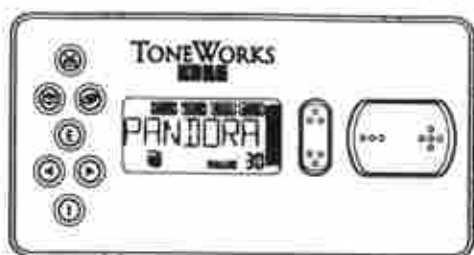




PANDORA

Personal Multi Effect Processor
PX2

OWNER'S MANUAL



TONEWORKS
GUITAR HYPERFORMANCE PRODUCTS
KORG



CE mark for European Harmonized Standards

CE mark which is attached to our company's products of AC mains operated apparatus until December 31, 1996 means it conforms to EMC Directive (89/336/EEC) and CE mark Directive (93/68/EEC).

And, CE mark which is attached after January 1, 1997 means it conforms to EMC Directive (89/336/EEC), CE mark Directive (93/68/EEC) and Low Voltage Directive (73/23/EEC).

Also, CE mark which is attached to our company's products of Battery operated apparatus means it conforms to EMC Directive (89/336/EEC) and CE mark Directive (93/68/EEC).

NOTICE

KORG products are manufactured under strict specifications and voltages required by each country. These products are warranted by the KORG distributor only in each country. Any KORG product not sold with a warranty card or carrying a serial number disqualifies the product from the manufacturer's/distributor's warranty and liability. This requirement is for your own protection and safety.

KORG KORG INC.

15-12, Shimotakaido 1-chome, Sugunami-ku, Tokyo, Japan

To ensure long, trouble-free operation, please read this manual carefully.

Precautions

Location

Using the unit in the following locations can result in a malfunction.

- In direct sunlight
- Locations of extreme temperature or humidity
- Excessively dusty or dirty locations
- Locations of excessive vibration

Power supply DC9V

Please connect the designated AC adaptor to an AC outlet of the correct voltage. Do not connect it to an AC outlet of voltage other than that for which your unit is intended.

Interference with other electrical devices

This product contains a microcomputer. Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

Handling

To avoid breakage, do not apply excessive force to the switches or controls.

Care

If the exterior becomes dirty, wipe it with a clean, dry cloth. Do not use liquid cleaners such as benzene or thinner, or cleaning compounds or flammable polishes.

Keep this manual

After reading this manual, please keep it for later reference.

Keeping foreign matter out of your equipment

- Never set any container with liquid in it near this equipment. If liquid gets into the equipment, it could cause a breakdown, fire, or electrical shock.
- Be careful not to let metal objects get into the equipment. If something does slip into the equipment, unplug the AC adaptor from the wall outlet. Then contact your nearest Korg dealer or the store where the equipment was purchased.

THE FCC REGULATION WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

Introduction

Thank you for purchasing the Korg **TONEWORKS PANDORA** Personal Multi Effect Processor.

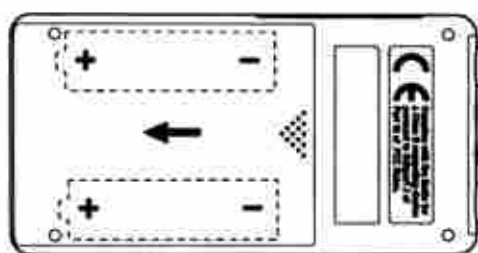
Main features

PANDORA is a multi-function yet compact-sized effect unit.

- 56 types of effect variation
- 38 user programs
- IPE (Integrated Parameter Edit) system ---easy to adjust effect settings
- Tuner function -----easy and accurate tuning
- Metronome function-----convenient for practicing
- LCD with LED backlight-----display is visible even in dark locations
- Rhythm function-----select from 32 types of rhythm patterns or metronome
- Aux In effect function-----pitch shift or center canceling can be applied to the Aux In input
- Cabinet resonator-----select from four types of cabinet simulations

Turning on the power

Remove the battery cover located on the bottom of the base by sliding it in the direction of the arrow. Insert two AA alkaline batteries (sold separately) as shown in the illustration. Be careful to insert the batteries in the correct orientation.



