

TONEWORKS
HYPERFORMANCE PRODUCTS
KORG



AX30G

GUITAR HYPERFORMANCE PROCESSOR

G1 GUITAR
DISTORTION
PROCESSOR

G3 GUITAR
PERFORMANCE
PROCESSOR

G2 ACOUSTIC
GUITAR
PROCESSOR

G4 ROTARY
SPEAKER
SIMULATOR

DC 9V PARAM- PEDAL IN -VOLUME

AUTO CHROMATIC TUNER

-50 -20 +20 +50

BANK/NOTE

!

#

GUITAR
HYPERFORMANCE
PROCESSOR

U11 HOSTILE
DST1-wah -3

DRIVE TONE MOD AMBIENCE PRESSURE NR

PRESSURE

BANK

1

AX30G

Great Guitar Sound Starts Here.

AX30G

GUITAR HYPERFORMANCE PROCESSOR

With its unique Pressure Pedal and 28 different dynamic effects, the AX30G gives you amazing expressive control over your guitar sound.

A new level of performance power — with 28 awesome effects and a special Pressure Pedal

The AX30G features a world's first — a built-in Pressure Pedal in a compact effect unit. The Pressure Pedal gives you greater expressive control and provides a much more natural, immediate feel, compared with conventional volume pedal-type controllers. It's especially effective when controlling the depth of the wah and reverb effects — and even has a pedal-controlled pitch bend. Plus, the AX30G alerts you as to which effect programs can be used with the Pressure Pedal by lighting up the word "PRESSURE" on the panel.

And what about the effects? The AX30G has 28 of them — powerful, studio-ready and professional-quality. They give you everything you need from "in-your-face" distortion, thanks to Hybrid Gain Structure, to wild and unique special effects.

28 top-quality effects, including Distortion, Wah, Chorus and Flanger

The AX30G is packed with the kind of popular effects that every guitarist wants. Effects like chorus, wah, flanger, echo, and delay. It also features one-of-a-kind effects like Hyper Resonator — something brand new that creates unique guitar synthesizer sounds. Plus other exotic effects like Random Step Filter, Bender, Sweep Modulation Delay, Ring Modulation and more.

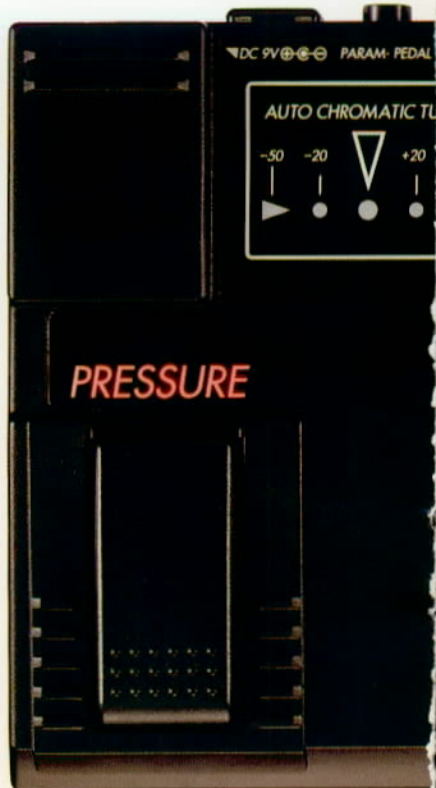
No multi-effects device would be complete without distortions and the AX30G is loaded with a selection of seven stunning distortion effects. In fact, with Korg's Hybrid Gain Structure, the AX30G combines analog

and digital distortion in a way that's never been done before. The result is a naturally compressed feel and sustain, coupled with unmatched gain and tonal programmability.

50 preset programs, plus 16 user programs — create your own dynamic effects using the 24 Chains and the intuitive IPE editing system

The effect structure of the AX30G is set up in Chains — each of which is a different way of patching or ordering the effects. The Chains allow you to use a maximum of six effects simultaneously. By combining the six Chains of Block 1 and the four of Block 2, you have twenty-four different ways to hook up the effects. This sound-shaping flexibility gives you the power not only to reproduce high-quality conventional effects, but also to create wild, unique sounds.

Editing of all effects is fast, easy and intuitive — thanks to the editing dial and the large LCD which fully displays the program and parameter names. Naturally, the AX30G has a compare function, which allows you to check your edited sound against the original program. Best of all, you can use the convenient IPE (Integrated Parameter Editing) system to quickly and easily create the sound you want. IPE gives you instant access to a full 375 parameter setting variations for 24 of the AX30G's effects. Simply select the desired IPE category — Drive, Tone, Mod or Ambience — from the panel and turn the dial to select a variation. And once you've created a program, you can save it to one of the 16 user programs for future recall.



