE PROCESSERS x 2: Limiter A x 2, Limiter B x 2 • MANUAL CONTROLLERS: Control Wheel, Momentary Switch • OTHERS: Headphone Volume, Direct Volume  $\langle$  PATCHING SECTION  $\rangle$  • SELECT SWITCH: Modulation VCA Input Select Switch, VP-1 Input Select Switch • INPUTS: SG (FM Input, PWM Input), DLFP (Cut-off Frequency Input), EM (A.T Control Input, Release Switch Input), VCA-1 (Control Input), VCA-2 (Control Input), MVCA (Control Input), S/H (Signal Input), MG-1 (Frequency Control Input), GEG (Trigger x 2), VP-1, VP-2 (Voltage Inputs x 2, Controller Inputs

x 2) • **OUTPUTS:** MG-1 Output x 1, S/H Output x 1, MG-2 Output x 1, GEG Outputs x 2, Trigger Outputs x 2 (Single, Multiple), VP-1 Output x 1, VP-2 Output x 1, Control Wheel Output x 1, Momentary Switch Output x 1, Signal Outputs x 3 (Final, Direct, Headphone) • **JUNCTIONS:** (4 x 1) • **IMPEDANCE (Input):** Digital Input 1k $\Omega$ , Analog Input 10k $\Omega$  • **IMPEDANCE (Output):** Modulation Signal Output 1k $\Omega$ , Control Wheel Output 2.5k $\Omega$  • **SIGNAL OUTPUT IMPEDANCE:** Final Output 2.5k $\Omega$  (2Vp-p), Direct Output 2.5k $\Omega$  (2Vp-p), Headphone Output 200 $\Omega$

**DIMENSIONS:** 820(W) x 360(H) x 528(D) mm • **WEIGHT:** 30kg • **ACCESSORIES:** Patch Cords = 25 cm x 2, 35 cm x 2, Connection Cord • **POWER CONSUMPTION:** Voltage (Local Voltage, 50/60Hz), Wattage (30W)



## PS-3010 POLYPHONIC KEYBOARD



Complete with multiple remote control capability.

A wide variety of switches and controls are located to the side of the keyboard for convenient access.

The X-Y manipulator "joy stick" gives you simultaneous yet independent control of two control voltages.

This precision polyphonic keyboard lets you bring out the full potential of the completely voltage controlled PS-series synthesizers.

**SPECIFICATIONS** • KEYBOARD: F~E, 48 Keys, 60P Jack, Connection Indicator • X-Y MANIPULATOR: Joy-Stick X Off-set, Y Off-set, X-Output, Y-Output • MOMENTARY SWITCH: Push Switch, Switch Output • MANUAL SWITCH: Slide Switches x 3, Switch Outputs x 3 • KEYBOARD TRIGGER: Keyboard Trigger Selector, Trigger Outputs (3 Modes) • DIMENSIONS: 1005(W) x 125(H) x 261(D)mm • WEIGHT: 7 kg • ACCESSORIES: Patch Cords = 1m x 1, 2m x 2, 60P Connection Cable (PS-3001) = 2m x 1



## PS-3060 PROGRAMMER REMOTE CONTROLLER ¥ 47,000



For remote control of the PS-3200 programmer.

The PS-3060 lets you select, by remote control, any of the tone color programs in the PS-3200 memory. There are also eight additional remote control jacks that let you use an X-Y

joy stick and other external units to control the modules in the main control panel of the PS-3200 via a 60P connection cable.

**SPECIFICATIONS** • Program select x 16, Cancel x 1 • Remote jacks x 8 • DIMENSIONS: 579(W) x 61(H) x 104(D)mm • WEIGHT: 2 kg • ACCESSORIES: 60P connection cable

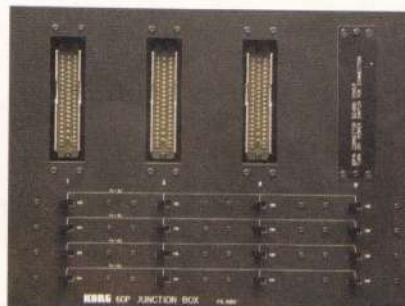
## PS-3040 DUAL FOOT CONTROLLER



Ideal for live performance.

**SPECIFICATIONS** • CONTROL PEDAL x 2: Control Outputs (+5V~-5V) x 2 • FOOT SWITCHES x 2: ON Switches x 2, OFF Switches x 2 • DIMENSIONS: 255(W) x 79(H) x 270(D)mm • WEIGHT: 3.3 kg • ACCESSORIES: DIN Cord = 3m x 2, Connecting Cord = 3m x 2

## PS-3050 60P JUNCTION BOX



Designed for 60P connectors.

**SPECIFICATIONS** • 60P JUNCTION x 4 • KEYBOARD SELECT SWITCHES: F1~E1 x 4, F2~E2 x 4, F3~E3 x 4, F4~E4 x 4 • DIMENSIONS: 320(W) x 82(H) x 240(D)mm • WEIGHT: 2.7 kg

## PS-3001 60P CORD



Locking 60P connection cable.

**SPECIFICATIONS** • 60P CONNECTION CABLE: Connection Lock



# VC-10

VOCODER

Original Korg technology

- Meter for monitoring mike input and simulator input signals.
- Microphone level control
- Switch for signal supplied to meter
- Level control for external signal input when not using built-in keyboard
- Octave switch for raising or lowering keyboard range. Helps differentiate male and female vocals.
- Balance control for mixing noise signal with keyboard signals—good for realistic sibilants ("S" sounds) and whispering effects.
- Ensemble switch for added chorus effects
- Pitch bend depth control gives realistic accent to mike signal
- Vibrato speed control
- Vibrato depth control
- For external voltage control (via MS-01, etc.) of pitch bend depth
- For convenient pitch control of keyboard signal



• OPTIONAL EQUIPMENT: Microphone (MC-01)



## Your voice turns into male voices become

The vocoder was originally developed as an academic tool for analysing and recreating human speech. But on this device, even simple vowel variation took time to synthesize.

Then, in April 1978, Korg unveiled the VC-10, the first vocoding musical instrument that was practical for use on the live stage. Much easier to operate than a synthesizer, anyone can use the VC-10 on the very first try. Just talk into the microphone while playing the keyboard and you'll hear polyphonic music with the unique characteristics of your voice.



7 presents the ideal live performance vocoder.



• Special BTS connector for MC-01 microphone

• 2-P phone jack microphone input

• Balance control for mixing simulated and direct signals.

• Input jack for external signal source (electric guitar, etc.) when not using built-in keyboard or noise signals.

• Input jack for remote voltage control (via MS-01, etc.) of keyboard pitch.

a chorus;  
female vocals — with polyphonic chorus keyboard.

A Wide range of controls lets you mix the "dry" microphone sound with the simulated sound, add vibrato, and even use the octave switch to change a male voice into a female chorus effect. Instead of playing the keyboard, it's also easy to take any other kind of audio signal (synthesizer, electric guitar, tape recorder, etc.) and make it talk. This is unquestionably the most unique and exciting new instrument in years.

