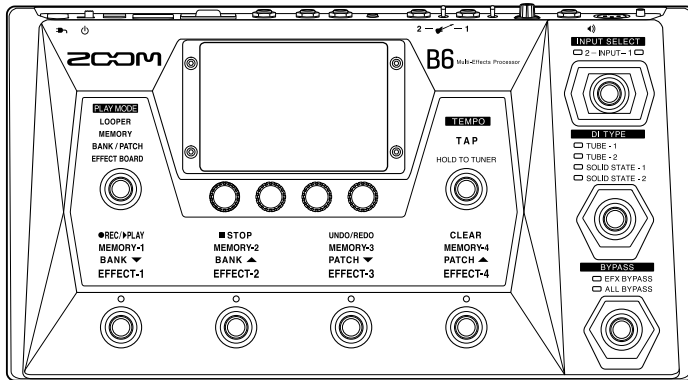# ZOOM®

B6
Multi-Effects Processor

Quick Tour

You must read the Usage and Safety Precautions before use.

The Operation Manual can be downloaded from the ZOOM website (www.zoom.jp/docs/b6).
This page has files in PDF and HTML formats.
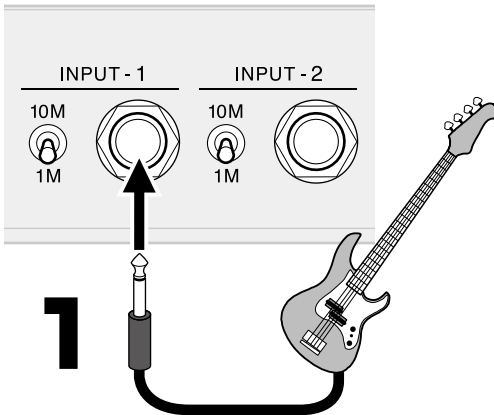The PDF file format is suitable for printing on paper and reading on a computer.
The HTML format can be read with web browsers and is designed for reading on smartphones and tablets.

Turning the power on
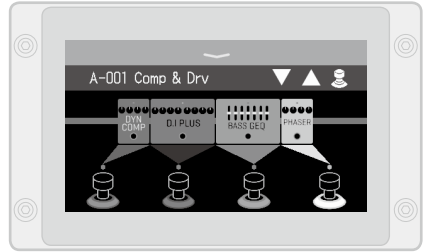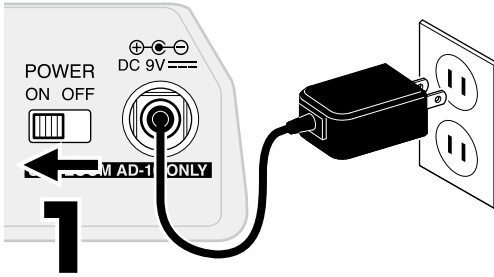
By default, ECO mode is set to ON, so the power will automatically turn off if no use occurs for 10 hours. ECO mode can also be turned OFF.
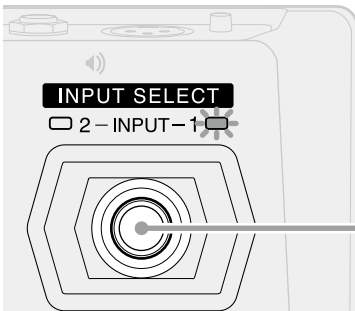
Making connections

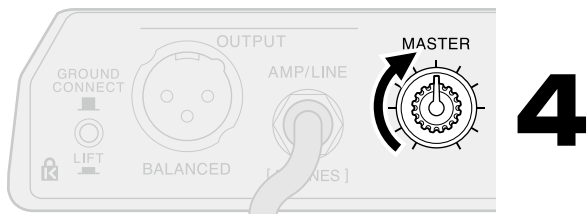| **Impedance switches**	
	Use with ordinary electric basses
	Use with acoustic basses that have piezo pickups

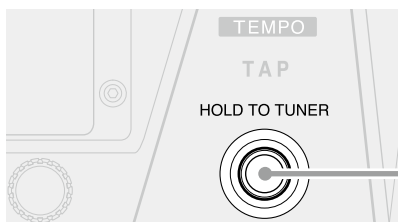Select the input channel to use.

