ZOOM

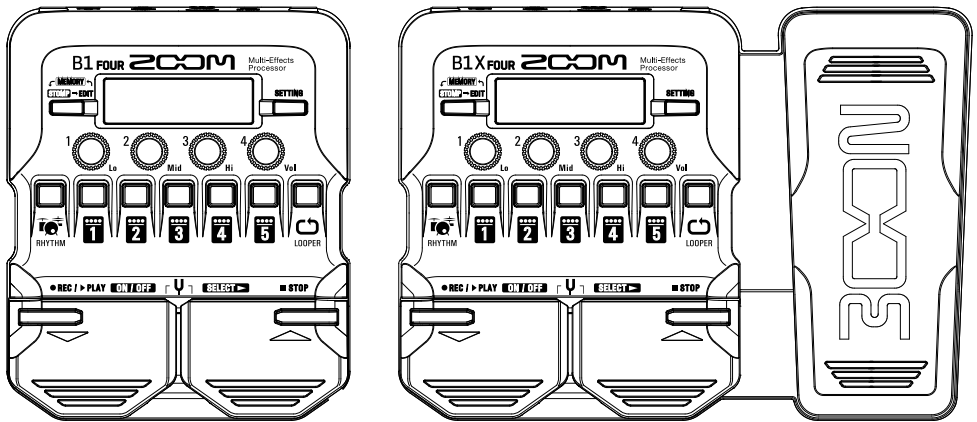# B1 FOUR / B1X FOUR

Multi-Effects Processor

Quick Guide

You must read the Usage and Safety Precautions before use.

Loading batteries

1. **Open the battery compartment cover on the bottom of the product and insert 4 AA batteries.**

NOTE

By default, ECO mode setting is ON, so the power will automatically turn off if no use occurs for 10 hours.
ECO mode can also be set to "OFF" on the SETTING screen. (→ P.10)

Connecting

1. **Minimize the volume of the bass amp.**

2. **Connect a bass to the INPUT jack.**

3. **Connect a bass amp or headphones to the OUTPUT jack.**

4. **Raise the bass amp volume.**

AC adapter

Audio device, etc.

Computer
(Mac/Windows)
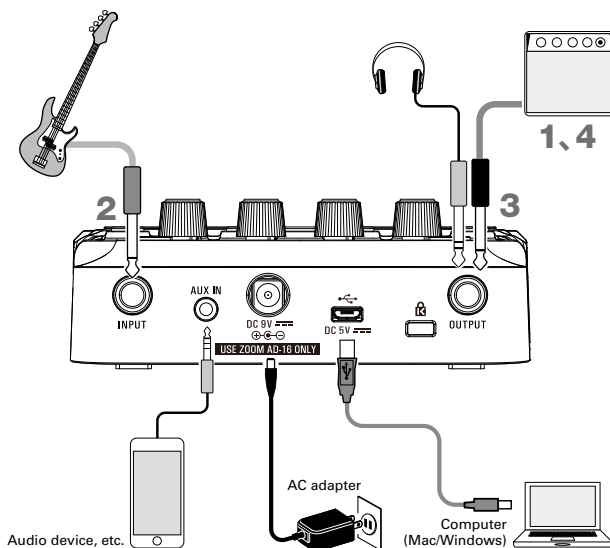
HINT

- If a dedicated AC adapter (ZOOM AD-16) is connected, it can run on AC power.
- Power for operation can also be supplied through the USB port.
- By connecting an audio device, for example to the AUX IN jack, you can play along with another sound source.

Using the Mac/Windows Guitar Lab application, you can manage patches and edit and add effects.

Selecting patches (MEMORY mode)

The B1 FOUR/B1X FOUR is preloaded with 50 patches.
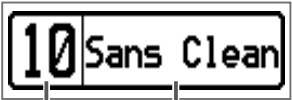Select patches to use in MEMORY mode.

• Patches

These store effect ON/OFF states and parameter setting values. Effects are saved and recalled in units of patches.

• Banks

These are groups of 10 patches.

The MEMORY mode screen opens when the B1 FOUR/B1X FOUR starts up.

Patch number   Patch name

■ **Switching patches**

- Press [⌃].
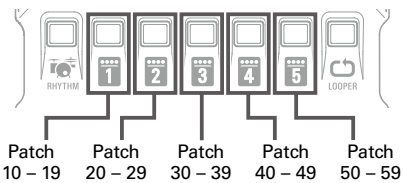
  This switches to the higher-numbered patch.

- Press [⌄].