**SPECIFICATIONS** «CONTROL SECTION» • KEYBOARD: F~C 32 Keys OCT Switch (Normal = 16', Up = 8'), Pitch Volume ( $\pm 100$  Cents), Accent Bend, Vibrato Speed, Vibrato Depth, External FM Intensity, Pitch Control Wheel ( $\pm \frac{1}{2}$  OCT) • SIGNAL MIXER: Input Signal Balance (Keyboard/Noise), External Signal Level • FREQUENCY RESPONSE SIMULATOR: Microphone Level • METER: VU Meter, Meter Select Switch (Mixer/Microphone) • FINAL CONTROL: Ensemble, Power Switch/Final Volume, Output Balance (Simulator/Microphone), Headphone Level • INPUTS: Microphone Inputs x 2 (BTS Connector 2P Phone) • EXTERNAL INPUTS: Signal Input (3Vp-p MAX), Pitch Control Input ( $\frac{1}{3}$  OCT/V,  $-3 \sim +3$ V) • OUTPUTS: Final, Headphone • DIMEN-

SIONS: 499(W) x 249(H) x 309(D)mm • WEIGHT: 7 kg • ACCESSORIE: Connection Cord • POWER CONSUMPTION: Voltage (Local Voltage 50/60 Hz), Wattage (20W)

#### • Korg Microphone MC-01

The microphone you use greatly effects the sound quality you get from the VC-10. The MC-01 is a super cardioid microphone designed to suppress ambient noise while picking up your voice clearly. Dynamic configuration gives crisp sound quality and long lasting reliability. Besides the MC-01, close vocal mikes (SHURE SM-10, for example) can also be used with good results.



# MS-10

MONOPHONIC SYNTHESIZER



Basic full capability monophonic synthesizer with patch panel for unlimited creativity.

The world's first control-type synthesizer to employ a full patching system. The conveniently arranged front panel is divided into an internally connected control section on the left, and a patch panel on the right that lets you change the signal flow as you like.

Designed for complex performance capability, the MS-10 is also equipped with a programmable control wheel to give you free control of tone color, pitch, or any other effect, while playing the keyboard.

**SPECIFICATIONS** **«CONTROL SECTION»** • KEYBOARD: F~C 32 Keys • VCO: Scale (32', 16', 8', 4'), Waveform (△, ▽, PW/PWM, Noise), PW/PWM Intensity Control, Pitch, Portamento, FM Control x 2 • VCF: Cut-off Frequency, Peak, FcM Control x 2 • EG: H.A.D.S.R • MG: Waveform (△, ▽, △-▽, ▽-△, Continuous Control), Frequency • EXT. SIGNAL INPUT: Signal Level • MANUAL CONTROLLER: Control Wheel • POWER SWITCH/VOLUME **«PATCH PANEL SECTION»** • KEYBOARD: Keyboard CV Output (Hz/V, 0~+8V), Trigger Output (1.0V) • VCO: VCO CV Input (Hz/V, 0~+8V), FM Input (OCT/V, -3~+3V), PWM Input (-5~+5V) • VCF: Signal Input (3Vp-p MAX), FcM Input (2OCT/V, -5~+5V) • VCA: Initial Gain Input (0~+5V) • EG: Trigger Input (1.0V), Envelope Reverse Output (1.0V) • MG: Triangle Output (△-▽-△ = 5Vp-p), Rectangle Output (▽-△-▽ = 0~+5V) • NG: Outputs x 2 (Pink, White, 5Vp-p) • MANUAL CONTROLLER: Control Wheel Output (-5~0~+5V) • SIGNAL OUTPUT (2Vp-p MAX) • DIMENSIONS: 499(W) x 249(H) x 309(D)mm • WEIGHT: 6.3 kg • ACCESSORIES: Patch Cord = 35cm x 1, Connection Cord • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (5W)

# MS-20

MONOPHONIC SYNTHESIZER



Two of each synthesizer module, plus ESP for external instrument controlled synthesis.

Two VCO's, two VCF's, two VCA's, and two EG's—but that's just the beginning. The MS-20 is so advanced that it features a built-in External Signal Processor (ESP) which lets you "play" the synthesizer using an electric guitar, bass, microphone, or any other external instrument.

The front panel is divided into a ration-

ally laid out control section and a large patch panel for free creative control of signal paths and module functions. Located right by the keyboard, the programmable control wheel and momentary switch can be patched for quick variation of any synthesizer modules.

**SPECIFICATIONS** **«CONTROL SECTION»** • KEYBOARD: C~C 37 Keys • VCO-1: Scale (32', 16', 8', 4'), Waveform (△, ▽, PW, White Noise) • VCO-2: Scale (16', 8', 4', 2'), Waveform (△, ▽, △-▽, Ring Modulator), Pitch • VCO MASTER CONTROL: Total Pitch, Portamento, FM Control x 2 • VCO MIXER: VCO-1 Level, VCO-2 Level • VCF x 2 (LP & HP): Cut-off Frequency, Peak, FcM Control x 2 • EG x 2: D.A.R, H.A.D.S.R • MG: Waveform (△-▽-△, Continuous Control), Frequency • MANUAL CONTROLLER: Control Wheel, Momentary Switch **«SIGNAL PROCESSOR SECTION»** • CONTROL SECTION: Input Signal Level, Low Cut Frequency, High Cut Frequency, CV Control, Threshold • INPUT & OUTPUT: Signal Input, Amplifier Output, B.P.F Output, CV Output (0~+8V), E.F Output (0~+5V), Trigger Output (1.0V) • INDICATOR: Peak, Trigger **«PATCH PANEL SECTION»** • KEYBOARD: Output (Hz/V, 0~+8V), Trigger Output (1.0V), VCO-1,2 CV Input (Hz/V, 0~+8V), VCO-2 CV Input (Hz/V, 0~+8V) • VCO-1+2 FM Input (OCT/V, -3~+3V) • VCF: Signal Input (3Vp-p MAX), FcM Inputs x 2 (2OCT/V, -5~+5V) • VCO+VCF: Control Input (-5~+5V) • VCA: Initial Gain Control Input (0~+5V) • EG: EG-1 Outputs x 2 (-5~0V, +5~0V), EG-1+2 Trigger Input (1.0V), EG-1 Trigger Input (1.0V), EG-2 Output (1.0V) • MG: Triangle Output (△-▽-△ = 5Vp-p), Rectangle Output (▽-△-▽ = 0~+5V) • NG: Outputs x 2 (Pink, White, 5Vp-p) • S/H: Clock Trigger Input (1.0V), Signal Input (5Vp-p), S/H Output (5Vp-p) • MANUAL CONTROLLER: Control Wheel Output (-5~0~+5V), Momentary Switch Output (1.0V) • SIGNAL OUTPUT (2Vp-p) • HEAD PHONE OUTPUT • DIMENSION: 569(W) x 249(H) x 309(D)mm • WEIGHT: 7.7 kg • ACCESSORIES: Patch Cord = 35cm x 2, Connection Cord • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (10W)



# MS-50

## MONOPHONIC SYNTHESIZER



The ultimate in custom synthesis —  
All modules are independent  
for full patching system creativity.

Each module (VCO, VCF, VCA, etc.) is independent from every other module so you can set up your own patches exactly the way you want. With the MS-50, the sounds you create are completely your own. Since there are no

arbitrary internal connections, you can explore the sphere of sound synthesis without restrictions.

As an incredibly flexible main unit for non-keyboard controlled synthesis, the MS-50 is unparalleled.

# SQ-10

## ANALOG SEQUENCER



Automatic control of synthesizer pitch,  
tone color, and timing.

Program this affordable analog sequencer for automatic variable control of pitch, tone color, timing, and so forth, in a maximum 24-step (24-note) sequence. Or you can use the SQ-10 as a memory bank to preset 12 different

tone colors for instant recall while playing the synthesizer.

For live multi-keyboard performance, you'll welcome the new freedom and added control you get with the SQ-10.