2

OUTPUT

MASTER

GROUND
CONNECT

AMP/LINE

LIFT

BALANCED

[PHONES]

3

Headphones

Powered monitors

Bass amp

To prevent noise and malfunction, connect powered monitors and bass amps before turning the power on.

OUTPUT

MASTER

GROUND
CONNECT

AMP/LINE

LIFT

BALANCED

[...NES]

4

Tuning

TEMPO

T A P
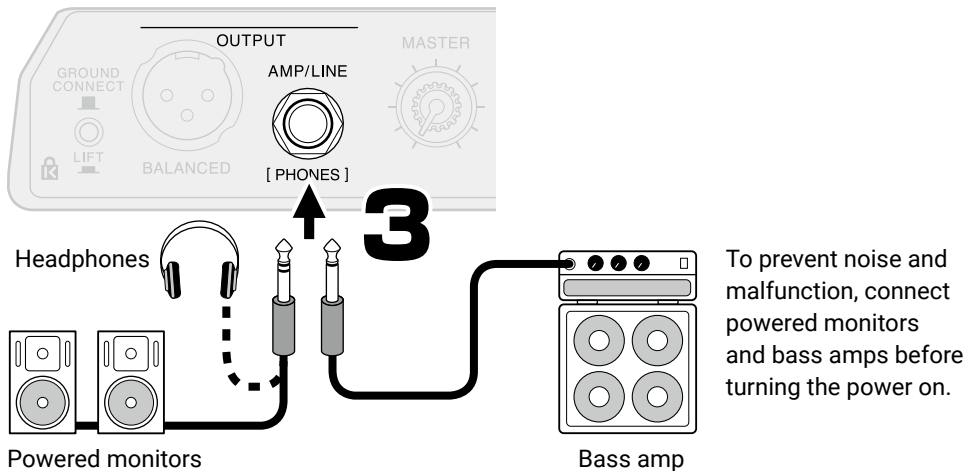
HOLD TO TUNER

1

Press and hold to activate the tuner. Press again to deactivate the tuner.

< BACK   USE TUNER

▶ **A** ◀   CHROMATIC
            440 Hz

-20   0   +20

-50   +50

- Play the open string that you want to tune.
- The nearest note name and pitch detuning will be shown.
- Tune the string so that ▶ ◀ lights green.

3

Bypassing

Adjusting the EQ and volume of a bass amp, for example, is easier if the B6 effects are bypassed.
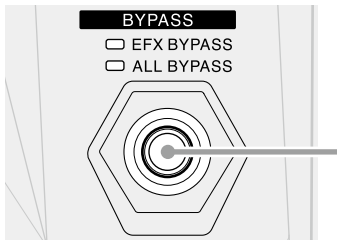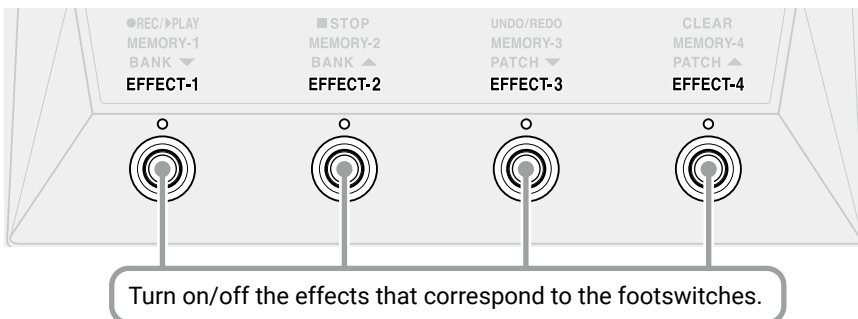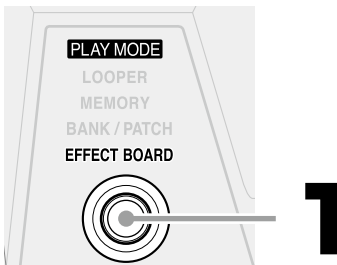
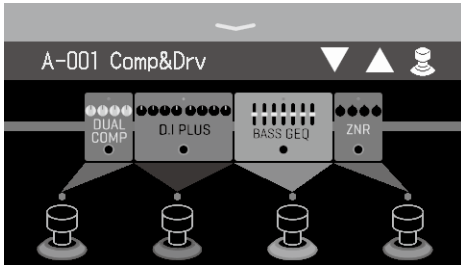| **EFX BYPASS**	This bypasses the effects section. (Only the DI section is used.)
ALL BYPASS	This bypasses everything.
Unlit	This bypasses nothing.