AX30G-Effect

Block	Effect	Description	
Block1 (6 effects)	Compressor	This is the effect that smoothes out changes in volume, creating sustain.	
	3 Band EQ	Provides fine control over three frequency ranges: Bass, Mid and Treble	
	Wah	• Available in two modes: Auto and Pedal. The depth of the effect can be dynamically controlled by your picking strength.	
	Distortion 1	The four available types are Classic (an Overdrive effect), Crush, Studio and Hash (Distortion).	
	Distortion 2	• The three available types are Vintage and Tube (Overdrive effects), plus High Gain (Distortion).	
	Hyper Resonator	• This is a combination of a harmonic drive and a sweep resonator, providing a variety of sounds ranging from fuzz-type sounds to guitar synth-type sounds.	
Block2 (21 effects)	A.Sim/Exact	Amp Simulator	Simulates the characteristic of an amp, and for direct line recording.
		Exciter	Emphasizes overtones to sharpen a sound's sonic image.
	Mod1	Chorus	• A richly textured, high-quality Chorus effect, for creating a fatter, more spacious sound.
		Flanger	• The well-known flanging sound, a jet airplane-like effect.
		Phaser	• Creates the modulation characteristics of a rotating speaker.
		Vibrato	• Creates cyclic change in pitch.
		Tremolo	• Creates cyclic change in volume.
		Ring Modulator	• Creates bell-like sounds. When the Pressure Pedal is used, unique pitch bending-type effects can be created.
	Mod2	Modulation Delay	• This effect allows you to add pitch changing effects to a delayed sound.
		Stereo Modulation Delay	• This effect allows you to add pitch changing effects to a stereo delayed sound.
		Sweep Modulation Delay	• Adds modulation that varies according to the strength of picking.
		Stereo Phaser	• Simulates the modulation characteristic of a rotating speaker.
		Random Step Filter	• Creates random change in filter frequency. Depending on the Type setting it can also function as a random oscillator.
		Pitch Shifter	• Creates parallel harmony by mixing in a pitch-shifted sound.
		Bender	• This effect lets you use the Pressure Pedal to change the pitch.
		Panner	• This effect cyclically modulates the stereo position of a stereo input signal.
	Ambience	Stereo Delay	• Stereo Delay with independent L/R.
		Cross Delay	• Stereo Delay in which feedback alternates between L/R.
		Tap Tempo Delay	• A long delay in which the Pressure Pedal controls the delay time.
		Hold Delay	• A long delay of up to 1000ms with a hold function.
		Reverb	• The three available types are Room, Hall and Plate.
Noise Reduction		• A newly developed noise reduction effect in which the unnatural "breathing" sounds of attack and release have been eliminated.	

(• = Effects can be controlled by the Pressure Pedal.)



The AX30G is truly a powerful, pioneering multi-effect processor that features the editing control of a rackmount unit and the playability of a foot pedal device — plus a simplicity of operation that's never been available in either type before.

Additional convenient functions for taking your sound on the road

Compact and weighing in at less than three pounds, the AX30G is ready to give you the sound you need, wherever you go.

To keep you in perfect tune, there's a built-in Auto Chromatic tuner with a super-wide pitch detection range from A0 to C7 (27.5Hz - 2.093 kHz). Standard pitch is adjustable from A = 438 Hz to 445 Hz. With the easy-to-read LED display, you're always assured of a quick and accurate reading, no matter what your viewing angle. And the Mute function lets you tune your guitar silently onstage. A special Noise Reduction effect has been newly designed to eliminate the unnatural level changes found on conventional devices.

The AX30G also features a convenient AUX IN jack — perfect for practicing with a tape or CD source, whether at home or on the road.

An Individual On/Off function gives you flexible control over effect on/off switching as you play. Unlike conventional effect units, the AX30G divides effects into three general groups — Drive, Modulation and Ambience — and lets you turn those types of effects on or off as needed with foot pedals 1, 2 and 3.