**SPECIFICATIONS** • VCO: Scale (32', 16', 8', 4'), Pitch ( $\pm 600$  Cents), PW/PWM, FM Intensity x 2, CV Inputs x 2 (Hz/V = 0 ~ +10V, OCT/V = -5 ~ +5V), FM Inputs x 2 (OCT/V, -5 ~ +5V), PWM Input (-5 ~ +5V), Outputs x 3 ( $\wedge$ ,  $\nabla$ , PW/PWM = 3Vp-p) • VCF: Cut-off Frequency, Peak, FcM Intensity, Signal Input (3Vp-p MAX), FcM Input (2OCT/V, -5 ~ +5V), Signal Output • VCA: Low Cut Filter, VCA Intensity, Signal Input (3Vp-p MAX), Signal Output Control Input (0 ~ +5V) • EG-1: A.D.S.R Trigger Input ( $\perp_{\text{sync}}$ ), Envelope Outputs x 3, Trigger Indicator • EG-2: H.D.A.R Trigger Input ( $\perp_{\text{sync}}$ ), Delay Trigger Output ( $\perp_{\text{sync}}$ ), Envelope Outputs x 2, Trigger Indicator • MG: Frequency, PW/PWM, FM Intensity, FM Input (OCT/V, -5 ~ +5V), PWM Input (-5 ~ +5V), Outputs x 3 ( $\wedge$ ,  $\nabla$ ,  $\perp$ , PW/PWM = 3Vp-p), Frequency Indicator • 3 CH. ADDING AMPLIFIER: Level x 3, Inputs x 3, Output • VOLTAGE SUPPLY: Voltage Control, Output (-5 ~ +5V) • INTEGRATOR: Time Constant Control, Input, Output • INVERTER: Input, Output • VCA: Signal Input (DC ~ AC), Control Input, Signal Output • RING MODULATOR (DC ~ AC): Inputs x 2, Output • VOLT METER: AC Input (Vp-p), DC Input (-5 ~ +5V) • S/H: Clock Frequency, S/H Input (-5 ~ +5V), Clock Input ( $\perp_{\text{sync}}$ ), Clock Output ( $\perp_{\text{sync}}$ ), S/H Output, Clock Indicator • NG: Outputs x 2 (Pink, White) • DIVIDER: Input ( $\perp_{\text{sync}}$ ),  $\div 2$  Output ( $\perp_{\text{sync}}$ ),  $\div 4$  Output ( $\perp_{\text{sync}}$ ) • TRIGGER SWITCH: Push Button, Trigger Output ( $\perp_{\text{sync}}$ ) • AUDIO AMPLIFIER: Level Control, Input (3Vp-p MAX), EF Output (0 ~ +5V), Trigger Output ( $\perp_{\text{sync}}$ ), Amplifier Output • HEADPHONE AMPLIFIER: Level, Input (3Vp-p MAX) Output • JUNCTIONS: (3 x 4, 6 x 1) • DIMENSIONS: 570(W) x 248(H) x 167(D)mm • WEIGHT: 6.2kg • ACCESSORIES: Patch Cords = 25cm x 4, 35cm x 4, 50cm x 1, 1m x 2, Connection Cord • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (20W)

**SPECIFICATIONS** • VOLTAGE CONTROLLED CLOCK GENERATOR: Speed Control • SEQUENCE MODE:  $\curvearrowright$   $\curvearrowleft$   $\rightarrow$  x = 12 Steps x 3,  $\times$   $\times$   $\times$  = 24 Steps x 1 + 12 Steps • Switch: Start/Stop  $\rightarrow$  (Automatic), Step  $\rightarrow$  (Manual) • PORTAMENTO: Portamento Channel A.B • TRIGGER DUTY:  $\perp$   $\sim$   $\perp$  (Multiple Trigger) • SEQUENCE CONTROL: Channel A.B.C (1 ~ 12), Trigger Output (1 ~ 12), LED (1 ~ 12) • SEQUENCE VOLTAGE OUTPUT: Channel A.B (-5 ~ +5V/-1 ~ +1V), Channel C (0 ~ +5V) • MULTIPLE TRIGGER OUTPUT:  $\perp$  +5V • RESET INPUT:  $\perp_{\text{sync}}$  • EXTERNAL CHANNEL: Step ( $\perp_{\text{sync}}$ ), Start/Stop ( $\perp_{\text{sync}}$ ), Clock Speed x 3 (Hz/V, x2/V,  $\div 2$ /V) Hz/V, 0 ~ +5V • ANALOG MIXER: Input 1+2 = Output • POWER SWITCH • DIMENSIONS: 499(W) x 249(H) x 170(D)mm • WEIGHT: 5.1kg • ACCESSORIES: Patch Cords 35cm x 1, 50cm x 1, 1m x 1 • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (5.4W)



# MS-03

## SIGNAL PROCESSOR



Allows any instrument to "play" a synthesizer.

This signal processor converts any audio signal input into a synthesizer control signal. Put together a guitar or vocal synthesizer instantly by connecting the MS-03 between your guitar or mike and any synthesizer with CV and trigger inputs. No alterations are needed; just by plugging into the MS-03 and adjusting the controls, your instrument can actually "play" the synthesizer. When performing live, connect a foot switch for portamento, pitch hold, and other useful effects.

**SPECIFICATIONS** • INSTRUMENT INPUT: Level Control, Peak Level Indicator, Range (High/Low), Mode (1.2.3), Signal Input • PORTAMENTO: Time Control, Remote Switch Input • PROCESSOR Outputs: Frequency, Width, Trigger Indicator, CV OUT Hz/V Adjust, ( $\pm 15V$ ), Envelope Output, Direct Output, CV Hold Remote Input, CV & Trigger Hold Remote Input, Cancel Remote Input • OTHERS: Power Switch, Pilot Lamp • DIMENSIONS: 283(W) x 110(H) x 195(D)mm • WEIGHT: 2.4kg • ACCESSORIES: Foot Switch(s) • POWER CONSUMPTION: Voltage (Local Voltage 50/60Hz), Wattage (4W)

# MS-02

## INTERFACE



For complete connection compatibility between synthesizers.

The MS-02 is ideal if you want to upgrade your synthesizer by adding on other synthesizer units having different kinds of keyboard control voltage and trigger signals. The built-in, fully adjustable log amp, anti-log amp, and trigger processors ensure complete system flexibility and compatibility between any presently available voltage controlled synthesizers.

**SPECIFICATIONS** • LOG AMPLIFIER: Tuning, Width, Hz/V Input ( $0 \sim +15V$ ), OCT/V Output ( $-12 \sim +12V$ ) • ANTILOG AMPLIFIER: Tuning Width, OCT/V Input ( $-4 \sim +4V$ ), Hz/V Output ( $-12 \sim +12V$ ) • ADDING AMPLIFIER: Channel 1 Level Control, Channel 2 Level Control, Input Channel 1, Input Channel 2, Output • TRIGGER PROCESSORS x 2: Trigger Indicator, Reverse Switch, Input (VTH =  $+2.5V$ ), Output ( $0V \sim +15V$ ) • OTHERS: Power Switch, Pilot Lamp • JUNCTION: 4 x 2, 3 x 1 • DIMENSIONS: 283(W) x 110(H) x 195(D) mm • WEIGHT: 2.2 kg • POWER CONSUMPTION: Voltage (Local Voltage 50/60 Hz), Wattage (5W)

# MS-01

## FOOT CONTROLLER



The universal foot controller for live performance.

Equipped with a voltage processor to provide control voltages for all synthesizer modules. Plus, the built-in attenuator is perfect for volume and vibrato depth variation while performing.

**SPECIFICATIONS** • VOLTAGE PROCESSOR: Outputs x 2 ( $0 \sim +4V$ ,  $0 \sim -4V$ ) • ATTENUATOR: Input x 1, Output x 1 ( $0 \sim 100\%$ ) • DIMENSIONS: 100(W) x 60(H) x 250(D)mm • WEIGHT: 0.9 kg • POWER CONSUMPTION: Dry Battery (006P x 1.9V)







**KORG**  $\Sigma$ 

Sigma PERFORMING SYNTHESIZER



This live performance synthesizer is capable of producing 524,287 different tone colors by instantaneous tablet switching alone.

