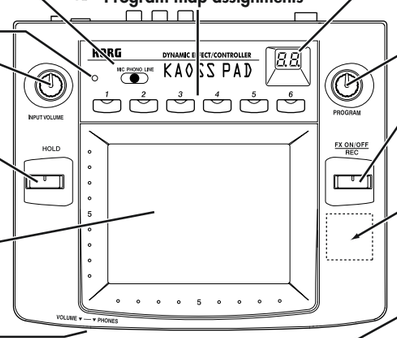
KAOSS PAD OWNER'S MANUAL

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Introduction

Thank you for purchasing the **Korg KAOSS PAD Dynamic Effect/Controller**. In order to enjoy long and trouble-free use, please read this manual carefully and use the **KAOSS PAD** correctly. Please keep this manual for future reference.

Control and Connection



INPUT SELECT switch
MIC: The effect will apply to the **MIC** input.
PHONO: The effect will apply to the **PHONO** inputs.
LINE: The effect will apply to the **LINE IN** inputs.

Peak indicator

INPUT VOLUME knob
This knob adjusts the sensitivity of the input sound. Adjust the knob so that the peak indicator does not light red.

HOLD switch
When this switch is ON, the current state of the effect will be maintained even if you remove your finger from the touch panel.

Touch panel
You can control the sound by using your finger to rub or tap (strike lightly) this panel.
Affix the included protective label.

PHONES jack, PHONES VOLUME knob

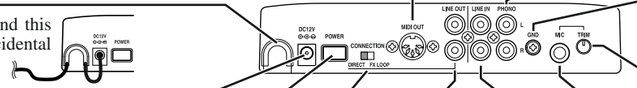
PROGRAM MAP keys (1–6)
You can assign programs to keys 1–6 for convenient selection.
☞ "**Program map assignments**"

PROGRAM/LOCATION display
This shows the currently selected program number, and the location of the point that you touched on the touch panel.
☞ "**About the PROGRAM/LOCATION display**"

PROGRAM knob
Use this knob to select programs (**1–60**).

FX ON/OFF / REC switch
This is used to switch between the effect sound and the direct (unprocessed) sound, or to record a phrase. ☞ "**Sample/play effect**"

If you affix the included Preset guide label program selection will be convenient.



Cable hook
Loop the cable around this hook to prevent accidental disconnection.

DC IN jack
Connect the included AC adaptor (DC12 V 700 mA ⊕-●-⊖) to this jack.

MIDI OUT connector

POWER switch

CONNECTION switch
Normally you will set this in the **DIRECT** position. If you are using the **KAOSS PAD** in the send/return loop of your mixer, set this to **FX LOOP**, so that the original (unprocessed) portion of the sound will not be output. When you use programs 1–10 for **FX LOOP**, please turn off the direct signal of the mixer.

LINE OUT jacks
Connect these jacks to your mixer or audio system.

PHONO input jacks
A record turntable can be connected to these jacks.

GND (ground) terminal
Connect this to the ground terminal of your record turntable.

TRIM
Adjust this as appropriate for the sensitivity of your mic, so that distortion does not occur.

MIC input jack
A mic can be connected to this jack.

LINE IN (input) jacks
A CD player etc. can be connected to these jacks. Use the **LINE IN L** jack for a monaural connection.

Program map assignments

① **Press one of the PROGRAM MAP keys.**

② **Use the PROGRAM knob to select the program that you wish to assign.**
If you wish to memorize the HOLD setting, turn the HOLD switch to ON after selecting the program, and touch the touch panel to specify the position.

③ **Press and hold the PROGRAM MAP key you pressed in step ① for approximately two seconds.**

Handling the touch panel

Never press down too hard on the touch panel, or place a heavy object on it. Rough handling can cause it to crack or break. Rubbing or pressing the touch panel with a sharp object can scratch it, so only use your finger to operate it. If cleaning is necessary, wipe only with a soft dry cloth. Using solvents such as thinner may melt the surface of the touch panel.

About the PROGRAM/LOCATION display

When selecting a program: the program number (**1–60**) will be displayed.
When operating the touch panel: the position you touched (**1.1–9.9**, with **5.5** being the center) will be displayed.

Example display

3.8 — vertical position (**1–9**)
└— horizontal position (**1–9**)

If you select a program that has a Hold On setting, the program number will be displayed, and then the position that is being held will be displayed.

Sample/play effect

These effects let you record a phrase that you hear, and then play it back by operating the touch panel.

Use the following procedure to record and playback.

① **Using the PROGRAM knob or the PROGRAM MAP keys, select a sample/play effect (program numbers 51–60).**
The REC switch LED will blink, and the **KAOSS PAD** will be in record-ready mode. At this time, the sound will be output without any change.