Selecting a PLAY MODE for the play style

The touchscreen and footswitch functions change according to the selected play mode.

EFFECT BOARD

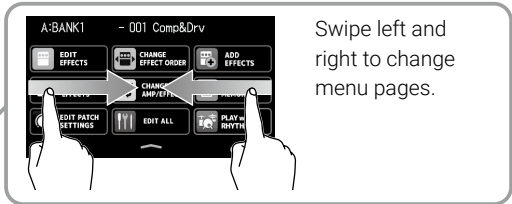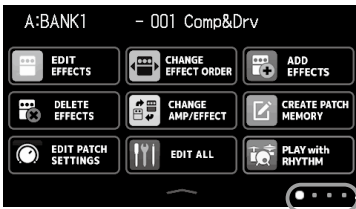This shows the effects and amp model used in the patch memory. Effects can be turned on/off with the footswitches.

Turn on/off the effects that correspond to the footswitches.

A-001 Comp&Drv ▼ ▲ ♟

DUAL COMP | D.I PLUS | BASS GEQ | ZNR

- Tap ▼ ▲ to select patch memories.
- Tap a ♟ and then tap an effect icon to assign or unassign that effect to that footswitch.

■ **Changing effect settings**

A:BANK1 ...01
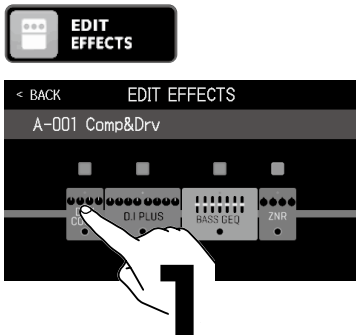Comp&D1v

Open the menu and tap the icons to change various settings.

Swipe up to close the menu.

A:BANK1 – 001 Comp&Drv

EDIT EFFECTS	CHANGE EFFECT ORDER	ADD EFFECTS
DELETE EFFECTS	CHANGE AMP/EFFECT	CREATE PATCH MEMORY
EDIT PATCH SETTINGS	EDIT ALL	PLAY with RHYTHM

A:BANK1 – 001 Comp&Drv

EDIT EFFECTS	CHANGE EFFECT ORDER	ADD EFFECTS
	CHANGE AMP/EFF	
EDIT PATCH SETTINGS	EDIT ALL	PLAY w RHYTHM

Swipe left and right to change menu pages.

■ **Adjusting effect parameters**

EDIT EFFECTS
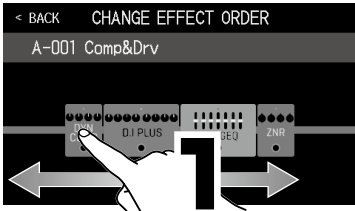
< BACK   EDIT EFFECTS

A-001 Comp&Drv

DUAL | D.I PLUS | BASS GEQ | ZNR

Adjustable parameters and current settings

< BACK   EDIT EFFECTS

A-001 Comp&Drv

DYN Comp

| Sense | ATTCK | Tone | VOL |
| 5 | SLOW | 47 | 53 |

Tap < BACK to return to the previous screen.

5

■ Reordering effects

CHANGE
EFFECT ORDER

< BACK   CHANGE EFFECT ORDER
A-001 Comp&Drv

■ Adding effects

ADD
EFFECTS

< BACK   ADD EFFECTS
A-001 Comp&Drv

< BACK   ADD EFFECTS
A-001 Comp&Drv

< BACK   Amps and Effects
BYPASS   >
DYNAMICS   >
FILTER   >
DRIVE   >
PREAMP   >

< BACK   FILTER   OK
EG FLTR   22%
Exciter   10%
BassA-Wah   8%
Z Tron   9%
A-Filter   9%
PROCESSOR 43%