Sigma is a completely new type of instrument that lets you escape from the restrictions imposed by any other synthesizers you may have used. With nineteen preset tablet switches, including eleven instrument tabs and eight synthesizer tabs, you can mix together as many sounds as you like for exciting freedom in creating new effects. For example, on what other instrument could you instantly mix together an electric bass, a trumpet, and then put a sample-and-hold synthesizer effect on top of it? It's this kind of completely free creative flexibility that adds up to a total of 524,287 different timbres at your fingertips! There's more: Above each tablet is a control knob that lets you adjust the most important parameter of that sound. And for real versatility when performing live, you have two joy sticks, a keyboard sensor, and amazing quarter-tone capability. This no-holds-barred playability makes Sigma a truly revolutionary musical instrument that is perfect for the demands of live performance applications.

## SPECIFICATION

## «TABLET SECTION»

## • SYNTH

ENVELOPE	WAVEFORM	SCALE	CONTROL
• Ring Mod	SYNTH x INSTRUMENT		VCO Pitch
•			Attack/Release
•		32'	Attack/Release
•		16'	Clock Speed
•		16'	Attack/Release
•		8'	Attack/Release
•		8'	Decay
•		8'	Attack/Release
•		4'	Decay

## • INSTRUMENT

	SCALE	CONTROL
• Electric Bass	32'	Cut-off Freq.
• Tuba	32'	Cut-off Freq.
• Clavi	16'	Pulse Width
• Fuzz Guitar	16'	Tone
• Horn	16'	Cut-off Freq.
• Trumpet	8'	Cut-off Freq.
• Clarinet	8'	Tone
• Double Reed	8'	Tone
• String	8'	Attack
• Flute	4'	Tone
• Hammered Percussion	4'	Decay

## • EFFECT

	CONTROL
• Octave Up	
• Octave Down	
• Portamento	
• Keyboard Sensor	
• Joy Stick SYNTH	
• Joy Stick INSTRUMENT	
• Delay Vibrato INSTRUMENT	
• Quarter Tone	
• Multiple Trigger	
• Key Hold	



«CONTROL SECTION» • KEYBOARD: C~C 37 Keys • JOY STICK (LEFT): Pitch Bend, Vibrato Depth/Noise Modulation Depth • JOY STICK (RIGHT): LPF Cut-off Frequency (SYNTH), HPF Cut-off Frequency (SYNTH) • KEYBOARD SENSOR CONTROL SWITCHES x 2: Pitch Bend Up/Vibrator Depth/Pitch Bend Down, INSTRUMENT/INSTRUMENT + SYNTH/SYNTH • BALANCE: SYNTH/INSTRUMENT • TOTAL TUNE:  $\pm 200$  Cents • SYNTH PITCH:  $\pm 700$  Cents • PORTAMENTO: MOMENTARY SWITCH • POWER & VOLUME «INPUT & OUTPUTS SECTION» • SIGNAL OUTPUTS: Mix/Synth (5Vp-p Max), Mix/Instrument (5Vp-p Max), Headphones Output • KEYBOARD OUTPUTS: CV Output (Hz/V, 0V~8V), TRIG Output (100%) • CONTROL INPUTS: VCO CV Input (Hz/V), EG TRIG Input (100%), VCO FM Input (OCT/V, -3V~+3V), Synth VCF FcM Input (2 OCT/V, -5V~+5V) • DIMENSIONS: 774(W) x 173(H) x 400(D) mm • WEIGHT: 11 kg • ACCESSORIES: Connection Cord x 1, Dust Cover x 1 • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (17W)



# M-500SP

PRESET SYNTHESIZER



With built-in amplifier and speaker.

Just press a tone color selector button and this preset unit instantly synthesizes your choice. You have a wide choice of 30 different sounds including trumpet, violin, flute, etc.

Discover different effects by pressing two or more buttons together. Other controls let you use the M-500SP as a control-type synthesizer for individual sound synthesis beyond the limits of the preset programs. The built-in amp and speaker are great for practising, and make this unit a natural choice for music education purposes.

**SPECIFICATIONS** • KEYBOARD: F~C 32 Keys • TONE COLOR SELECTORS x 30: Synthe-1 (2', 4', 8', 16', 32'), Synthe-2 (2', White Noise, 8', Pink Noise, 32'), Brass Trumpet 1, 2, 3, Trombone, Tube), String (Violin 1, 2, Viola, Cello, D.Bass), Wood (Recorder, Flute, Oboe, Clarinet, Bassoon), Voice (Whistle, Soprano, Alto, Tenor, Bass) • CONTROL: Pitch, Attack, Sustain, Portamento, Traveler, Modulation Rate, Depth, Power Switch/Volume • EFFECT SWITCHES x 3: Vibrato Mode, Repeat Mode, Portamento (On/Momentary) • OUTPUTS x 2: Line Level, Headphone • SPEAKER: 10cm x 1 • POWER AMPLIFIER: 1W • DIMENSIONS: 730(W) x 125(H) x 250(D)mm • WEIGHT: 5.1 kg • ACCESSORIES: Music



Rack, Connection Cord • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (6W)

# 770

MONOPHONIC SYNTHESIZER



Outstanding playability in a 2-VCO synthesizer.

Use the two VCO's to vary tone color with parallel thirds and fifths; synthesize bells, cymbals, and other percussion with the ring modulator. It's easy with this control-type synthesizer designed for live playability. You can even add effects like ring modulation and travel vibrato to electric guitar by using the external signal input jack.

**SPECIFICATIONS** • KEYBOARD: F~C 32 Keys • VCO-1: Scale (64', 32', 16', 8', 4', 2'), Waveform (△, □, ▽, ▭, ▮, External Signal), Pitch Control, Vibrato Switch (Normal/Off/Delay), Vibrato Depth, Vibrato Speed, Pitch Bend Switch (Up/Off/Down), Delay Time, Bend Speed, Portamento Switch (Fixed/Off/Control), Portamento Control • VCF x 2: Traveler (High Pass, Low Pass), Bright Selector, Expand Switches x 2 (LP+HP, Off/Normal/Reverse), FcM Switch • VCA+ ENVELOPE GENERATOR: Attack Time,

Singing Level, Range Selector, Sustain Selector, Envelope Mode Selector, Trigger Mode Selector • LFO: Speed Control (Repeat + FcM) • VCO-2: Coarse Tuning (16'~1'), Fine Tuning, Mode Selector (N, Ring 1, 2, Scale Noise, Pink Noise, White Noise) • TOTAL: Mixing Selector, Mixing Volume, Power Switch/Volume • DIMENSIONS: 560(W) x 195(H) x 340(D)mm • WEIGHT: 9 kg • ACCESSORIES: Connection Cord • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (15W)





# 800DV

DUAL VOICE SYNTHESIZER



## World's first complete 2-voice synthesizer.

The 800DV is the world's first dual voice synthesizer equipped with two complete monophonic synthesizer systems. Designed especially for live performance, this unit incorporates Korg's original traveler and VCO's having an effective frequency range of a 264-note keyboard.

Only the 800DV lets you synthesize two different kinds of tone colors and play them independently at the same time. The optional traveler pedal is convenient for tone color variation on the live stage.