Specifications PX2 PANDORA Personal Multi Effect Processor

Number of programs: 38

Inputs: guitar input (phone jack)

AUX IN (mini stereo jack)

Output: line/headphone dual-purpose output (stereo phone jack)

Tuner section detection range: 27.5 Hz — 2093 Hz (A0—C7)

Metronome section tempo: ♩ = 40—208

Power supply: two AA alkaline batteries

battery life is 11 hours of continuous use (backlight off)

or

separately sold AC adapter (DC 9V) ⊕ ⊖

be sure to use only the specified AC adapter.

Dimensions: 126.6 mm × 23.7mm × 66mm (W × H × D)

Weight: 175 g (including batteries)

Options: carrying case, AC adapter (DC 9V)

Appearance and specifications are subject to change without notice for product improvement.


Controls and connectors

Cabinet resonator button(CR button)

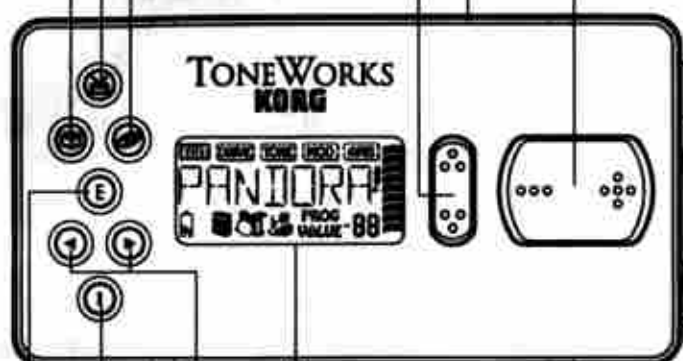
Rhythm button

Aux In Effect button

△/▽ buttons These buttons are used to edit parameters.

DC9V  An AC adapter can be connected here.
(Not necessary if batteries are used.)

+/- buttons These buttons are used to select programs and to edit parameters.



LCD with LED backlight

Turn on the light when using the unit in a dark location.

◀ ▶ buttons

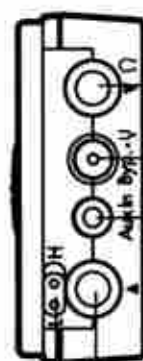
These buttons select the parameter to be edited.

Enter button

This button is used to turn effects on/off and to write settings etc.

Edit button

This button is used to enter Edit mode.



Output/Headphone jack

Bypass button

This button turns bypass on/off. Pressing it for a longer interval will mute the unit.

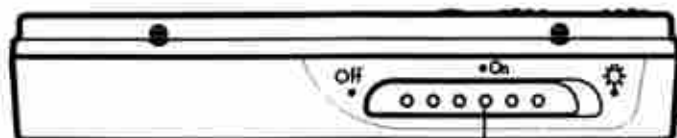
Aux In

The output of a cassette tape or CD player can be connected here.

Input jack

Input level switch

Select either H or L position as suitable for the output of your guitar etc.