② **Press the REC switch to begin recording.**

③ **Press the REC switch once again to stop recording.**
The REC switch LED will light.
Even if you do not press the REC switch, recording will end automatically when the maximum recording time has elapsed. (The maximum recording time will depend on the program.)

④ **Operate the touch panel to playback the recorded phrase.**
The sound will change depending on the position where you touch the panel. The way in which the sound changes will depend on the program.

⑤ **To re-record, press the REC switch again.**
The previously-recorded phrase will be erased, and a new phrase will be recorded.

If you turn off the power switch or change programs, the recorded phrase will be erased.

MIDI functions

With the factory settings, each operation will transmit the following MIDI messages.

Operation	MIDI messages transmitted		Transmission on/off
Touch panel X-axis	Pitch bend messages	En 00 00–En 7F 7F	PROGRAM MAP1
	Effect Control 1 message (CC#12)*	Bn 0C 00–Bn 0C 7F	PROGRAM MAP5
Touch panel Y-axis	Modulation 1 Depth message (CC#1) Y = 5–9	Bn 01 00–Bn 01 7F	PROGRAM MAP2
	Modulation 2 Depth message (CC#2) Y = 5–1	Bn 02 00–Bn 02 7F	PROGRAM MAP3
	Effect Control 2 message (CC#13)*	Bn 0D 00–Bn 0D 7F	PROGRAM MAP6
Touch panel X+Y axis (diagonal)	Effect 3 Depth message (CC#93)*	Bn 5D 00–Bn 5D 7F	PROGRAM MAP4
Touch panel on/off	Effect 2 Depth message (CC#92)*	Bn 5C 7F/Bn 5C 00	HOLD switch
FX ON/OFF	Effect 4 Depth message (CC#94)*	Bn 5E 7F/Bn 5E 00	FX ON/OFF
Change Program	Program Change message (1–60)	Cn 00–Cn 38	———

n: MIDI channel (default setting: ch.1)

* The MIDI messages that are transmitted can be selected in the range of **CC#1–CC#31** and **CC#64–CC#95**. In MIDI Edit mode (☞ "**MIDI transmission settings**") you can hold down the corresponding switch and rotate the PROGRAM knob to select the desired control number.

A control number that has already been assigned cannot be selected in duplicate.

MIDI transmission settings

When you press the six PROGRAM MAP keys simultaneously, you will enter MIDI Edit mode. If you then perform no operation for approximately 10 seconds or if you touch the touch panel, you will return to normal mode.
In MIDI Edit mode, you can use the following operations to change the MIDI transmission settings.

- **PROGRAM knob**: Set the MIDI transmission channel (**1–16**)
- **PROGRAM MAP keys**, **FX ON/OFF**, **HOLD switches**: Turn transmission on/off for each type of MIDI message (refer to "**Transmission on/off**" in the above table).