AX30G Chain List

	Block 1	Block 2
Chain 1	COMP — DST1 — 3BEQ	Mod1 — Mod2 — Ambience
Chain 2	COMP — WAH — 3BEQ	Mod1 — Ambience — Mod2
Chain 3	DST1 — WAH — 3BEQ	A.Sim/Exct — Mod2 — Ambience
Chain 4	WAH — DST1 — 3BEQ	A.Sim/Exct — Ambience — Mod2
Chain 5	DST2	—
Chain 6	HYPR	—

AX30G Preset Program List

DISTORTION	OVER DRIVE	CLEAN	SFX	LINE
P1 HOSTILE	P11 VIBRA-KING	P21 MODVERB	P31 DARK SIDE	P41 FATnBROWN
P2 ERUPTION!	P12 BLUESBRAKE	P22 AmbiCHORUS	P32 HYPER ZONE	P42 CRUNCHtone
P3 CHINA TOWN	P13 HONKTONE	P23 FunkPHASE	P33 HELL.ZONE	P43 MicnTWEED
P4 LOOK BACK!	P14 BLUES MAN	P24 RotoPHASE	P34 V12 ENGINE	P44 ModisODIUS
P5 SABBATH	P15 NATURAL OD	P25 TREMOVERB	P35 HAWAII BOY	P45 STUDIO MAN
P6 BARRAKUDA	P16 TUBE humper	P26 VIBRAVERB	P36 RING GONG	P46 STUDIO MAN2
P7 SCREAMING	P17 PRESS IT!	P27 SLAPnCOMP	P37 PLANET X	P47 GALLAGER69
P8 SCHENKWAH	P18 BIRDTONE	P28 TOPWAHMAN	P38 WAVE SEQ.	P48 SPITwah
P9 Phase DIST	P19 BIG GUN	P29 VIBRO-MOD	P39 VOICE Mod	P49 VintageAMP
P10 JIMI wah	P20 CROSSFIRE	P30 NW CHORUS	P40 JET-PANNER	P50 CLEAN LINE

(— = Programs in which the Pressure Pedal is assigned.)

AX30G SPECIFICATIONS • Effects: 28 effects • Simultaneous Effects: Up to 6 (+ Noise Reduction) • Chains: 24 chains (Block1 6 chains x Block2 4 chains) • Controls: Input Level, Output Level, Dial, IPE select SW x 4 (Drive, Tone, Modulation, Ambience), Pressure SW, Noise Reduction SW, Total level SW, Edit/Exit SW, Parameter/Value SW, Compare/Write SW, Pressure Pedal, Foot switch x 5 (Program Select 1,2,3,4, Bank Select) • Programs: Preset 50, User Programmable 16 • Input/Output Connections: Guitar Input (1/4" phone), Aux Input (1/8" stereo mini phone), Line Output (L/Mono, R - 1/4" phone), Headphone Output (1/8" stereo mini phone), DC IN, Continuous Control Pedal Input (Parameter, Volume - 1/4" TRS phone) • Tuner: Auto Chromatic Tuner [Calib. A=438-445Hz, Measurement Range 27.5 Hz to 2.093 kHz (A0 to C7), Measurement Accuracy ± 1cent] • Indicators: Peak Input Level, Program 1,2,3,4, Pressure Pedal Enable/Disable • Display: Parameter / Program (16 x 2 LCD with backlight), Bank No./Note (7 Segment LED) • Sampling Rate: 39.0625kHz • A/D Conversion: Bitstream 18bit • D/A Conversion: 4 Times Over Sampling Filter / Noise Shaper 18bit • Frequency Response: 20Hz to 19kHz (±1dB) • Input Sensitivity: -13dBu to +8dBu (for F.S.) • Input Impedance: 1MΩ • Aux Input Level: 350mVrms (max.) • Aux Input Impedance: 47kΩ • Output Level: +5 dBu (max., into 10kΩ) • Output Impedances: 47Ω • Headphone Output Power: 30mW + 30mW (max., into 32Ω) • Headphone Output Impedance: 10Ω • Dynamic Range: > 90dB (@ IHF-A) • Power Supply: DC9V • Power Consumption: 3W • Dimensions: 410(w) x 160(D) x 43(H)mm • Weight: 1.3kg [F.S.=digital full-scale level] [0dBu=0.775Vrms]

AX30G REAR PANEL



① INPUT : Connect the output jack of your guitar to this jack. ② OUTPUT (L/MONO, R) : Connect these jacks to your amp or mixer. For a monaural system, use the L/MONO jack. ③ HEADPHONE : A set of headphones can be connected to this jack for stereo monitoring. ④ AUX IN : Connect the output jack of a headphone stereo or cassette player, CD etc. to this jack. ⑤ VOLUME PEDAL : Connect the output jack of an optional KORG XVP-10 or EXP-2 to this jack. ⑥ PARAMETER PEDAL : Connect the output jack of an optional KORG XVP-10 or EXP-2 to this jack. ⑦ DC9V : Connect the included AC adapter.