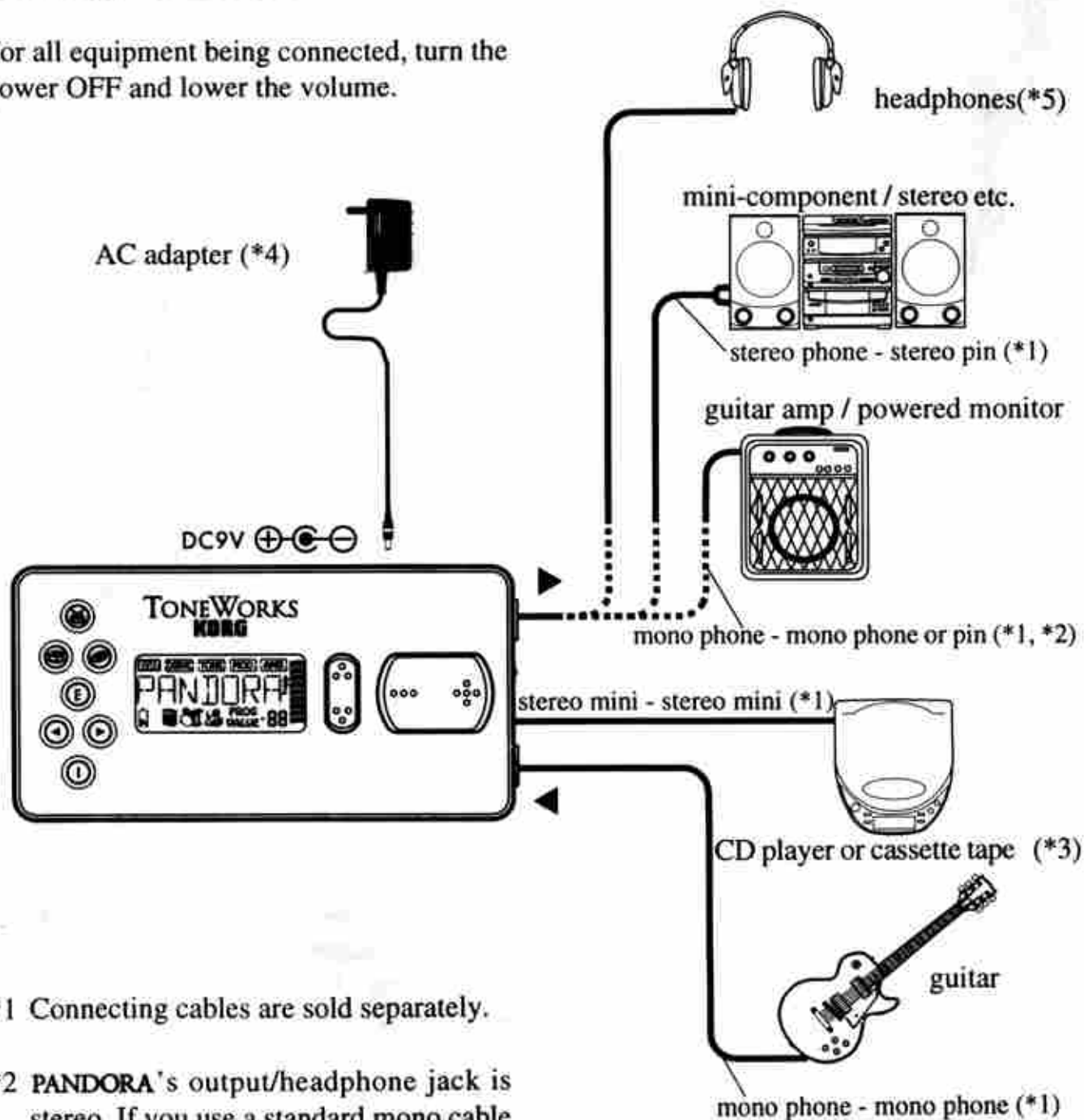
Battery cover

Power switch / Backlight switch

This switch turns the power on/off, and also turns the backlight on/off. When batteries are being used, leaving the backlight ON for an extended period will shorten the operational life of the battery.

Making connections

For all equipment being connected, turn the power OFF and lower the volume.



*1 Connecting cables are sold separately.

*2 **PANDORA**'s output/headphone jack is stereo. If you use a standard mono cable to connect it to a guitar amp etc., only the L (left) output will be heard.

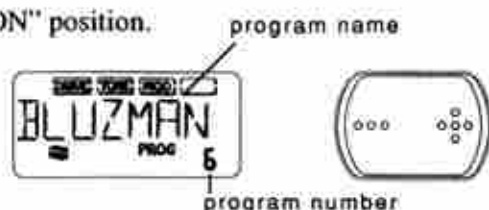
*3 If a cassette tape or CD player is connected to AUX IN you can play along on your guitar with a tape, etc. However the volume must be adjusted on the connected device.

*4 If you are using **PANDORA** with batteries, the AC adapter will not be necessary. Be sure to use only the specified AC adapter.

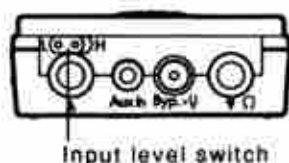
*5 **PANDORA**'s output level and sound quality will vary depending on which headphones are used. We recommend using a good quality low impedance set of headphones, 32 Ohms or less with a Sensitivity rating near 100dB/mW or above. Many headphones sold for use with portable CD or cassette players will work just fine.

Try it out

- 1) When you finish making connections, set the power switch in the "ON" position.
(This condition is referred to as Play mode.)
Use the +/- button to select a program. Select a clean-type program that will be suitable for making volume settings.
(As an example here, we will select Program 6 "BLUZMAN.")



- 2) Set the input level switch to a position appropriate for the output level of your guitar.
H: Guitars or basses with a high output level (humbucking pickups)
L: Guitars or basses with a low output level (single coil pickups)



- 3) Set the volume control of the guitar to its usual position. Press the Δ or ∇ buttons and the master level will be displayed. Continue pressing the Δ or ∇ buttons to adjust the volume.