Effect program control parameter list

NO.	EFFECT	X (horizontal position)	Y [-Y, +Y] (vertical position)	Comment
1	LOW PASS FILTER	FREQ	DI/FX BALANCE, RESONANCE	Rub slowly
2	LOW PASS FILTER	FREQ	RESONANCE	Rub slowly
3	WAH FILTER	FREQ	DI/FX BALANCE, LFO DEPTH	Rub slowly
4	DIST+VOICE FILTER	FREQ	DIST GAIN	Rub fast with beat
5	DIST+L.P FILTER	FREQ	DIST GAIN	Rub fast with beat
6	DIST+L.P FILTER	FREQ	RESONANCE	Good for voice (Mic)
7	PAN+FILTER	PAN	FREQ	Rub (1.1 <–> 9.9)
8	DIST+FILTER	FREQ	FX BALANCE, DIST GAIN	Rub fast with beat
9	ISOLATOR TYPE FILTER	FREQ	NO ASSIGN	For "Bass Cut"
10	DISTORTION	GAIN	LEVEL	For "HOLD" use
11	PHASER	FREQ (MANUAL)	DI/FX BALANCE, RESONANCE	Rub slowly
12	PHASER	LFO SPEED	FREQ (MANUAL)	Rub slowly
13	LFO WAH	LFO SPEED	FX BALANCE	Rub fast with beat
14	STEP PHASER	LFO SPEED	MOD STEP	Rub slowly
15	DIST+PHASER	LFO SPEED	DIST GAIN	Rub slowly
16	MANUAL FLANGER	DELAY TIME	RESONANCE	Rub very slowly (L <–> R)
17	MANUAL FLANGER	DELAY TIME	RESONANCE	Rub very slowly (L <–> R)
18	PITCH SHIFT	Lch PITCH	Rch PITCH	Rub
19	TREMOLO	LFO SPEED	LFO DEPTH	Rub
20	STEP PHASER	LFO SPEED	RESONANCE	Rub slowly
21	TAPE ECHO	TIME	FX LEVEL, FEEDBACK	Rub (Bottom <–> Top)
22	DELAY	TIME	FX LEVEL	Tap with snare drum
23	DELAY	TIME	FX LEVEL, FEEDBACK	Rub
24	STEREO TAPE ECHO	TIME	FREQ	Rub or tap
25	MEDIUM DELAY	FEEDBACK	FX LEVEL	Rub fast
26	LONG DELAY	FEEDBACK	FX LEVEL	Rub fast
27	X DELAY	FEEDBACK	FX LEVEL	Rub or tap
28	TALK FILTER+DELAY	FILTER FREQ	DELAY LEVEL	Rub with beat
29	DIST+FILTER+DELAY	FREQ	DELAY LEVEL	Rub with beat
30	DELAY+FILTER FOR DUB	TIME	FREQ	Rub or tap
31	REVERB (HALL)	LOW CUT	FX LEVEL	Tap with snare drum
32	GATE REVERB (HALL)	LOW CUT	FX LEVEL	Tap with snare drum
33	REVERB (PLATE)	LOW CUT	FX LEVEL	Tap with snare drum
34	GATE REVERB (ROOM)	LOW CUT	FX LEVEL	Tap with snare drum
35	DELAY+REVERB	DELAY LEVEL	REVERB LEVEL	For "HOLD" use
36	DELAY+REVERB	DELAY TIME	FX LEVEL	For "HOLD" use
37	TALK FILTER+REVERB	FILTER FREQ	FX LEVEL	Rub fast with beat
38	DIST+FILTER+REVERB	FILTER FREQ	REV LEVEL+RESONANCE	Tap with snare drum
39	REVERB+PAN	PAN	FX LEVEL	Rub for panning
40	REVERB	REVERB TIME	FX LEVEL	For "HOLD" use
41	STEP MODULATION	MOD DEPTH	FX LEVEL	Rub slowly
42	RING MOD+FILTER	RING FREQ	FILTER FREQ	Tap at random
43	RING+TALK MOD	MOD SPEED	RING FREQ	As you like
44	SPECIAL ECHO	TIME	FX LEVEL	Rub at random
45	RING+DELAY	TIME	RING+DELAY BALANCE	Rub at random
46	DELAY+TREMOLO	TIME+LFO SPEED	DLY+TREM X-FADE	Rub in circle
47	3D PAN	PAN (L/R)	NEAR/FAR	Rub for panning
48	VIBRATE	SPEED+DEPTH	FX BALANCE	Rub (Bottom <–> Top)
49	STEP FLANGER	FREQ (MANUAL)	FEEDBACK	Rub slowly
50	STEP PHASER	LFO SPEED	FX LEVEL	Rub slowly
51	SAMPLE/PLAY1	LOOP TIME	FX LEVEL	Tap for playback
52	SAMPLE/PLAY2	FORWARD/REVERSE	FX LEVEL	Rub like scratch
53	SAMPLE/PLAY3	TIME STRETCH	FX LEVEL	Rub for "TIME STRETCH"
54	SAMPLE/PLAY1 (*AUTO REC)	LOOP TIME	FX LEVEL	Tap for playback
55	SAMPLE/PLAY2 (*AUTO REC)	FORWARD/REVERSE	FX LEVEL	Rub like scratch
56	SAMPLE/PLAY3 (*AUTO REC)	TIME STRETCH	FX LEVEL	Rub for "TIME STRETCH"
57	SAMPLE/PLAY1 (DIRECT MIX TYPE)	LOOP TIME	FX LEVEL	Tap for playback
58	SAMPLE/PLAY2 (DIRECT MIX TYPE)	FORWARD/REVERSE	FX LEVEL	Rub like scratch
59	SAMPLE/PLAY1+PAN	PAN	LOOP TIME	Tap (L <->R)
60	SAMPLE/PLAY2+PAN	PAN	FORWARD/REVERSE	Tap (L <->R)

***AUTO REC**: After you press the REC switch, recording will begin automatically when sound is input. When you press the REC switch once again, recording will end. (This is convenient when recording your voice from a mic.)

Specifications

- **Number of programs**: 60
- **Input**
  · MIC input jack: 1/4" phone jack
  · PHONO input jack: RCA phone jack
  · LINE IN input jack: RCA phone jack
- **Output**
  · LINE OUT jack: RCA phone jack
  · PHONES OUT: stereo mini jack
- **Power supply**: DC 12 V ⊕-●-⊖
- **Dimensions (W x D x H)**: 7.99" x 6.97" x 2.30" (203 mm x 177 mm x 58.5 mm)
- **Weight**: 1.46 lbs. (660 g)
- **Included item**: AC adaptor, Protective label, Preset guide label

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

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 (for U.S.A)

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.

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).