G1 REAR PANEL



1 DC9V 2 WAH-PEDAL jack: Connect the output jack of an optional volume pedal: Korg KVP-001 or VP-10. 3 PHONES 4 OUTPUT (AMP, LINE)AMP: Connect a guitar amplifier here. LINE: Connect a mixer here. 5 INPUT: Connect the instrument here. 6 TUNER: Outputs a dry sound (without effect) that has been input from the Input jack. Connect a tuner.

G1 GUITAR DISTORTION PROCESSOR

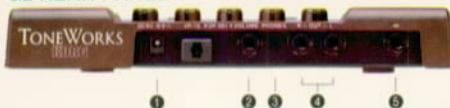
The distortion specialist — with nine separate distortion modes

This distortion-only processor provides not only full and extensive distortion, but also features flexible and easy-to-use programmability. This is distortion for guitarists who can't get enough. The unique Hybrid Gain Structure system of the G1 creates exceptionally natural and powerful distortion effects — giving you everything you need, including hard edged distortion, Fuzz, and even pedal-controlled Wah-Wah and other effects.

G1 SPECIFICATIONS ● **Internal Effects:** Wah, Overdrive/Distortion/Fuzz 9 types (Classic OD, Tube OD, High Gain Dist, Shred Dist, Fuzz, Octafuzz, Classic OD + Wah, High Gain Dist + Wah, Shred Dist + Wah), EQ, Delay, Speaker Simulator, Noise Reduction ● **Controls:** Input Level, Output Level, Parameter (Programmable) x 6 (MODE, GAIN, TONE, CONTOUR, DELAY, LEVEL), Compare/Write SW, Foot SW x 4 (Program Select (1,2,3), Bank Select) ● **Programs:** 3 programs x 3 banks (Green, Red, Orange) ● **Input/Output Connections:** Input (1/4" phone), Output [LINE (1/4" phone), AMP (1/4" phone), TUNER [Buffered] (1/4" phone)], Headphone Output (1/8" stereo mini phone), DC IN, Pedal Input [Wah] (1/4" phone) ● **Display:** LED (Red) x 6 (PEAK, ORIGINAL, VALUE, COMPARE, PROGRAM x 3), 3-colors LED [Green, Red, Orange] (BANK) ● **A/D, D/A Resolution:** 16bit Linear ● **Sample Rate:** 48kHz (64 times over sampling delta-sigma ADC) (8 times over sampling 18bit DAC) ● **Input Sensitivity:** -13dBu ~ +7.0dBu (for digital full-scale level) ● **Input Impedance:** 1MΩ ● **Output Level:** +6.0dBu (max.) ● **Output Impedances:** 5KΩ (max.) ● **Tuner Out Level:** Input Gain Unity ● **Headphone Out Power:** 50mW(max.)/32Ω stereo ● **Dynamic Range:** >90dB (@ BYPASS IHF-A) ● **Power Supply:** DC 9V ● **Power Consumption:** 400mA(max.) ● **Dimensions:** 281(W) x 209(D) x 38(H) mm ● **Weight:** 1.1kg



G2 REAR PANEL



1 DC9V 2 VOLUME PEDAL jack: Connect the output jack of an optional volume pedal: Korg KVP-001 or VP-10. 3 PHONES 4 OUTPUT (R, L/MONO): Connect an amp, mixer, etc. here. When using monaural equipment, connect to the L/MONO jack. 5 INPUT: Connect the guitar here.

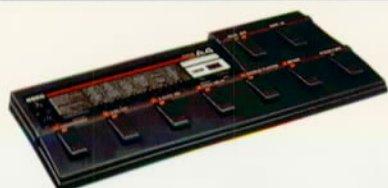
G2 ACOUSTIC GUITAR PROCESSOR

Warm and rich multi-effects for electric-acoustic guitars

The G2 features nine different effects for enriching and enhancing the sound of acoustic guitars — seven of which can be used simultaneously. These include a newly developed 12-String simulator, as well as Limiter, Exciter, Chorus/Flanger, Delay/Reverb and Notch Filter effects. In addition to the exceptional ease of operation, the G2 features a convenient built-in tuner.

