

KORG

A4

PERFORMANCE SIGNAL PROCESSOR

**GUITAR
BASS**

A4

PERFORMANCE SIGNAL PROCESSOR

Professional Specs

This is no toy! The A4's superior audio quality can be attributed to the fact that it uses a 21 bit, 64-times oversampling A/D converter, an 18 bit D/A converter, and a sampling frequency of 48kHz.

A-Series—User Friendly Operation

The A4 uses the same intuitive user interface as the popular A5. Parameters can be quickly and easily accessed and edited via the convenient front panel edit knobs. And an Edit Compare function has been added to make the process even easier—adding up to a user interface that doesn't get in the way of musical creativity!

Effects Programs

There are a total of 60 programs onboard, 30 of which are factory presets. And new programs or edits can be stored to any one of the remaining 30 user programs.

Built in Chromatic Tuner

The A4 has a built in Chromatic Tuner. By pressing the A4's bypass footswitch all effects are bypassed and you enter the tuning mode. By holding down the bypass footswitch for approximately 1 second, the output signal is muted and silent tuning is possible. The tuning range covers 7 octaves, A0 (27.5Hz)—C7 (4186Hz).

AN INNOVATIVE STEP AHEAD IN GUITAR AND BASS GUITAR EFFECTS PROCESSING

The A4 combines the power of the A3 and the portability of the A5. This all-digital multi-effects processor is available in 2 different models. The A4 Guitar effects processor features new improved Distortion and Overdrive effects as well as one octave up and down Pitch Shifting. The A4 Bass effects processor features effects such as Dyna Exciter, 6 Band EQ and a new "Synth Bass" effect. We expanded the User Program area, added an onboard chromatic tuner and sped up the time between program changes! A compact pedalboard effects processor with all of these features is truly an innovation!

MIDI Capability

The A4 has MIDI In and Out jacks, and sends and receives MIDI program change messages. Also, user programs can be dumped via SYSEX and saved to a MIDI data file.

External Control

There are 2 External Control output jacks that can be programmed to control channel switching on up to 2 guitar amps.

A4 GUITAR

The A4 Guitar contains 9 simultaneous effects with 11 effect types: Compressor, Distortion/Overdrive, 3 Band Equalizer, Pitch Shifter, Delay, Chorus/Flanger, Reverb, Amp Simulation and Noise Reduction.

Distortion/Overdrive

The A4 Guitar can be used in a wide range of musical styles. There are three modes for Overdrive and four modes for Distortion, as follows:

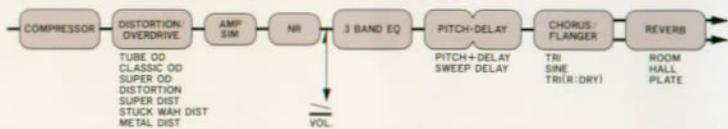
- | | |
|----------------------|-------------------------|
| Overdrive | Distortion |
| 1. Tube Overdrive | 4. Distortion |
| 2. Classic Overdrive | 5. Super Distortion |
| 3. Super Overdrive | 6. Stuck Wah Distortion |
| | 7. Metal Distortion |



GUITAR

The A4's seven Distortion/Overdrive modes (three Overdrive, four Distortion) cover a wide range of sounds. Unlike many other effects devices, each of these modes is not simply a tone variation of the same effect, but actually a distinct distortion and overdrive sound recreated digitally. Tube Overdrive simulates basic tube amplifier distortion. Classic Overdrive is a natural overdrive that responds dynamically to your playing style. Super Overdrive is a smooth overdrive with a peak in the middle frequency band. Distortion reproduces a smooth, high-gain distortion. Super Distortion is a powerful distortion effect with a peak in the middle frequency band. Stuck Wah Distortion produces a distortion sound and simulates the effect of a wah pedal pressed halfway down. Metal Distortion is a hard edged distortion with a penetrating presence, suitable for Heavy Metal. In addition to the basic Distortion/Overdrive effect settings, you can further enhance your distortion/overdrive sound with the 3 Band EQ effect, which can be set to automatically switch on and off together with the Distortion/Overdrive effect.

A4 GUITAR 9 Simultaneous Effects 11 Effect Types.