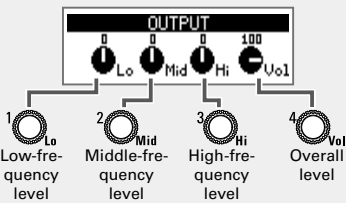 This switches to the lower-numbered patch.

■ **Switching banks**

- Press **1** – **5**.

  The LED for the selected bank lights.

| Patch 10 – 19 | Patch 20 – 29 | Patch 30 – 39 | Patch 40 – 49 | Patch 50 – 59 |

Adjusting the overall audio character and output level

In MEMORY mode, turn ¹○ Lo – ⁴○ Vol to adjust the overall audio character and output level of the B1 FOUR/B1X FOUR.

¹ Lo — Low-frequency level
² Mid — Middle-frequency level
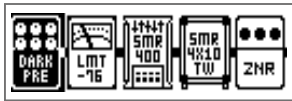³ Hi — High-frequency level
⁴ Vol — Overall level

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Turning effects ON/OFF (STOMP mode)

In STOMP mode, you can use the footswitches to turn ON/OFF each of the effects used in the patch.
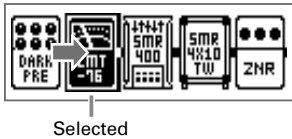
1. **Activate STOMP mode.**

• Press ⌐MEMORY⌐ STOMP→EDIT.

2. **Select an effect.**

• Press SELECT ⇒.

The selection moves to the right.

Selected

3. **Turn the effect ON/OFF.**

• Press ON / OFF.

This turns the selected effect ON/OFF.
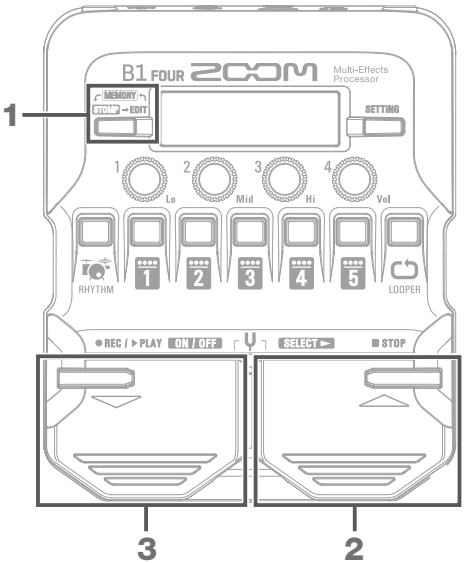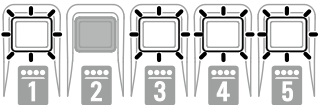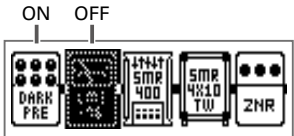
ON   OFF

HINT

You can also press the **1** – **5** that corresponds to an effect to turn it ON/OFF.

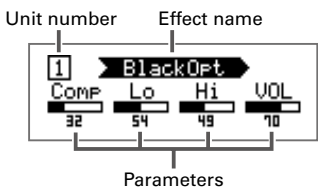1 2 3 4 5

Effect position and number
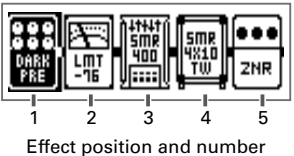
Editing effects (EDIT mode)

In EDIT mode, you can change the effects used in a patch and adjust their parameters.
Select a patch in MEMORY mode beforehand to edit it in EDIT mode.
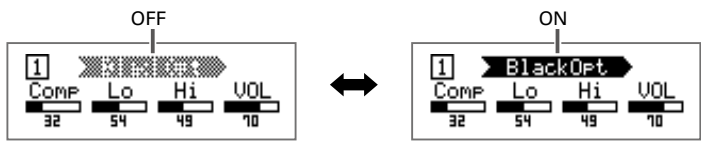
1. **Activate EDIT mode.**

• Press [MEMORY / STOMP → EDIT].

Unit number   Effect name

Parameters

2. **Select an effect to edit.**

• Press 1 – 5.

3. **Turn the effect ON/OFF.**

• Press the same 1 – 5 as in step
2 again.