Play mode

Set the power switch to the right position. Play mode is the mode in which you will normally use PANDORA.

1. Program change

You can select from 38 user programs. Press the +/- buttons to select programs.

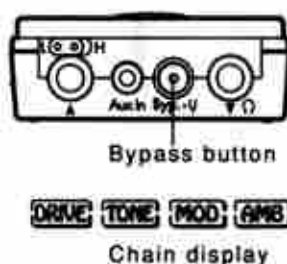
2. Master level

Press the Δ / ∇ buttons and the current master level value will be displayed in the LCD.

By continuing to press the Δ / ∇ buttons you can set the master level. The master level is remembered each time it is set, and will be remembered even when the power is turned off.

3. Bypass / Mute

When the bypass button is pressed, the chain display (DRIVE TONE MOD AMB) will change to slow blinking, and the direct sound (unprocessed by the effects) will be output. If you continue pressing the bypass button, the tune indicator will change to rapid blinking after approximately one second, and the output will be muted and there will be no sound. When PANDORA is bypassed or muted, the tuner will function. Press the bypass button once again to cancel bypass / mute.



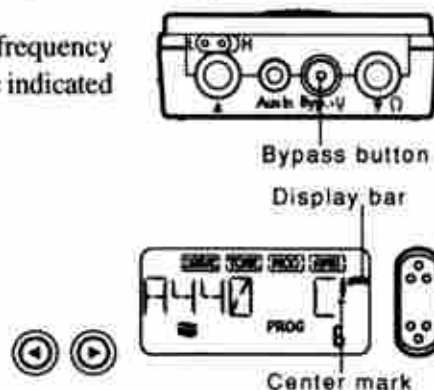
4. Tuner

In Play mode, select either Bypass or Mute. The character and numeric displays will disappear, and the tuner will operate. Play a note on your guitar.

The note name is displayed in the right edge, the meter beside it, and the frequency of standard pitch A in the left edge. Tune toward the center mark. Sharps are indicated at the upper right of the note name.

Tune so that the display bar and center mark coincide.

By pressing the Δ / ∇ button you can modify the calibration value (the frequency of standard pitch A) over the range of A=438 to 445 Hz. This setting will be lost when the power is turned off, and will be reset to A=440 Hz when the power is next turned on.



The tuner will not operate when Rhythm is on.

When you select a program, bypass / mute will be canceled

5. Cabinet resonator (CR)

CR simulates the acoustical characteristics of four types of guitar amp cabinets. Press the CR button to edit the cabinet resonator setting in the edit mode.

- **Enter button:** turn the effect on/off (the display reads "FX ON" or "FX OFF")
- **+/- button:** amp type
- **△/▽ button:** amp characteristics (strength of resonance)

The LCD character will also change according to the amp type.

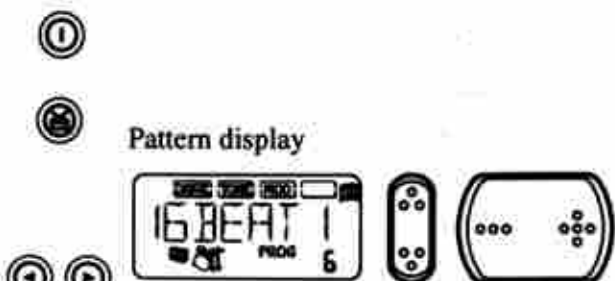


6. Rhythm

Pressing the Rhythm button turns the rhythm on/off.

The bar graph display will change according to the pattern and tempo. When rhythm is on, you can use the following operations to modify parameters. Even while the rhythm is sounding, you can use the +/- button to change the effect program.

- **△/▽ button:** change the pattern (32 + metronome)
change tempo (40 ~ 208)
change level (0 ~ 30)
- **◀ ▶ button:** select parameters



7. Aux In Effect

Pressing the Aux In Effect button allows you to apply pitch shifting (PS) to the CD or cassette tape connected to Aux In, or to cancel (CC) the guitar or vocal sound in the center of the stereo sound field.