**SPECIFICATIONS** • KEYBOARD: F~C 44 Keys • VCO x 2: Scale (64', 32', 16', 8', 4', 2'), Waveform (△, □, ▽, ▴, ▾, ▿, Pink Noise, White Noise), Coarse Tuning, Fine Tuning, Vibrato Switch (Normal/Off/Delay), Vibrato Depth, Vibrato Speed, Pitch Bend Switch (Up/Off/Down), Delay Time, Bend Speed, Portamento Switch (Fixed/Off/Control), Portamento Control • SUB OSC x 2: Scale (32', 16', 8', 4', 2'), Ring, Mixing Control • VCF x 4: Traveler (High Pass, Low Pass), Bright Selector, Expand Selector • VCA x 2 + ENVELOPE GENERATOR x 2: Attack Time, Singing Level, Range Selector, Mode Selector • LFO x 2: PWM + Vibrato • ENVELOPE GENERATOR x 2: Pitch Bend • REPEAT: Mode Selector, Speed, Duty • KEY TRANSPOSE: Selector x 2 • VOLUME: Upper, Lower • POWER SWITCH • INPUTS x 4: External Traveler Control x 2 (DIN Jack), Accessories x 2 • OUTPUTS x 4:

Accessories x 2, Upper, Lower • DIMENSIONS: 803(W) x 160(H) x 430(D)mm • WEIGHT: 16.5 kg • ACCESSORIES: Music Rack, Connection Cord, Vinyl Cover • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (30 W)





# PE-2000

POLYPHONIC ENSEMBLE "ORCHESTRA"



## From Strings to Chorus Effects.

Delicate strings, dynamic brass, a solemn pipe organ, a warm chorus, . . . the sound of a full orchestra and more is yours with this polyphonic ensemble keyboard employing three independent oscillators to generate sustained sounds. This results in beautiful harmony un-

matched by externally similar units. Designed on the principle that using more sound sources gives richer tone color, the PE-2000 features group delay simulation of three sound sources for each key, to ensure very realistic results.

**SPECIFICATIONS** • KEYBOARD: F~E 48 Keys • PRESET: Pipe Organ 1, 2, Chorus 1, 2, Brass 1, 2, String 1, 2 • Control: Attack, Sustain, Bass, Treble, Pitch, Calibration Tuning • EFFECT: Phase Shifter, Etc. • DIMENSIONS: 800(W) x 208(H) x 495(D) mm • WEIGHT: 20 kg • ACCESSORIES: Expression Pedal, Connection Cord • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (30W) • CASE: Fixed

# PE-1000

POLYPHONIC ENSEMBLE



## Polyphonic Clavinet, Piano, and more at the touch of a button.

The seven presets for clavichord, harpsichord, piano, electric piano, etc., can be varied with the control buttons to give you expanded synthesis capability (for sitar, harp, etc.). Employing sixty independent oscillator circuits, the PE-1000 is a new type of keyboard featuring remarkably realistic synthesis of plucked and hammered string ef-

fects.

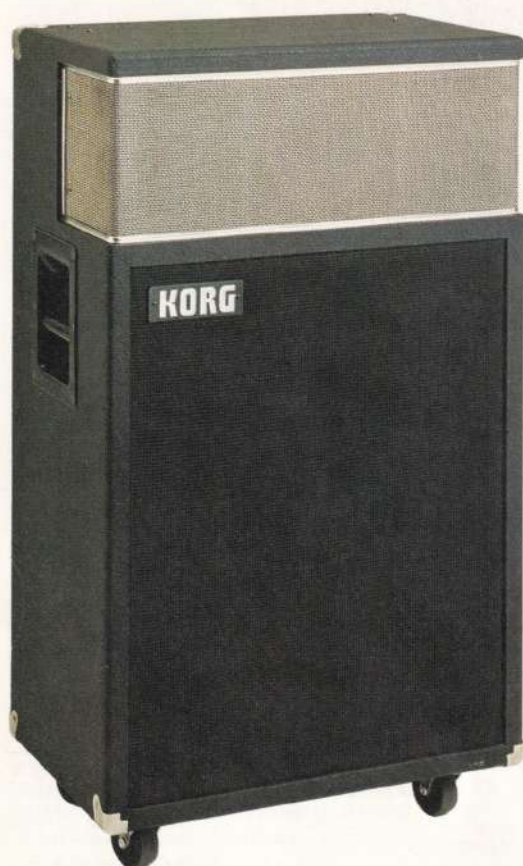
Thanks to a number of state-of-the-art innovations borrowed from Korg's PS-series, the PE-1000 can easily synthesize sounds not possible with conventional combo keyboards. Korg's unique traveler lets you vary the preset programs to suit every type of live performance demand.

**SPECIFICATIONS** • KEYBOARD: F~E 60 Keys • PRESET: Clavichord, Harpsichord, Piano, Electronic Piano, Brass, Pipe Organ, String • Control: Volume, Tuning, Traveler Control x 2, Peak H-L, Soft, Expand, Attack, Decay, Sustain, Waveform (□, ▭, ▮, ▴), Chorus, Etc. • DIMENSIONS: 942(W) x 212(H) x 372(D)mm • WEIGHT: 18.5 kg • ACCESSORIES: Traveler Pedal, Foot Switches (s) x 2, Connection Cord • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (15W) • CASE: Fixed



# KA-180

KEYBOARD AMPLIFIER



## 270W Maximum output and faithful response.

Korg developed this specialized amp for high fidelity reproduction across the entire keyboard frequency range. Boasting an incredible 32V p-p permissible input and huge 270W maximum output, this amp delivers distortion-free reproduction of all keyboard instruments.

The tuned enclosure optimizes the performance of the three 5-inch drivers and 15-inch woofer to provide exceptionally flat response and high sound pressure level.

**SPECIFICATIONS** • TYPE: Built-in Pre-main Amplifiers • POWER RATING: Average Output = 120W, Peak Output = 270W • SPEAKERS: 38cm x 1, 12cm x 3 • REVERBS: KORG Original Reverb Unit • FREQUENCY RANGE: Amplifier = 15 Hz~50,000 Hz, Speaker = 30 Hz~15,000 Hz • MAX INPUT VOLTAGE: 32Vp-p • SENSITIVITY: 50mV RMS (0.15Vp-p) • INPUT: 2 CHANNELS (100kΩ) • OUTPUTS: Parallel Output x 1, External Amplifier Output x 1, Line Output x 1 • DIMENSIONS: 565(W) x 1005(H) x 355(D)mm • WEIGHT: 45 kg • ACCESSORIES: Vinyl Cover, Foot Switch, Connection Cord • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (180W)







# V-C-F



For unique and varied effects.

This effects unit consists of the same type of VCF (voltage controlled filter) and envelope follower used in synthesizers. Just plug in an electric guitar, electric guitar, combo organ, etc, for flexible control of the upper harmonics that affect tone color. With Korg's V-C-F you can add synthesizer effects to any audio signal.

**SPECIFICATIONS** • TRAVELERS x 2: High Pass, Low Pass, Bright, Balance • EXPAND: Thresh Hold, Expand Depth • REMOTE SWITCH: Manual, Remote, Manual+Remote • OTHERS: Power Switch/Volume • INPUTS: Signal Input, Controller Input • OUTPUT: Signal Output • FOOT PEDALS: Pedal Control, Cancel Switch, Controller Output • DIMENSIONS: Main Unit = 245(W) x 80(H) x 137(D)mm, Pedal = 100(W) x 60(H) x 25(D)mm • WEIGHT: Main Unit = 2.5 kg, Pedal = 0.9 kg • ACCESSORIES: DIN Cord = 3m x 1 • POWER CONSUMPTION: Voltage (Local Voltage, 50/60 Hz), Wattage (4 W)

# Mr.MULTI



Multi-capability effects pedal.

Features phase shifter, wow, and double wow in a single foot pedal. Great for electric guitar and electric bass.

**SPECIFICATIONS** • MODE SELECTORS: Wow, D. Wow, Phase • CONTROL SELECTORS: Auto, Pedal • DIMENSIONS: 100(W) x 60(H) x 250(D)mm • WEIGHT: 0.9 kg • POWER CONSUMPTION: Dry Battery (006P x 1.9V)



# SE-500 STAGE ECHO



## SET-01

• SE Series Exchange Tape.