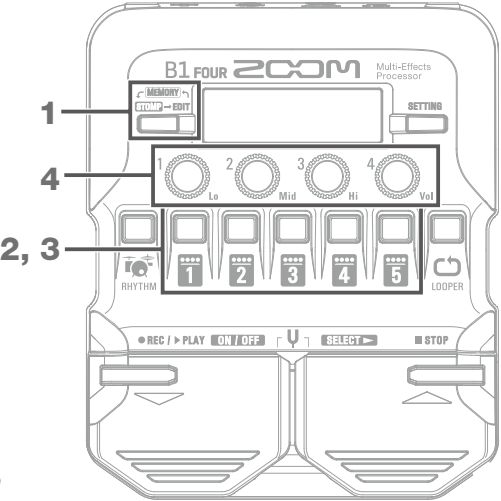OFF   ON

 ⟷

4. **Adjust the effect parameters.**
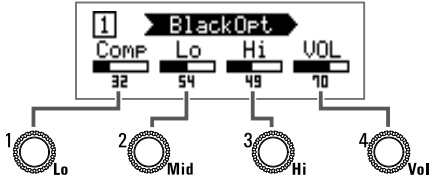
If an effect has 5 or more parameters, use Vol to change the screen.

> **NOTE**
>
> When the AUTO SAVE function is ON, changes to effects will be automatical-
> ly saved. (→ P.10)

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> **• Effect**
>
> Effects include all types of bass effects and amp/cabinet simulation models.
>
> **• Category**
>
> Effects are grouped into categories by type. When selecting effects, you can switch by category.
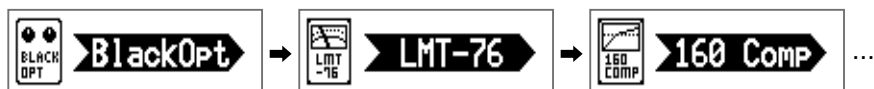
■ **Selecting effects**

• Press ⬆.

This switches to the next effect.

• Press ⬇.

This switches to the previous effect.

 ⟩BlackOpt⟩ ➡ **⟩LMT-76⟩** ➡ **⟩160 Comp⟩** ...

HINT

See Guitar Lab for the explanations of each effect.

■ **Selecting effect categories**

• While pressing ⬆, press ⬇.

After the category name appears, the effect will change to the first effect in the category.

SFX ➡ **DELAY** ➡ **REVERB** ...

HINT

Select effects in the PEDAL category on the B1XFOUR to use effects that can be controlled by the expression pedal.
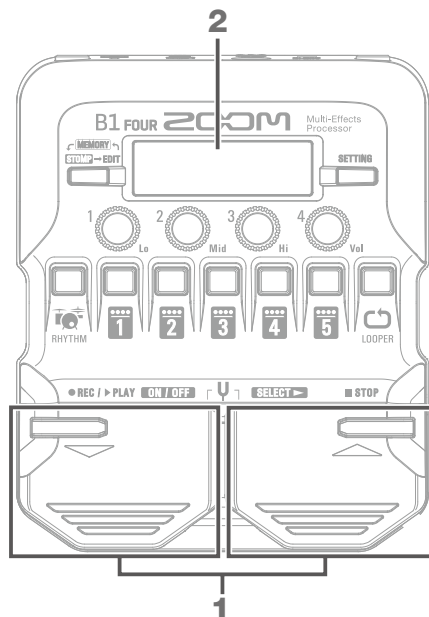
Using the tuner

Use this to tune the connected bass.

1. **Activate the tuner.**

• Press ⬆ and ⬇ at the same time.

To close the tuner, press ⬆ or ⬇ .

2. **Tune the bass.**

• Play the open string that you want to tune and adjust its pitch.

The nearest note name/string number and pitch detuning will be shown on the screen and by the LEDs.

When the pitch is accurate, the LED at the center of the meter will light green and the LEDs to the left and right will light red.

Pitch detuning

Nearest note name/string number

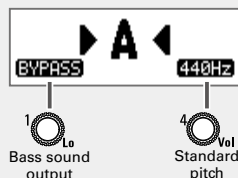← Flat In tune Sharp →

Setting the tuner

• Turn ¹🎛️Lo and ⁴🎛️Vol to set whether the bass sound is output while tuning (BYPASS/MUTE) and the standard pitch.

• Press SETTING to open the TUNER SETTING screen where you can set the tuner type and drop tunings.

Bass sound output

Standard pitch

Using rhythms

You can play along with built-in rhythms.

1. **Activate the rhythm function.**

- Press 🥁 RHYTHM.

  To return to the previous mode, press 🥁 RHYTHM.

2. **Start rhythm playback.**

- Press ▶ PLAY.

  To stop rhythm playback, press ■ STOP.