G2 SPECIFICATIONS ● **Internal Effects:** Limiter, EQ Exciter, 12 String Simulator (stereo), Chorus/Delay (stereo), Delay/Reverb (stereo), Notch-Filter ● **Controls:** Input Level, Output Level, Parameter (Programmable) x 6 (DYNAMICS, TONE, DEPTH, MOD/TIME, AMBIENCE, NOTCH), Compare/Write SW, Foot SW x 4 (Program Select (1,2,3), Bank Select) ● **Programs:** 3 programs x 3 banks (Green, Red, Orange) ● **Input/Output Connections:** Input (1/4" phone), Output [LEFT (1/4" phone), RIGHT (1/4" phone)], Headphone Output (1/8" stereo mini phone), DC IN, Pedal Input [Volume] (1/4" phone) ● **Tuner:** Auto Chromatic Tuner (Calibration; A=440Hz fix) ● **Display:** LED (Red) x 6 (PEAK, ORIGINAL, VALUE, COMPARE, PROGRAM x 3), 3-colors LED [Green, Red, Orange] (BANK), 9 Points LED Meter (TUNING), 8 Points Note LED (NOTE) ● **A/D, D/A Resolution:** 16bit Linear ● **Sample Rate:** 48kHz (64 times over sampling delta-sigma ADC) (8 times over sampling 18bit DAC) ● **Input Sensitivity:** -13dBu ~ +7.0dBu (for digital full-scale level) ● **Input Impedance:** 1MΩ ● **Output Level:** +6.0dBu (max.) ● **Output Impedances:** 5KΩ (max.) ● **Headphone Out Power:** 50mW(max.)/32Ω stereo ● **Dynamic Range:** >90dB (@ BYPASS IHF-A) ● **Power Supply:** DC 9V ● **Power Consumption:** 400mA(max.) ● **Dimensions:** 281(W) x 209(D) x 38(H) mm ● **Weight:** 1.1kg

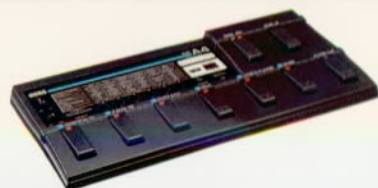
A-Series PERFORMANCE SIGNAL PROCESSOR



A4 GUITAR

PERFORMANCE SIGNAL PROCESSOR

Warm tube sound and incredibly versatile sound processing in a multi-effect device — designed especially for guitar.



A4 BASS

PERFORMANCE SIGNAL PROCESSOR

With the new, exciting Synth Bass effect — drawing on Korg's synthesizer experience — the A4 BASS gives bass players exactly what they've been looking for.



G3 REAR PANEL



① DC9V ② VOLUME PEDAL jack: Connect the output jack of an optional volume pedal: Korg KVP-001 or VP-10. ③ PHONES ④ OUTPUT (R, L/MONO): Connect an amp, mixer, etc. here. When using monaural equipment, connect to the L/MONO jack. ⑤ INPUT: Connect the guitar here. ⑥ TUNER: Outputs a dry sound (without effect) that has been input from the Input jack. Connect a tuner.



G4 REAR PANEL



① DC9V ② SPEED: Connect the cable from the output of a latch-type foot switch, or optional volume pedal Korg KVP-002 here. ③ PHONES ④ OUTPUT (R, L/MONO): Connect an amp, mixer, etc. here. When using monaural equipment, connect to the L/MONO jack. ⑤ INPUT: Connect the instrument here. When using monaural instrument, connect to the L/MONO jack.

G3 GUITAR PERFORMANCE PROCESSOR

Full and flexible multi-effects for guitarists who want to play— not program

The G3 provides breakthrough multi-effect performance in an exceptionally compact, easy-to-use and affordable package. The array of all-digital effects include Compressor, Overdrive, Distortion, EQ, Flanger, Chorus, Rotary Speaker, Delay and Reverb — and six of them can be used simultaneously. Five parameter dials give you comprehensive control over the sound. And with the effect program grouping — Clean, Crunch and Lead — you can instantly and easily call up the type of effect you want.