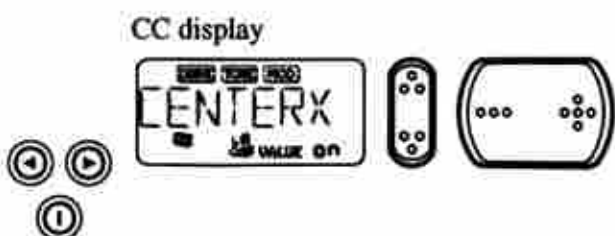
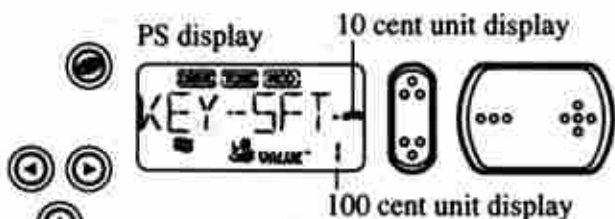
- **Enter button:** turn PS and CC on/off
- **+/- button:** change effect programs
- **△/▽ button:** adjust the pitch shift
- **◀ ▶ button:** switch between PS and CC displays

The adjustable range of the PS key is +/-1 octave.

The pitch can be raised in 10 cent steps for the first 3 semitones upward, and in 100 cent steps thereafter.

The pitch can be lowered in 10 cent steps for the first semitone downward, and in 100 cent steps thereafter.

When PS is off, the VALUE display will be --, and if CC is also off, the sound from Aux In will be output in stereo.



When the PS and CC functions are used, the output of Aux In will be monaural. Also, while PS and CC are operating, turning the rhythm on will automatically turn off the PS and CC functions.

When the PS function is turned on, AMB will automatically be turned off if it is turned on in the program. Depending on the input source, the CC function may not perform as desired (monaural recordings, special effect recordings etc.).

Edit mode

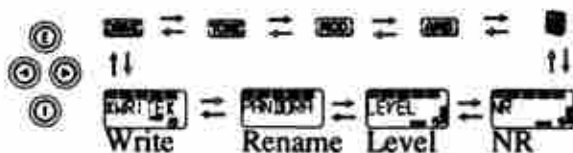
Press the Edit button. Now you can turn the various effects on/off, and edit settings for type, value, and cabinet resonator, etc.



In Edit mode, you can turn on bypass or muting, but editing cannot be performed while these are on. You must defeat bypass or muting before you edit.

1. Selecting a parameter to edit

Use the ◀ ▶ buttons to select the parameter that you wish to edit. Pressing the ◀ ▶ buttons will cycle through the parameters in the following order.



The currently selected parameter will blink. Parameters which are turned off cannot be edited. To edit an effect which is turned off, use the ◀ ▶ buttons to select it and press the Enter key to turn the effect on.

2. Editing effect parameters

Use the following buttons to edit each effect; drive (DRIVE), tone (TONE), modulation (MOD), and ambience (AMB). The effect parameter chart lists the parameters (for each effect) that can be adjusted.

1) Drive (DRIVE): These are effects such as compressor, overdrive and distortion, used mainly to modify the gain of a guitar.

● Enter button: turn the effect on/off (display is either "FX ON" or "FX OFF")

● +/− button: switch effect types

● Δ/▽ button: value (effect depth)



2) Tone (TONE): This adjusts the tone of the guitar.

● Enter button: turn the effect on/off (display is either "FX ON" or "FX OFF")

● +/− button: Hi value (high range tone)

● Δ/▽ button: Low value (low range tone)



3) Modulation (MOD): This provides modulation-type effects such as chorus, flanger, and phaser.

● Enter button: turn the effect on/off (display is either "FX ON" or "FX OFF")

● +/− button: switch effect types

● Δ/▽ button: value (effect depth)



4) Ambience (AMB): This provides reverberation-type effects such as delay, echo and reverb, and a pitch shifter.

● Enter button: turn the effect on/off (display is either "FX ON" or "FX OFF")

● +/− button: switch effect types

● Δ/▽ button: value (effect depth)



It is not possible to simultaneously use the ROOM, HALL, or PITCH effect of the ambience group (AMB) together with the modulation (MOD) group effects. For example if ambience (AMB) ROOM, HALL, or PITCH is on, turning on a modulation (MOD) effect will turn off the ambience (AMB) effect.