1

2
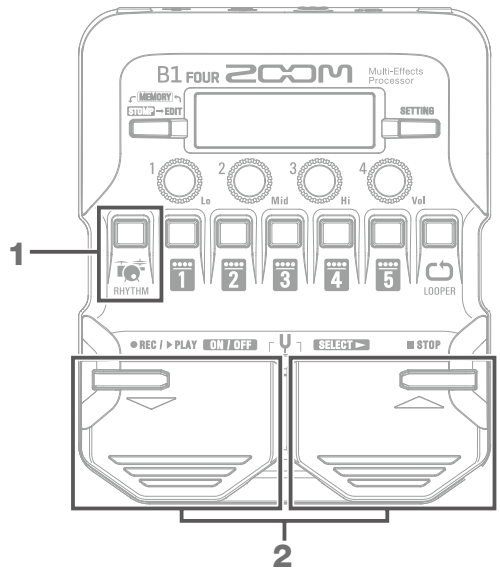
■ Rhythm patterns

No.	Name	Time Sig.
1	GUIDE	4/4
2	8Beats1	4/4
3	8Beats2	4/4
4	8Beats3	4/4
5	16Beats1	4/4
6	16Beats2	4/4
7	16Beats3	4/4
8	Rock1	4/4
9	Rock2	4/4
10	Rock3	4/4
11	ROCKABLY	4/4
12	R'n'R	4/4
13	HardRock	4/4
14	HeavyMtl	4/4
15	MtlCore	4/4
16	Punk	4/4
17	FastPunk	4/4

No.	Name	Time Sig.
18	Emo	4/4
19	TomTomBt	4/4
20	Funk1	4/4
21	Funk2	4/4
22	FunkRock	4/4
23	JazzFunk	4/4
24	R&B1	4/4
25	R&B2	4/4
26	70s Soul	4/4
27	90s Soul	4/4
28	Motown	4/4
29	HipHop	4/4
30	Disco	4/4
31	Pop	4/4
32	PopRock	4/4
33	IndiePop	4/4
34	EuroPop	4/4

No.	Name	Time Sig.
35	NewWave	4/4
36	OneDrop	4/4
37	Steppers	4/4
38	Rockers	4/4
39	Ska	4/4
40	2nd Line	4/4
41	Country	4/4
42	Shuffle1	4/4
43	Shuffle2	4/4
44	Blues1	4/4
45	Blues2	4/4
46	Jazz1	4/4
47	Jazz2	4/4
48	Fusion	4/4
49	Swing1	4/4
50	Swing2	4/4
51	Bossa1	4/4

No.	Name	Time Sig.
52	Bossa2	4/4
53	Samba1	4/4
54	Samba2	4/4
55	Breaks1	4/4
56	Breaks2	4/4
57	Breaks3	4/4
58	12/8 Grv	12/8
59	Waltz	3/4
60	JzWaltz1	3/4
61	JzWaltz2	3/4
62	CtWaltz1	3/4
63	CtWaltz2	3/4
64	5/4 Grv	5/4
65	Metro3	3/4
66	Metro4	4/4
67	Metro5	5/4
68	Metro	

Setting the rhythm

Turn ¹🎛️Lo – ⁴🎛️Vol to change the rhythm settings.

```
RHYTHM
PATTERN Count BPM VOL
8Beats1  ON  120  80
```

¹Lo	²Mid	³Hi	⁴Vol
Rhythm pattern	Pre-count ON/OFF	Tempo	Rhythm volume
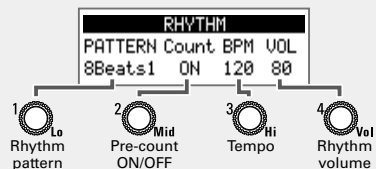
Using the looper

You can record your playing and create mono loop phrases that are up to 30 seconds long.

1. **Activate the looper.**

- Press ⟳ LOOPER.

  To return to the previous mode, press

  ⟳ LOOPER.

2. **Record a phrase.**

- Press ●REC / ▶PLAY.

  To stop recording, press ●REC / ▶PLAY.

  To cancel, press ■STOP.

3. **Play back the phrase.**

- Press ●REC / ▶PLAY.

  To stop playback, press ■STOP.

4. **Overdub the loop.**

- Press ●REC / ▶PLAY during loop playback.