A4 GUITAR PRESET PROGRAM CHART

	1	2	3	4	5	6
	Distortion	Over Drive	Semi Clean	Delay	Modulation	Pitch Shifter
Bank 1	Thrust Man 11 Max 7	Wah Screamer 12 Max 2	Semi Clean 1 13 Max 2	Echo Delay 14 Max 2	Andy S 15 Max 2	Closed Flax 16 Max 2
Bank 2	Gain Master 21 Max 4	Wah Overdrive 22 Max 1	Semi Clean 2 23 Max 1	Doppler Delay 24 Max 2	LA Chorus 25 Max 5	Octave Drive 26 Max 2
Bank 3	Super Distortion 31 Max 5	Tube Overdrive 32 Max 2	Semi Clean 3 33 Max 2	Stop Delay 34 Max 2	NY Flange 35 Max 4	Pitch Synth 36 Max 1
Bank 4	George Tone 41 Max 5	Squeeze Drive 42 Max 1	Edge 43 Max 2	Analog Delay 44 Max 2	Unisibe 45 Max 1	Detune Wash 46 Max 2
Bank 5	Line Distortion 51 Max 7	Line Overdrive 52 Max 2	Line SemiClean 53 Max 3	Line Delay 54 Max 1	Bright Funk 55 Max 2	Pitch Wash 56 Max 1

There is also a unique "EQ Latch" parameter in the Distortion/Overdrive effect. By turning on this parameter, the 3 Band EQ can be linked with the Distortion/Overdrive effect and can be switched on automatically when the Distortion/Overdrive footswitch is pressed. This, along with the 7 Distortion/Overdrive modes, makes it possible to create many different types of Distortion/Overdrive effect programs.

On Stage or In the Studio

An Amp Simulation Effect, found in the Utility mode, makes it possible to use the Distortion/Overdrive programs in the A4 for direct "line-in" recording.

Pitch Shifter+Delay

The A4 Guitar also features a Pitch Shifter (+/- 1 octave) and Delay effect (max. 999 msec.). These effects operate in two modes. In the first mode the Pitch Shifter and Delay effects are independently connected in series. In the second mode the Pitch Shifter is placed in the Delay effect's feedback loop making it possible to create special effects such as Doppler delay, etc.