■ Deleting effects

DELETE
EFFECTS

< BACK   DELETE EFFECTS
A-001 Comp&Drv

■ Replacing effects

CHANGE
AMP/EFFECT

< BACK   CHANGE AMP/EFFECTS
A-001 Comp&Drv

< BACK   FILTER   OK
EG FLTR   22%
Exciter   10%
BassA-Wah   8%
Z Tron   9%
A-Filter   9%
PROCESSOR 43%

If an effect is selected that would cause the processor to exceed 100%, the effect will not be selected and the following message will appear before the previous screen reopens.
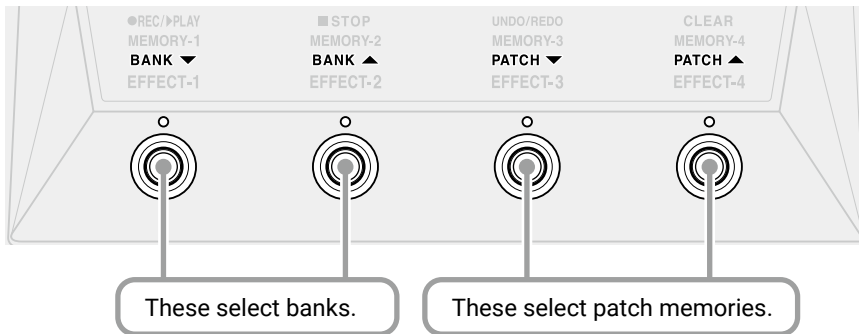
ERROR

PROCESS OVERFLOW.

BANK/PATCH

Footswitches can be used to select patch memories with saved effect and amp model parameters and on/off settings.
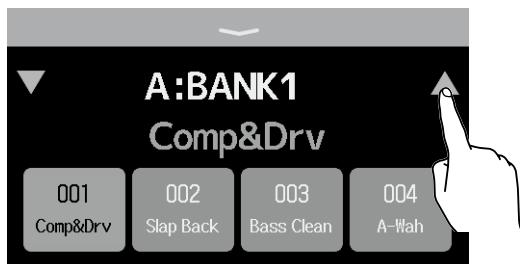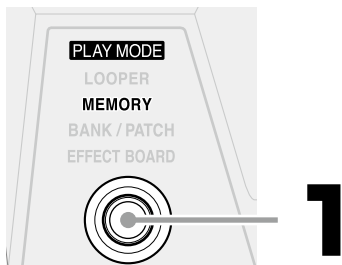Banks are groups of 4 patch memories.
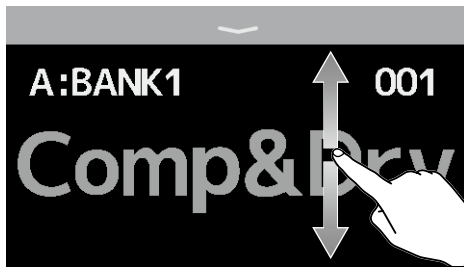
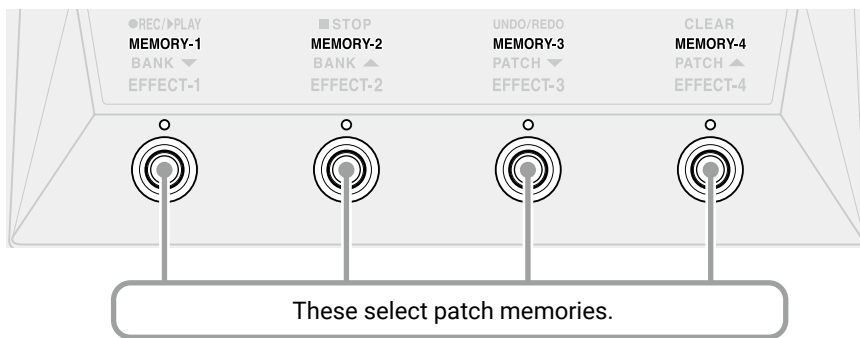Patch memories can also be selected by swiping the touch-screen up and down.

These select banks.

These select patch memories.

MEMORY

The 4 patch memories in a bank can be shown by name and selected using the footswitches.

PLAY MODE
LOOPER
MEMORY
BANK / PATCH
EFFECT BOARD

1

A:BANK1
Comp&Drv

| 001 | 002 | 003 | 004 |
| Comp&Drv | Slap Back | Bass Clean | A-Wah |

Tap ▼ ▲ to select banks.