3. Cabinet resonator (CR)

You can edit in the same way as when this is selected by the CR button. (P.6)

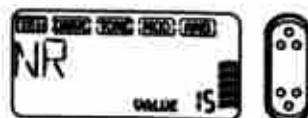
● Enter button: turn the effect on/off (display is either "FX ON" or "FX OFF")

● +/− button: cabinet type

● Δ/▽ button: strength of resonance

4.NR(Noise Reduction)

Select the strength of the Noise Reduction(Divied) effect.As this value is raised, the noise-reducing effect will become stronger. Normally, you should raise this to the level at which noise is not noticeable when the strings of the guitar are lightly muted.



- Δ/∇ button: NR value (depth)

5.Level

Specify the level of each program.

Depending on the DRIVE and TONE settings, the output sound may distort (clip), so make adjustments so that distortion is not caused by this setting.



- Δ/∇ button: level value



The volume of each program will change depending on the guitar that you use. Make level settings as appropriate for your guitar.

6.Rename

You can modify the name of the program (7 characters).

- +/− buttons: move to the location that you wish to change
- Δ/∇ button: change the character

The following characters can be used:

space, 0 - 9, A - Z, " , ' , * , + , - , /



7. Write

When you press the Enter button, the edited program will be written. When writing is completed, the display will indicate "COMPLT" for approximately 1 second. If you decide not to write, press the $\leftarrow \rightarrow$ button to select another parameter page, and the Write operation will be canceled. You can also exchange an edited program with another program.

- Enter button: write
- Δ/∇ button: select a program number



Other functions

Battery low indicator()

When the battery capacity diminishes, a low battery indication will appear, and the display indicating the battery level will blink. If this display appears, exchange batteries as soon as possible. The unit can be used for approximately 20 minutes after the battery empty indicator appears. Programs etc. will not be lost even if the batteries are removed.



Batteries which have run down must be removed from PANDORA immediately. If such batteries are left in, they could leak and damage PANDORA.

Reloading the preset programs (factory programs)

Turn on the power while simultaneously pressing the Rhythm button and the Enter button. The display will ask "RELOAD?" Press the + button and the preset programs will be loaded (the display will indicate "RELOAD"), and then the power-on display will appear.

If you press the ∇ button, reloading will not take place, and the program will start up as usual.



Be aware that if you load the preset programs, all previous program settings will be lost.

Troubleshooting

If you suspect that there may be some problem with operation, check the following points. If this does not resolve the problem, consult your dealer or a Korg service station.

1. Power does not turn on.

- * Are batteries inserted?
Alternatively, is the AC adapter connected to an AC outlet?

2. No sound.

- * Are the guitar, amp, and headphones connected respectively to the appropriate jack?
- * Is the amp power turned on and is it set correctly?
- * Are the connecting cables broken?
 - If there is sound in the headphones, there is a problem with the connections after PANDORA.
- * Is the master level set to "0" or a low value?
- * Is the level (of each program) set to "0" or a low value?
- * Is the unit muted (the chain display **DRIVE** **TOBE** **MOD** **AMB** blinking rapidly)?
 - Be aware that if all effects are off, the chain display will disappear, and it will not be possible to distinguish Bypass or Mute from the LCD display.
- * Is the guitar volume turned down?

3. The volume of the device connected to Aux In is too loud (or too soft).

- Adjust the output level of the connected device.
- Make connections from the headphone jack of the device that you wish to mix.

4. No effects.

- * Is the unit bypassed (the chain display **DRIVE** **TOBE** **MOD** **AMB** blinking slowly)?
- * Are the effects used by the program turned on?







5. Tuner does not work.

- * Are you in Play mode and Bypassed or Muted?
 - In Play mode, select Bypass or Mute.

RHYTHM PATARN LIST

No.	Rhythm Name	No.	Rhythm Name	No.	Rhythm Name
—	METRONM	11	3 / 4	22	SURF
1	8 BEAT 1	12	3 / 4 SHFL	23	COUNTRY
2	8 BEAT 2	13	6 / 8 BAL	24	BOSSA
3	8 BEAT 3	14	EURO	25	SAMBA
4	8 BEAT 4	15	DANCE 1	26	BEGUINE
5	8 SHUFL	16	DANCE 2	27	ZOSO
6	16 BEAT 1	17	FUNK	28	WALK
7	16 BEAT 2	18	JAZZ 1	29	THRASH
8	16 BEAT 3	19	JAZZ 2	30	ROSANNA
9	16 BEAT 4	20	BLUES	31	TAKE 5
10	16 SHUFL	21	MOTOWN	32	ONDO