A4 BASS

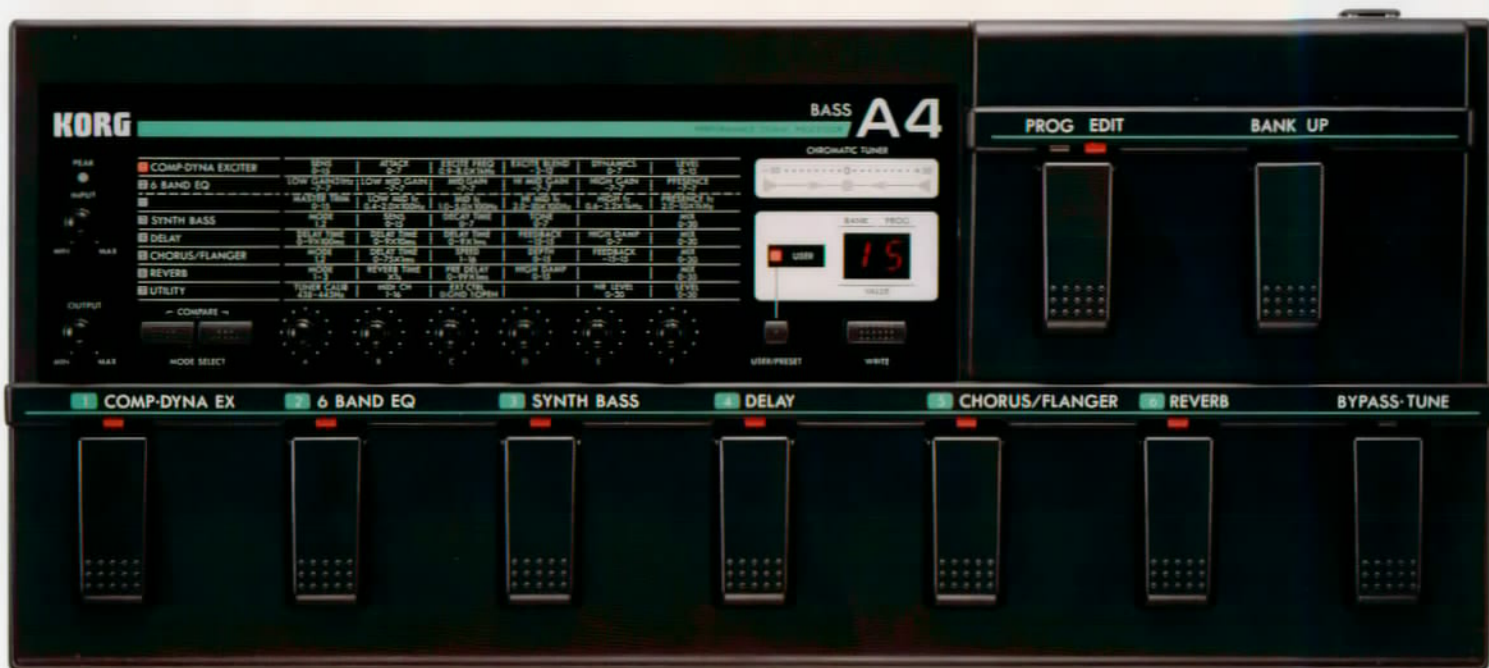
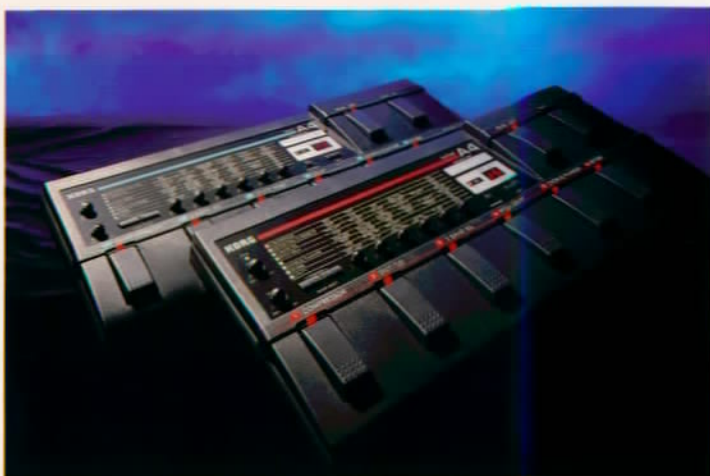
The A4 Bass contains 8 simultaneous effects with 9 effect types: Compressor, Dynamic Exciter, 6 Band Equalizer, Synth Bass, Delay, Chorus/Flanger, Reverb and Noise Reduction.

Synth Bass

The most unique feature in the A4 Bass is the Synth Bass effect. This effect transforms a normal bass guitar sound into a fat "analog synth".

Innovation

The A4 Guitar and Bass. Powerful effects processors at a truly affordable price!



BASS

Synth Bass is a new type of effect unique to the A4 Bass. The effect creates an analog synthesizer bass sound by altering the harmonic structure of the bass signal. You can custom tailor the sound using the two modes: Synth Bass 1 and Synth Bass 2. Synth Bass 1 is dynamic and will increase or decrease the amount of harmonics present in response to your playing style. Synth Bass 2 keeps the harmonic content the same, regardless of playing style. In addition to the two modes, you can adjust the sensitivity to your playing style as well as the decay time of the Synth Bass sound. Different variations can be created by altering the mix of the direct bass sound (output from the 6 Band EQ) and the Synth Bass sound.

The 6 Band EQ covers a wide frequency spectrum (great for five and six string basses!) for versatile control of your sound. The A4 Bass is unique in that it gives you control over the center frequencies of each frequency band—a feature found only on devices costing much more—allowing you to customize your EQ settings to match your bass.

The Compressor and Dyna Exciter combine a compressor with a dynamic exciter which adds punch and brightness to your sound.

A4 BASS 8 Simultaneous Effects 9 Effect Types.