●REC/▶PLAY   ■STOP   UNDO/REDO   CLEAR
MEMORY-1   **MEMORY-2**   **MEMORY-3**   **MEMORY-4**
BANK ▼   BANK ▲   PATCH ▼   PATCH ▲
EFFECT-1   EFFECT-2   EFFECT-3   EFFECT-4

These select patch memories.

LOOPER

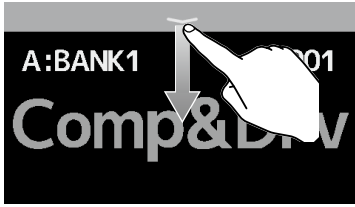Played phrases can be recorded to create loops.
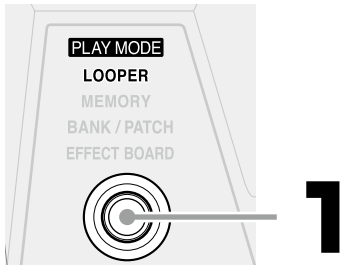
Looper settings can be changed by turning the parameter knobs and sliding and tapping icons on the touchscreen.
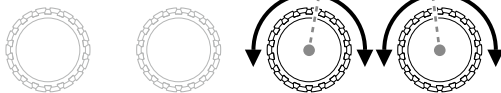
Using an SD card, loops can be recorded for longer times and saved. Loops on the SD card can also be recalled for playback and overdubbing.


Operate the looper.
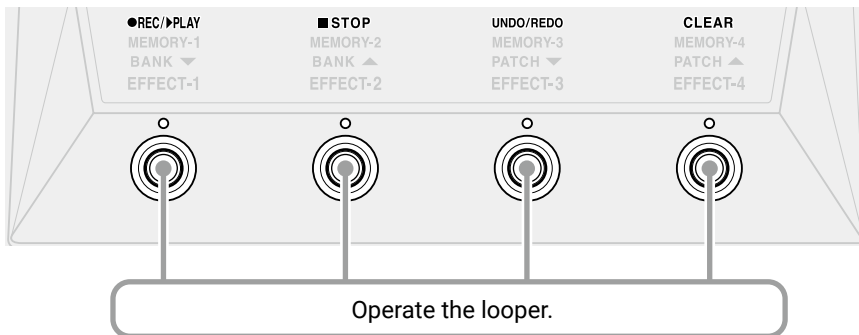
Playing along with a rhythm

1

2

PLAY with RHYTHM

3

Swipe left and right to change menu pages.

Tap `< BACK` to return to the previous screen.

Pattern   Tempo   Volume
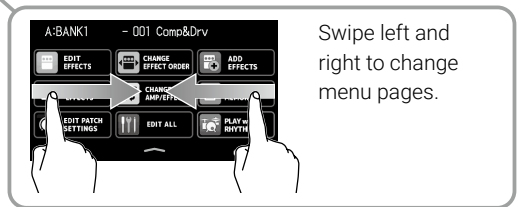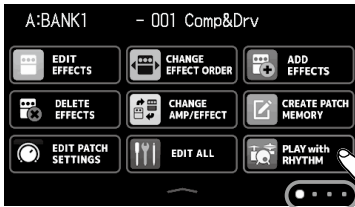
Selecting the DI TYPE

The direct input section of the B6 has four selectable types that reproduce the characteristics of vacuum tube and solid-state DIs.
The DI section affects the output of both the XLR (BALANCED) and AMP OUTPUT jacks.