Outstanding S/N ratio, professional specs, and remote voltage control capability.

Against the rising tide of electronic echo units, Korg developed the SE-500 to optimize the advantages of the tape echo system.

This unit employs a large-scale DC direct-drive servo motor for striking rotational speed accuracy, and specially designed noise reduction circuitry to ensure a very high signal-to-noise ratio. Five playback heads give a variety of

effects from simulated reverb to a 1.5 second maximum long delay. With the SOS (sound on sound) feature, you can even double up on yourself and play on top of a whole passage. Controls including effect switches and tape speed are voltage controlled to allow remote control via outboard units or synthesizer.

**SPECIFICATIONS** • **INPUTS:** Cannon Connector, 2P Phone x 2 • **OUTPUTS:** Cannon Connector, 2P Phone x 2 (Direct/Echo Output, Echo Output) • **CONTROL Nob:** Input Volume x 2, Tone Control x 2 (Treble, Bass) Balance Control, Speed Control, Feedback Control • **CONTROL SWITCHES:** Head Selectors x 6, Input Level Switches x 2, Output Level Switch, Power Switch • **REMOTE CONTROL:** Effect Control, Feedback Control, Speed Control • **METER:** Input Level • **INDICATORS:** LED Peak Level Indicator, Head Indicators x 5 • **HEAD:** Recording, Playback x 5, Erase • **DIMENSIONS:** 420(W) x 170(H) x 335(D)mm • **WEIGHT:** 12.5 kg • **ACCESSORIES:** Connection Cord, Foot Switch (J), Exchange Tape (SET-01), Cleaner • **POWER CONSUMPTION:** Voltage (Local Voltage, 50/60 Hz), Wattage (40W)

# SE-300 STAGE ECHO



Echo with built-in reverb for varied effects.

This high performance echo unit features built-in reverb in addition to the basic capabilities of the SE-500.

A single "auto-pat" input impedance control knob conveniently handles all signal levels from mic to line. With the balance control system anyone can easily mix echo and reverb, and direct and processed signals, for optimum

sound quality and minimum noise. The reverb input balance control lets you adjust the relative amount of reverb applied to the direct and echo signals. That means you can add reverb to just one of those signals, or both. This advanced control capability offers many acoustic effects not obtainable with conventional echo machines.

**SPECIFICATIONS** • **INPUTS & OUTPUTS:** Inputs x 2, Outputs x 2 (Effect, Direct/Effect) • **CONTROL NOB:** Input Volume x 2, Tone Control x 2, Effect Balance, Output Balance, Input Balance, Feedback Control, Speedback Control • **CONTROL SWITCHES:** Head Selectors x 4, Output Level Switch, Effect Switch, Power Switch • **REMOTE CONTROL:** Effect Control • **INDICATORS:** LED Peak Level Indicator, LED Head Indicators x 3 • **HEAD:** Recording, Playback x 3, Erase • **DIMENSIONS:** 420(W) x 170(H) x 335(D)mm • **WEIGHT:** 12.5 kg • **ACCESSORIES:** Connection Cord, Foot Switch, Exchange Tape (SET-01), Cleaner • **POWER CONSUMPTION:** Voltage (Local Voltage 50/60 Hz), Wattage (40W)



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sound quality and minimum noise. The reverb input balance control lets you adjust the relative amount of reverb applied to the direct and echo signals. That means you can add reverb to just one of those signals, or both. This advanced control capability offers many acoustic effects not obtainable with conventional echo machines.

**SPECIFICATIONS** • **INPUTS & OUTPUTS:** Inputs x 2, Outputs x 2 (Effect, Direct/Effect) • **CONTROL NOB:** Input Volume x 2, Tone Control x 2, Effect Balance, Output Balance, Input Balance, Feedback Control, Speedback Control • **CONTROL SWITCHES:** Head Selectors x 4, Output Level Switch, Effect Switch, Power Switch • **REMOTE CONTROL:** Effect Control • **INDICATORS:** LED Peak Level Indicator, LED Head Indicators x 3 • **HEAD:** Recording, Playback x 3, Erase • **DIMENSIONS:** 420(W) x 170(H) x 335(D)mm • **WEIGHT:** 12.5 kg • **ACCESSORIES:** Connection Cord, Foot Switch, Exchange Tape (SET-01), Cleaner • **POWER CONSUMPTION:** Voltage (Local Voltage 50/60 Hz), Wattage (40W)



# EM-570

ECHO MIXER



Universal mixer with electronic echo for all inputs from microphone to phono.

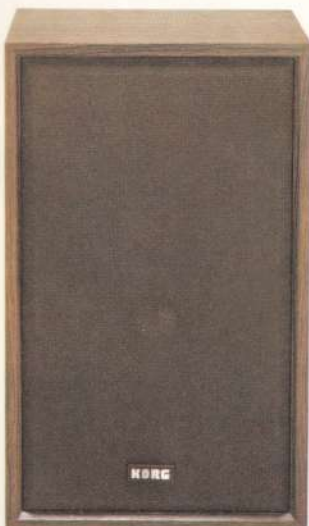
Use the EM-570 to mix up to five different audio inputs. Built-in EQ allows direct MM-type phono connection. With built-in echo circuitry you get impressive mixing results. All electronic system means there is no tape to change.

**SPECIFICATIONS** • **INPUTS:** Input Jacks x 4, Phono (Magnetic) x 1, BGM x 1, AUX x 2 • **OUTPUTS:** Speaker Outputs x 2, Line Output x 1 • **MIXER CONTROL:** Bass x 5, Treble x 5, Volume x 5, Echo Switches x 4, Channel 5 Input Selector Switch x 1, AUX-1 Input Level Selector Switch x 1 • **ECHO CONTROL:** Rate x 1, Repeat x 1, Volume x 1

• **MASTER CONTROL:** Balance x 1, Volume x 1 • **POWER RATING:** 35 W x 2 • **OTHERS:** Meter x 1, AC Outlets (Rated 200W Max) x 2, Power Switch x 1 • **DIMENSIONS:** 370(W) x 207(H) x 255(D)mm • **WEIGHT:** 6.8kg • **POWER CONSUMPTION:** Voltage (Local Voltage, 50/60Hz), Wattage (130W)

# SP-2035

SPEAKER SYSTEM



Designed for EM-570.

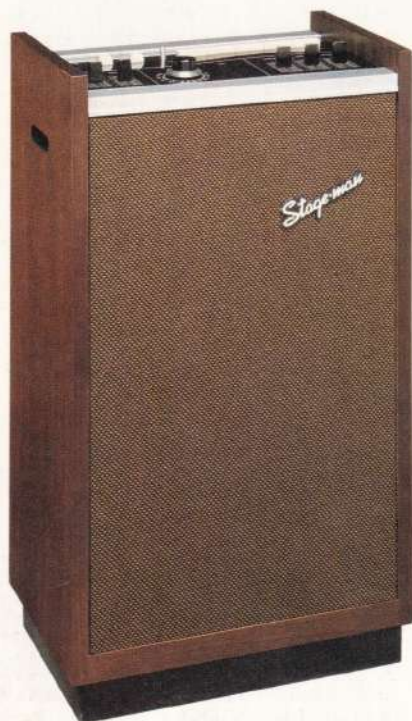
Specially developed for the EM-570 mixer, this speaker system employs a full range driver in an efficient bass reflex enclosure to provide balanced sound quality and volume sufficient for monitoring purposes.

**SPECIFICATIONS** • **TYPE:** Full-Range, Bass-reflex • **SPEAKER UNIT:** 20cm Metal-cap Cone Type • **INPUT POWER:** 35W (RMS) • **IMPEDANCE:** 8Ω • **FREQUENCY RANGE:** 70 Hz~12,000 Hz • **DIMENSIONS:** 330(W) x 540(H) x 200(D)mm • **WEIGHT:** 7.7 kg • **ACCESSORIES:** Speaker Cords = 10cm x 1, Brackets, Wood Screws, Nails



# SM-20

DONCAMATIC STAGEMAN



The complete rhythm machine for the professional stage and music education.