Effect parameters

	TYPE (+, - buttons)		VALUE (Δ, ▽ buttons)
DRIVE	COMP	compressor	set the strength of the compressor effect
	CRUNCH	mild overdrive	drive amount
	SCREAM	overdrive with an edge	
	TUBE	vintage-type overdrive	
	HOTBOX	distortion with many mid-range overtones	
	HIGAIN	high-gain type distortion	
	VALVE	high-gain distortion of a vintage amp	
	CRUSH	smooth and sustaining distortion	
SCOOP	mid scooped-type distortion		
TONE	HI (high range) equalizer gain setting		LOW (low range) equalizer gain setting
MOD	CHORUS1	chorus with triangle-wave LFO	set the speed of modulation
	CHORUS2	chorus with sine-wave LFO	
	CHORUS3	chorus with effect sound output at left and direct sound at right	
	CHORUS4	doubling chorus	
	FLANGE1/2/3	flanger * FLAN 1,2,3 differ in the amount of feedback	
	FLANGE4	flanger with inverted-phase feedback	
	VIB	vibrato with cyclic change in pitch	set the depth of modulation
	DLYVIB 1/2/3	delayed vibrato where the effect is applied after a delay for sustained notes * VIB 1,2,3 differ in the time until the vibrato starts	
	PHASER1	vintage-type phaser	set the speed of modulation
	PHASER2	phaser with strong peak	
	PHASER3	PHAS1 with inverted feedback	
	PHASER4	PHAS2 with inverted feedback	
	TREM1	light tremolo (LFO= )	
	TREM2	deep tremolo (LFO= )	
	TREM3	fairly light tremolo (LFO= )	
	TREM4	fairly deep tremolo (LFO= )	
	PAN1	auto-pan (LFO= )	set the speed of modulation
	PAN2	auto-pan (LFO= )	
	AWAH1	auto-wah with fast attack	set the sensitivity of auto-wah
	AWAH2	auto-wah with slow attack	
AWAH3	auto-wah with fast attack and filter moving in opposite direction		
AWAH4	auto-wah with slow attack and filter moving in opposite direction		
WAH	wah-wah with fixed pedal	set the fixed frequency	
RANDOM 1/2/3/4	random step filter with randomly moving filter * For RNDM 1,2,3,4 the filter will move in different frequency bands	set the speed of modulation	
AMB	DELAY1	ambient delay broadening to left and right when used in stereo	set the effect level
	DELAY2	doubling delay	
	DELAY3	short delay	
	DELAY4	medium delay	
	DELAY5	medium long delay	
	DELAY6	long delay	
	ECHO1	short delay with feedback	
	ECHO2	medium delay with feedback	
	ECHO3	medium long delay with feedback	
	ECHO4	long delay with feedback	
	ECHO5	ping-pong delay 1	
	ECHO6	ping-pong delay 2	
	ROOM	room-type reverb	
	HALL	hall-type reverb	
	PITCH1/2/3	pitch shifter* PITCH 1,2,3, differ in the level of the effect sound	set the pitch interval
	PITCH4	pitch shifter with effect sound and dry sound split left/right	
	PITCH5/6/7/8	PITCH 1 ~ 4 with stereo delay	
CABINET RESONATOR	COMBO 1	simulation of mid-size combo amp with resonant point in the high mid-range	set the strength of resonance
	STACK 1	simulation of large scooped-type amp stack	
	COMBO 2	simulation of mid-size combo amp with resonant point in the low mid-range	
	STACK 2	simulation of large amp stack with resonant point in the mid-range	