G3 SPECIFICATIONS • **Internal Effects:** Compressor, Distortion/Overdrive, Semi-Parametric-EQ, Stereo Chorus/Flanger, Stereo Reverb/Delay, Noise Reduction • **Controls:** Input Level, Output Level, Parameter (Programmable) x 6 (DRIVE, TONE, SPEED, TIME, LEVEL, NR), Compare/Write SW, Foot SW x 4 (Program Select 1,2,3, Bank Select) • **Program:** 3 programs x 3 banks (Green, Red, Orange) • **Display:** LED(Red) x 6 (PEAK, ORIGINAL VALUE, RESTORE, BYPASS, DRIVE, STOP), 3-colors LED [Green, Red, Orange] (BANK) • **A/D, D/A Resolution:** 16bit Linear • **Sample Rate:** 48kHz (64 times over sampling delta-sigma ADC) (8 times over sampling 18bit DAC) • **Input Sensitivity:** -13dBu ~ +7.0dBu (for digital full-scale level) • **Input Impedance:** 1MΩ • **Output Level:** +6.0dBu (max.) • **Output Impedances:** 5KΩ (max.)(0dBu = 0.775Vrms) • **Dynamic Range:** ± 90dB (@ BYPASS IHF-A) • **Power Supply:** DC 9V • **Power Consumption:** 250mA(max.) • **Dimensions:** 281(W) x 209(D) x 38(H) mm • **Weight:** 1.1kg

G4 ROTARY SPEAKER SIMULATOR

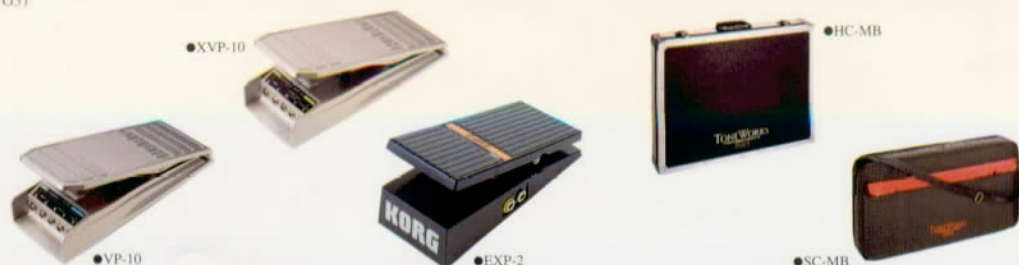
Huge rotary speaker sound in a small pedal unit

This pedal-type rotary speaker simulator gives you everything an actual rotary speaker has — except the bulky and heavy cabinet. The G4 features all the luscious depth and modulating textures of the real thing, provides that classic overdrive sound, and even lets you set the apparent microphone placement and change the rotary speed with a connected pedal. Plus, four convenient foot pedals give you instant sonic control onstage.

G4 SPECIFICATIONS • **Controls:** Input Level, Output Level, Parameter(Programmable) x 6 (ACCELERATION, SPEED, BALANCE, DISTANCE, SPREAD, DRIVE), Restore/Write SW, Foot SW x 4 (BYPASS, DRIVE, STOP, SPEED) • **Program:** 1 • **Input/Output Connections:** Input [LEFT/MONO (1/4" phone), RIGHT (1/4" phone)], Output [LEFT (1/4" phone), RIGHT (1/4" phone)], Headphone Output (1/8" stereo mini phone), DC IN, SW/Pedal Input [SPEED] (1/4" phone) • **Display:** LED(Red) x 6 (PEAK, ORIGINAL VALUE, RESTORE, BYPASS, DRIVE, STOP), 2-colors LED [Green, Red] (SPEED) • **A/D, D/A Resolution:** 16bit Linear • **Sample Rate:** 48kHz (64 times over sampling delta-sigma ADC) (8 times over sampling 18bit DAC) • **Input Sensitivity:** -7dBu ~ +7.0dBu (for digital full-scale level) • **Input Impedance:** 1MΩ (stereo-in)/500kΩ (mono-in) • **Output Level:** +6.0dBu (max.) • **Output Impedances:** 5KΩ (max.) • **Headphone Out Power:** 50mW(max.)/32Ω stereo • **Dynamic Range:** > 90dB (@ BYPASS IHF-A) • **Power Supply:** DC 9V • **Power Consumption:** 380mA(max.) • **Dimensions:** 281(W) x 209(D) x 38(H) mm • **Weight:** 1.1kg

AX30G and G-Series Options

- VP-10 VOLUME PEDAL (for AX30G, G1, G2, G3)
- XVP-10 EXP/VOL PEDAL (for AX30G)
- KVP-001 VOLUME PEDAL (for G1, G2, G3)
- KVP-002 VOLUME PEDAL (for G4)
- EXP-2 FOOT CONTROLLER (for AX30G)
- Audio Connection Calbe 2m, 3m, 5m, 7m
- HC-MB HARD CASE
- SC-MB SOFT CASE
- KH-3000 HEADPHONES



KORG

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