A full-scale rhythm machine with 15 percussion instrument sounds plus adjustable volume for quijada, guiro and tambourine. The built-in speaker system and 25W amp deliver satisfying volume. Features include a choice of 20 rhythms on an illuminated selector, electronic metronome, electronic conductor, and an input jack for microphone, electric guitar, or other instrument. Ideal for all professional applications.



**SPECIFICATIONS** • RHYTHM x 20: Waltz, Samba, Mambo, Rumba, Tango, Bossanova, Jazz Waltz, Baion, Cha-Cha, Beguine, Habanera, Ballad, Rock 1, 2, 3, 4, March 2/4, 6/8, Swing, Latin Swing • PERCUSSION SOUND x 15: Bass Drum, Conga, Large Bongo, Small Bongo, Claves, Cow Bell, Snare Drum, Rim Shot, Cymbal, Hi-Hat, Quijada, Guiro, Tambourine • CONTROL: Tempo Dial, Quijada Volume, Guiro Volume, Tambourine Volume, Balance Control, Volume • OTHERS: Start/Stop, Metronome, Electronic Conductor, Power Switch • INPUTS x 2: Start/Stop, Amplifier Input • OUTPUT: Line Out • SPEAKER: 30cm x 1.5cm x 1 • OUTPUT: 25W • DIMENSIONS: 403(W) x 690(H) x 265(D)mm • WEIGHT: 17 kg • ACCESSORIES: Foot Switch (S), Cloth Cover • POWER CONSUMPTION: Voltage (Local Voltage 50/60 Hz), Wattage (60W)

## Mini Pops 120W/120P



120W



120P

Revolutionary design permits free selection of breaks and fill-ins.

Advanced digital technology gives this unit break and fill-in capability. With the auto/manual switch you can put your choice of five kinds of break or fill-in where you want to in the rhythm structure. Each rhythm has two patterns so you can set the unit to switch to the second pattern after the point you choose for the break or fill-in. The new natural feeling you get with the Mini Pops leaves behind the mechanical image of conventional rhythm machines.

**SPECIFICATIONS** • RHYTHM x 32: Rock 1 A/B, 2 A/B, 3 A/B, 4 A/B, Tango A/B, Polka A/B, Foxtrot A/B, March A/B, Slow Rock A/B, Swing A/B, Bossanova A/B, Beguine A/B, Rumba A/B, Mambo A/B, Samba A/B, Waltz A/B • BREAK RHYTHM x 5 • PERCUSSION SOUND x 10: Bass Drum, Low Conga, High Conga, Bongo, Cow Bell, Claves, Snare Drum 1, 2, Cymbal, Hi-Hat • CHANGE/BREAK: Auto-Manual, Change Mode Selector, Break Rhythm Selector, Measure Selector • FADE OUT/IN: Long/Short, Fade Out/In Switch • OTHERS: Start/Stop, Tempo Control, Tempo Lamp, Rhythm Lamp x 2, Power Switch/Volume, Balance Control • INPUTS x 3: Start/Stop, Fade Out/In, Change/Break

• OUTPUTS x 2: For Hi-Fi, For Guitar • DIMENSIONS: 120W = 270(W) x 185(H) x 285(D)mm, 120P = 270(W) x 160(H) x 335(D)mm • WEIGHT: 120W = 3.5 kg, 120P = 4.3 kg • ACCESSORIES: Connection Cord, Foot Switch (S) • POWER CONSUMPTION: Voltage (Local Voltage 50/60 Hz), Wattage (5W)



## Mini Pops 7



Professional performance in a portable, compact package.

Designed for convenient portability, the slim body houses sophisticated circuitry. Combining waltz with other rhythms provides a wide variety of complex triple-time patterns.

**SPECIFICATIONS** • RHYTHM x 20: Waltz, Samba, Mambo, Rumba, Tango, Bossanova, Jass Waltz, Baion, Cha-Cha, Beguine, Habanera, Ballad, Rock 1, 2, 3, 4, March 2/4, 6/8, Swing, Latin Swing • PERCUSSION SOUND x 15: Bass Drum, Conga, Large Conga, Small Conga, Claves, Cow Bell, Snare Drum, Rim Shot, Symbal, Hi-Hat, Quijada, Guiro, Tambourine • CONTROL: Tempo Dial, Quijada Volume, Guiro Volume, Tambourine Volume, Balance Control, Volume • OTHERS: Start/Stop, Rhythm Lamp/Tempo Lamp, Power Switch • INPUT: Start/Stop • OUTPUTS x 2: High Out, Low Out • DIMENSIONS: 262(W) x 80(H) x 323(D)mm • WEIGHT: 3.5 kg • ACCESSORIES: Connection Cord, Foot Switch (s) • POWER CONSUMPTION: Voltage (Local Voltage 50/60 Hz), Wattage (4W)

## Mini Pops 45



Original circuitry for natural metallic percussion.

Generates 2-beat, complex rhythms perfect for today's music. The MP-35 employs original Korg technology in its new sound source circuitry to deliver more natural sounding cymbal, high hat cow bells, and other metallic percussion effects.

**SPECIFICATIONS** • RHYTHM x 45 (Rhythm x 9 + Variation x 36): Waltz, Bamba, Rumba, Bossanova, Tango, Slow Rock, Swing, Rock 1, 2, 2 Beat Variation • PERCUSSION SOUND x 10: Bass Drum, Snare Drum, Conga, Maracas, Bongo, Cymbal, Claves, Cow Bell 1, 2, Hi-Hat • OTHERS: Tempo Control, Balance Control, Power Switch/Volume, Start/Stop, Tempo Lamp • INPUT: Start/Stop • OUTPUTS x 2: For Hi-Fi, For Guitar • DIMENSIONS: 215(W) x 125(H) x 232(D)mm • WEIGHT: 2.6 kg • ACCESSORIES: Connection Cord • POWER CONSUMPTION: Voltage (Local Voltage 50/60 Hz), Wattage (3W) • OPTIONAL EQUIPMENT: Foot Switch (s)

## Mini Pops 35



New approach for varied pattern creation.

By combining 36 two-beat variations with 9 kinds of rhythm patterns, you can create a large number of varied effects. A lot of performance in an economical, high cost-performance unit.

**SPECIFICATIONS** • PERCUSSION SOUND x 8: Bass Drum, Snare Drum, Conga, Maracas, Bongo, Cymbal, Claves, Cow Bell • OTHERS: Same As MP-45

## Mini Pops Junior



Korg's most compact rhythm machine.

Equipped with flashing tempo light for quick judgement of speed. The ten rhythms (including waltz, ballad, rock, latin) can be combined to create more variety.

A great unit for accompaniment and practice of electric organ, guitar, woodwinds, etc.

**SPECIFICATIONS** • RHYTHM x 10: Waltz, Mambo, Cha-Cha, Ballad, Bossanova, Rock 1, 2, Latin Beat, Polka, Foxtrot • OTHERS: Tempo Control, Volume Control • DIMENSIONS: 255(W) x 97(H) x 245(D)mm • WEIGHT: 2.3 kg • ACCESSORIES: Connection Cord • POWER CONSUMPTION: Voltage (Local Voltage 50/60 Hz), Wattage (20W) • OPTIONAL EQUIPMENT: Foot Switch (J)



# KORG QUARTZ 440/441/442/443Hz



Unsurpassed precision — quartz oscillator electronic tuning fork.

You are assured of perfect accuracy thanks to the quartz oscillator's unwavering frequency stability. An integral microspeaker delivers a clear tone for tuning instruments or calibrating other tuning devices.