PRESET PROGRAMS PARAMETERS LIST

No.	program name	DRIVE	Value	TONE			MOD	Value	AMB	Value	CR	Value	NR	Level	
1	AIR	COMP	15	Low	5	Hi	5	CHORUS1	15	ECHO6	20	OFF	8	20	
2	TREMOR	COMP	5	Low	7	Hi	7	TREM2	20	OFF		OFF	8	20	
3	FUNKY	COMP	14	Low	10	Hi	8	AWAH2	13	ECHO1	20	STACK1	5	8	24
4	MURKY	COMP	1	Low	-3	Hi	0	PHASER1	4	DELAY1	15	STACK1	5	8	28
5	OASIS	SCREAM	17	Low	5	Hi	6	OFF		ROOM	14	COMBO1	1	14	25
6	BLUZMAN	CRUNCH	10	Low	12	Hi	9	CHORUS4	4	OFF		COMBO1	1	14	21
7	AMBIOD	CRUNCH	22	Low	6	Hi	9	OFF		ROOM	16	STACK1	5	14	20
8	HONEY	SCREAM	23	Low	7	Hi	10	OFF		DELAY1	18	COMBO1	1	14	23
9	BUSH	VALVE	10	Low	9	Hi	12	CHORUS4	2	ECHO2	14	COMBO1	1	14	18
10	GARDEN	VALVE	20	Low	5	Hi	15	OFF		DELAY1	26	STACK1	5	18	18
11	MAD MAN	HIGAIN	30	Low	15	Hi	14	OFF		ROOM	14	STACK1	5	18	20
12	FILTH	SCOOP	30	Low	9	Hi	7	OFF		DELAY1	25	COMBO1	1	18	20
13	STP MOD	VALVE	7	Low	4	Hi	8	VIB	19	DELAY2	23	STACK1	5	14	18
14	HAMSTER	TUBE	17	Low	12	Hi	9	CHORUS3	28	DELAY3	22	COMBO1	5	14	20
15	REDHOUS	SCREAM	20	Low	11	Hi	7	OFF		DELAY3	30	STACK2	5	14	18
16	PILOTS	VALVE	17	Low	4	Hi	8	CHORUS1	6	DELAY1	30	STACK1	5	14	14
17	MONSTA	CRUSH	30	Low	3	Hi	2	OFF		PITCH7	-5	STACK2	5	18	17
18	GARGLE	HOTBOX	30	Low	2	Hi	3	PHASER3	18	ECHO3	20	COMBO1	1	18	16
19	RANDOM	SCREAM	30	Low	9	Hi	12	RANDOM2	1	ECHO2	16	COMBO1	1	14	18
20	EDGE	COMP	10	Low	10	Hi	11	DLYVIB2	9	ECHO6	29	OFF	8	18	
21	CHUNKY	COMP	13	Low	10	Hi	2	CHORUS4	13	DELAY1	30	OFF	8	14	
22	RASTA	COMP	20	OFF				OFF		ECHO1	25	OFF	8	20	
23	TWANG	COMP	12	Low	0	Hi	5	OFF		ROOM	17	OFF	8	20	
24	RUSH	COMP	16	Low	13	Hi	10	CHORUS4	20	DELAY3	20	OFF	8	18	
25	PLEXI	SCREAM	9	Low	13	Hi	8	OFF		ROOM	14	STACK1	5	14	21
26	SOULMAN	CRUNCH	16	Low	3	Hi	3	CHORUS3	1	DELAY1	24	COMBO1	1	14	16
27	MR-SG	TUBE	29	Low	8	Hi	7	OFF		HALL	8	STACK1	5	14	20
28	ZOSO	CRUNCH	30	Low	5	Hi	3	OFF		ECHO2	17	COMBO1	1	14	20
29	PUMPKIN	HOTBOX	21	Low	11	Hi	5	OFF		DELAY1	27	COMBO1	1	18	15
30	BURN	CRUSH	30	Low	4	Hi	3	OFF		ECHO3	15	COMBO1	1	18	20
31	SLANG	HIGAIN	30	Low	15	Hi	5	OFF		DELAY1	27	COMBO1	1	18	18
32	LOAD	CRUSH	30	Low	13	Hi	8	OFF		DELAY1	20	STACK1	5	18	20
33	TATOO	HOTBOX	28	Low	7	Hi	-2	CHORUS1	5	ECHO3	26	STACK2	5	18	16
34	SATCH	CRUSH	30	Low	6	Hi	0	AWAH1	9	DELAY4	20	COMBO2	5	18	24
35	SESSION	SCREAM	30	Low	5	Hi	12	CHORUS4	6	DELAY5	16	STACK1	5	14	15
36	VIKING	HOTBOX	30	Low	15	Hi	10	OFF		ECHO6	20	STACK1	5	18	16
37	VIOLIN	VALVE	20	Low	5	Hi	2	OFF		ECHO3	30	COMBO2	5	14	18
38	SPHERE	COMP	12	Low	0	Hi	5	PAN2	24	ECHO5	23	OFF	8	18	