  To end overdubbing (and continue playback), press ●REC / ▶PLAY.
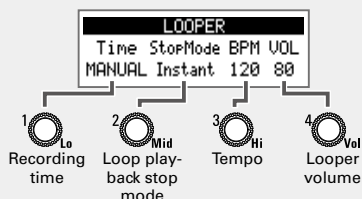
1

2, 3, 4

> **HINT**
>
> To clear the loop, you can press and hold ■STOP when loop playback is stopped.
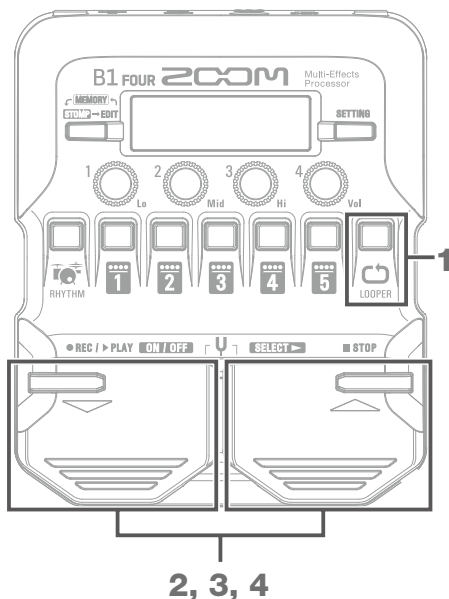

Setting the looper

- Turn ^{1}⊙Lo – ^{4}⊙Vol to change looper settings.
- Changing the recording time or tempo will clear any loop that has been recorded.

```
          LOOPER
   Time StopMode BPM VOL
   MANUAL Instant 120 80
```

^{1}⊙Lo	^{2}⊙Mid	^{3}⊙Hi	^{4}⊙Vol
Recording time	Loop playback stop mode	Tempo	Looper volume

Setting list

Press SETTING ⬚ to open the SETTING screen.

Press 1 – 5 to open the following settings, which correspond

to the icons.
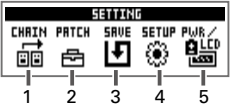
1. CHAIN (reorder effects)

Effects in the current patch are shown in a list, and can be reordered by pressing 1 – 5 for

the starting location and destination.

2. PATCH (edit patch names and adjust volume)

Item	Explanation
CHAR	Change the character at the cursor position in the patch name.
◀ ▶	Move the cursor position in the patch name.
SKIP	Change the type of character at the cursor position in the patch name.
VALUE	Adjust the patch volume.

3. SAVE (save and swap patches)

To save a patch by overwriting another patch, use ⬚, ⬚ and 1 – 5 to select the

patch number. Then, press ⬚ and ⬚ at the same time.

To swap a patch, turn 🎛 to select SWAP when conducting the procedure above.

4. SETUP (set operation functions)

Item	Explanation
BPM	Set the tempo used for the effects, rhythms and looper.
AUTO SAVE	This function can automatically save effect parameter changes when they are made. When OFF, a save confirmation screen will open whenever you switch patches.
PRESELECT	Use this function to select a non-adjacent patch and switch to it directly. Use ⬚ and ⬚ to select the patch, and press ⬚ ⬚ at the same time.
BANK HOLD	Limit to patches in the same bank when using ⬚ and ⬚ to switch patches.

5. PWR/LCD (make power and the display settings)

Item	Explanation
BATTERY	Set the type of battery used so the amount of remaining battery charge can be accurately shown.
ECO	The power can automatically turn off if no use occurs for 10 hours.
BACKLIGHT	Set how long the display backlight stays illuminated.
CONTRAST	Adjust the display contrast.

HINT

See the Operation Manual for detailed information about each setting.

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Specifications

Maximum number of simultaneous effects		5
User patches		50
Sampling frequency		44.1 kHz
A/D conversion		24-bit 128 × oversampling
D/A conversion		24-bit 128 × oversampling
Signal processing		32-bit
Display		128 × 32 dot-matrix LCD

Inputs	INPUT	Standard mono phone jack
		  Rated input level: -20 dBu
		  Input impedance (line): 470 kΩ

	AUX IN	Stereo mini jack
		  Rated input level: -10 dBu
		  Input impedance (line): 1 kΩ

Output	OUTPUT	Standard stereo phone jack (combined line/headphone)
		  Maximum output level:
		  Line +2 dBu (10 kΩ or more output impedance)
		  Headphones 17 mW + 17 mW (32 Ω load)

Input S/N		120 dB
Noise floor (residual noise)		-97 dBu
Power		AC adapter (9 V DC 500 mA, center negative) (ZOOM AD-16) 4 AA batteries (about 18 hours continuous operation time when using alkaline batteries with the LCD backlight off)
USB		USB MIDI, USB Micro-B • Power can also be supplied through the USB port. • When using a cable designed only for power, other USB functions cannot be used.
External dimensions		**B1 FOUR** 156 mm (D) × 130 mm (W) × 42 mm (H) **B1X FOUR** 156 mm (D) × 216 mm (W) × 52 mm (H)
Weight		**B1 FOUR** 340 g (excluding batteries) **B1X FOUR** 610 g (excluding batteries)

Note: 0 dBu = 0.775 V

ZOOM