Choose from four frequency models: 440Hz, 441Hz, 442Hz, 443Hz.

Pendant design is convenient and can be worn as fashion accessory.

**SPECIFICATIONS** QUARTZ CRYSTAL OSCILLATOR FREQUENCY: For 440Hz—3.60448 MHz, For 441Hz—3.61263 MHz, For 442Hz—3.62086 MHz, For 443Hz—3.62906 MHz • ACCURACY: 25°C—Within ±100PPM, 10°C~30°C—Within ±140PPM • DIMENSIONS: 45(W) x 55.5(H) x 13(D)mm • WEIGHT: 55g • POWER CONSUMPTION: Silver Oxide battery G13 x 1 (SR44, 1 OL 14, 357, RW22)

# WT-10A TUNING STANDARD (with SOFT CASE/AC ADAPTER) Specialized bagpipe model also available.



Meter-type electronic tuner for all kinds of music.

Developed for tuning and voice training. This unit gives a direct meter indication of pitch accuracy so you can judge tuning at a glance. Also generates a precise reference frequency. Microphone and speaker are built in. Runs on batteries or AC line power.

**SPECIFICATIONS** • READING RANGE: A=435—450 Hz (6 OCT) • SOUND RANGE: A=435—450 Hz (3 OCT) • NOTE: 12 Tempered Chromatic Scale • ACCURACY: Relative Error For Standard Frequency ±1 Cent • VOLUME: 2 Stages • DIMENSIONS: 200(W) x 52(H) x 105(D)mm • WEIGHT: 680g • POWER CONSUMPTION: Dry Batteries (AM x 3), Power Source Input (6V DC 100 mA)

# GT-6 GUITAR TUNER



Easy to use for guitar and bass.

The meter needle quickly and accurately shows you the pitch of your guitar or bass strings. Gives a precise pitch indication for all six open strings. Compact design fits in one hand. Equipped with built-in meter lamp for easy reading in low-light situations.

**SPECIFICATIONS** • METER: -50~+50 Cents, Battery Check • CONTROL NOB: Notes Selector (6E, 5A, 4D, 3G, 2B, 1E), Power Switch (Off-On-Light), Battery Button • INPUT & OUTPUT: Instrument Input, Amplifier Output • OTHERS: Microphone, Hand Strap, Standard Pitch Adjust • READING RANGE: 2 OCT Above & 1 OCT Below Each Position • ACCURACY: ±3 Cents • DIMENSIONS: 143(W) x 43(H) x 86(D)mm • WEIGHT: 275g • POWER CONSUMPTION: Dry Battery (006P x 1, 9V)

# RT-10 RHYTHM TRAINER



Generates every type of simple and complex rhythm.

An accurate sense of rhythm is essential to good musical technique. The RT-10 gives you a practical means of developing rhythmic ability. Highly flexible pattern generating capability gives you every type of rhythm even compound time and a symmetric time.

**SPECIFICATIONS** • METRONOME: Tempo Dial (♩ = 40~200), Start Switch, ♪ / ♩ Select Switch, ♪ Volume, ♪ / ♩ Volume, Tempo Lamps x 2 • STANDARD PITCH: Note Selector (A/B'), Volume • OTHERS: Power Switch, Output (Line Level), Amplifier, Speaker • DIMENSIONS: 305(W) x 125(H) x 75(D)mm • WEIGHT: 1.3kg • POWER CONSUMPTION: Voltage (Local Voltage 50/60Hz), Wattage (5W)



# The manufacture of **KORG** products is based on advanced technology and strict quality control standards.



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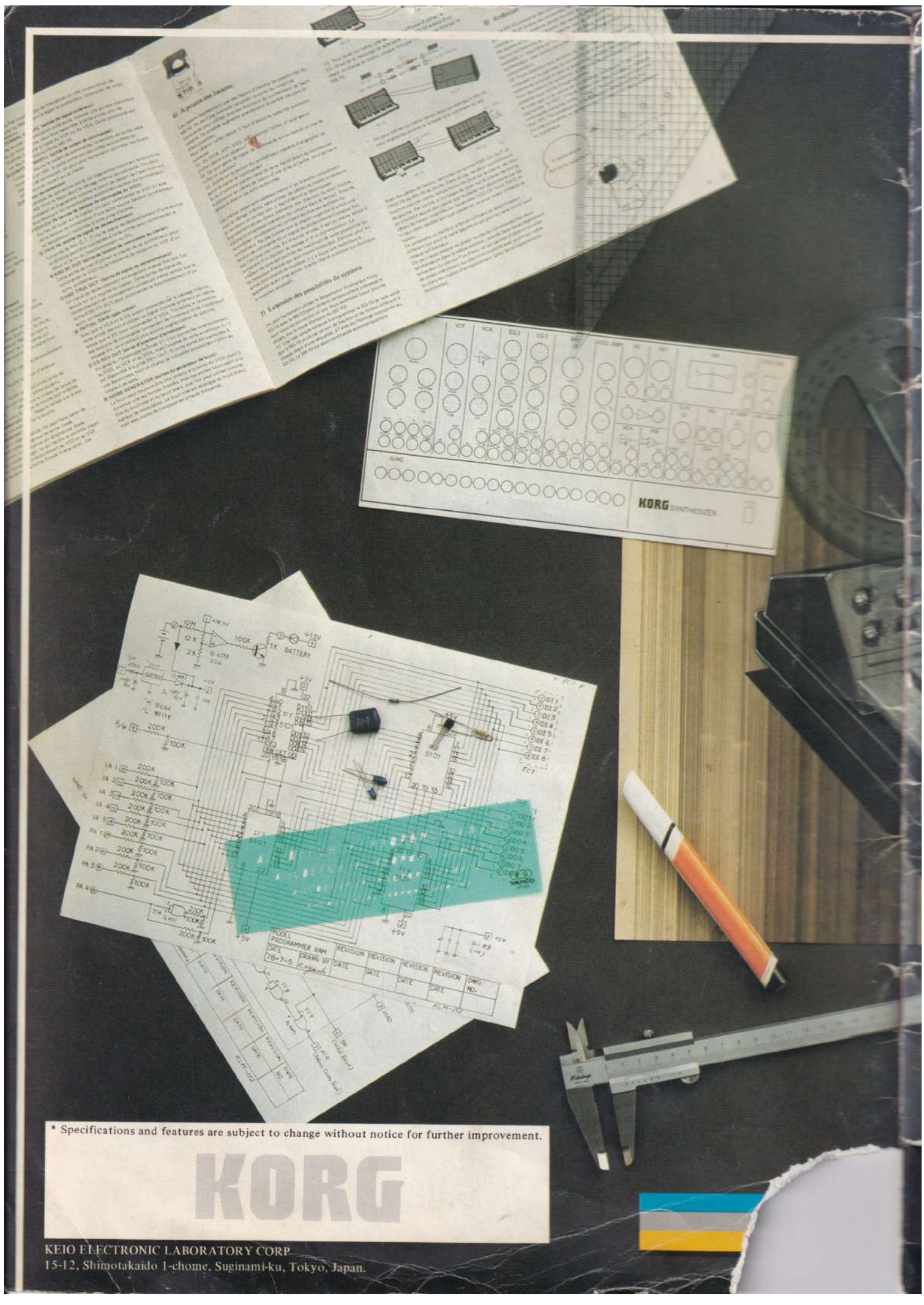
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- ① Rigorous performance tests ensure reliability.
- ② Testing circuit performance.
- ③ Final testing stage.
- ④ KORG SHOW ROOM in Tokyo.
- ⑤ KORG products displayed at the KORG SHOW ROOM.





\* Specifications and features are subject to change without notice for further improvement.

# KORG

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