A4 BASS PRESET PROGRAM CHART

	1 EQ	2 w/Delay, Rev	3 w/Chorus	4 Synth Bass	5 Synth Bass	6 Synth Bass
Bank 1	Bright Step 11	Step Delay 12	Bass Chorus 13	Prog Attack 14	Synth Bass Chorus 15	News Bass 16
Bank 2	Funk Storm 21	Room News 22	Slight Flange 23	Sub Harmonic 24	Half Note Mix 25	Euphoric Bass 26
Bank 3	Dyna-X 31	Passato 32	Deep Flange 33	Step Mix 34	Sub Harmonic 35	Funk Wig 36
Bank 4	Big Thumb 41	Amplance 42	Freeless Solo 43	Fuzz Bass 44	Digilog Bass 45	Drone 46
Bank 5	Shuffle 51	Drumming Wet 52	Solilo 53	Fuzz Bass 54	Freeless Synth 55	Synth Bass Solo 56

Rear Panel



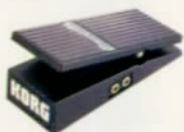
① DC9V IN ② POWER SW ③ MIDI terminals (IN, OUT):For connection to MIDI instruments. ④ EXTERNAL CONTROL OUTPUT terminals (1, 2) ⑤ VOLUME PEDAL:For connection with the output terminals of an optional volume pedal, KVP-001. ⑥ PHONES:For connecting a stereo headphone set. ⑦ OUTPUTS (R, L/MONO):For connecting to audio equipment such as guitar (bass guitar) amplifier or mixer. ⑧ INPUT:For connection to guitar and bass guitar.

Specifications

●**Internal effects** (Guitar) COMPRESSOR, DISTORTION/OVERDRIVE, AMP SIMULATOR, NOISE REDUCTION, 3-BAND EQ, PITCH-DELAY, CHORUS/FLANGER, REVERB (Bass) COMPRESSOR-DYNA EXCITER, NOISE REDUCTION, 6-BAND EQ, SYNTH BASS, DELAY, CHORUS/FLANGER, REVERB ●**Programs** Preset:30 User programmable:30 ●**Front Panel** Knobs:INPUT VOLUME, PARAMETER EDITORS, OUTPUT VOLUME Keys/Switches:BANK UP SWITCH, WRITE KEY, USER/PRESET KEY, BYPASS-TUNE SWITCH, EFCT/PROG SWITCHES, MODE SELECT SWITCH, MODE (Effect) SELECT KEYS (UP, DOWN) Display: BANK/VALUE Display:8 seg-

ment LED × 2 Dot type LEDs:EFCT/PROG LEDs MODE LEDs, Peak indicator ●**TUNER:** Measurement Range:A0-C7 Measurement Accuracy:±0.5 cent. Power Supply:DC9V. ●**Power Consumption:**350mA ●**Maximum Input Level/Impedance:**+7dBu/1MΩ ●**Maximum Output Level/Impedance:**+7.5dBu/1kΩ ●**A/D Conversion:**21 bit, 64-times oversampling ●**D/A Conversion:**18 bit ●**Sampling Frequency:**48 kHz ●**Dynamic Range:**90dB or more (IHF-A, when bypassing) ●**Dimensions:**498 (W) × 227.5 (D) × 48.7 (H) mm ●**Weight:**2.2kg

Options



●**SYNC/MIDI Cable**
1.2m
3m
5m
1m+0.5m

●**VOLUME PEDAL KVP-001**

A-SERIES PERFORMANCE SIGNAL PROCESSORS



A1 PERFORMANCE SIGNAL PROCESSOR

Professional multi-effect unit with studio quality sound. Provides a wide selection of 60 effect groups and the unlimited creative potential of multi-effect processing.



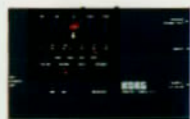
A2 PERFORMANCE SIGNAL PROCESSOR

102 effects and 97 chains-A multi-effect unit for every possible sound enhancement application.

KORG TUNER SERIES



●**DT-1 PRO DIGITAL TUNER**



●**DT-1 DIGITAL TUNER**



●**AT-2 AUTO TUNER**



●**GT-2 GUITAR TUNER**



●**BT-2 BASS TUNER**

- DTM-12 DIGITAL TUNER METRONOME**
- DT-2 DIGITAL TUNER**
- MT-1200 MULTI TEMPERAMENT TUNER**
- AT-12 AUTO CHROMATIC TUNER**
- AT-1 AUTO TUNER**

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

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KORG

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