PA mixer, etc.   Bass amp
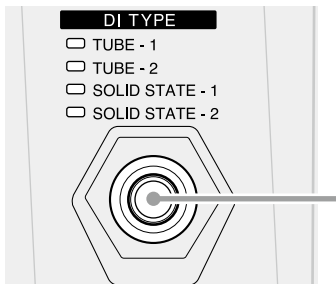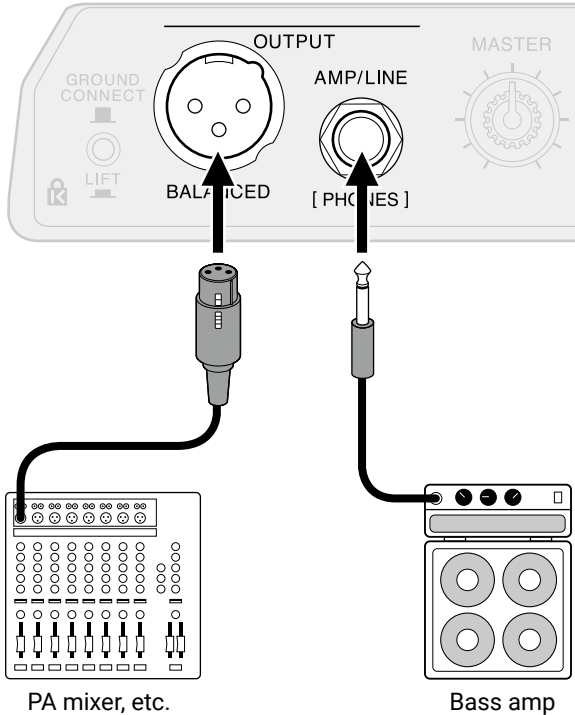
TUBE-1	Vacuum tube DI character with rich harmonics and thick low frequencies	
TUBE-2	Vacuum tube DI character with a clear attack and tight low frequencies	
SOLID STATE-1	Solid-state DI character with moderate compression and a sharp tone	
SOLID STATE-2	Solid-state DI character with a clear tone and little distortion	
Unlit	DI section off	

Functions of parts
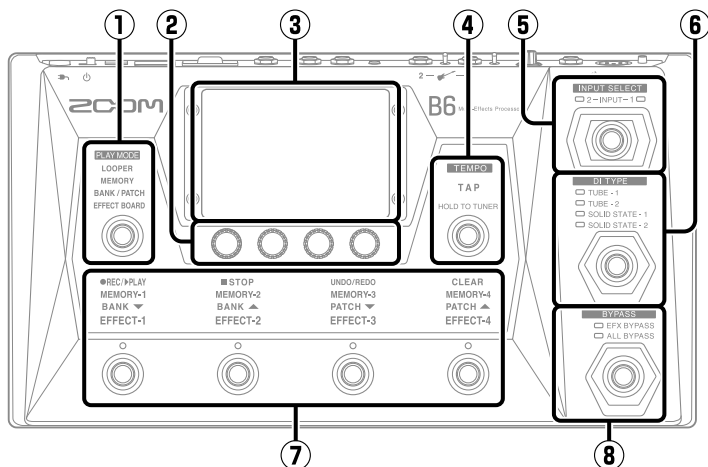
① **PLAY MODE selection section**
Use this to select the B6 play mode. (The selected mode lights.) Use each mode as needed while playing.

② **Parameter knobs**
Use these to adjust effect parameters and make various settings.

③ **Touchscreen**
Operate the touchscreen to select and set patch memories as well as to make B6 settings, for example.

④ **TAP switch**
Tap this to adjust the tempo.
Press and hold it to use the tuner.

⑤ **INPUT SELECT switch**
Use this to select the input (The selected input lights.)

⑥ **DI TYPE switch**

Use this to select the DI type (The selected type lights.)

⑦ **Footswitches and function indicators**
Use these to select patch memories and banks, turn effects on and off, and operate the looper.
The functions that can be controlled by the footswitches light.

⑧ **BYPASS switch**
Use this to turn bypass on/off and select the bypass type. (The selected setting lights.)

① **Output jack section**

GROUND CONNECT / LIFT	Ground connection can be enabled/disabled for the BAL-ANCED OUTPUT jack. • CONNECT (▬): This connects the ground pin to the ground. • LIFT (▬▬): This disconnects the ground pin from the ground. This is useful if noise is caused by a ground loop.
BALANCED OUTPUT jack	BALANCED OUTPUT jack: Connect this to a PA system.
AMP/LINE [PHONES]	AMP/LINE [PHONES] jack: Connect this to a bass amp, monitor speakers or headphones.

② **Input jack section**
Connect bass guitars here.

INPUT jacks	INPUT-1/2 jacks: Connect basses to these.
10M / 1M	Impedance selection switches 1/2: Set these to suit connected basses.

③ **EXTERNAL LOOP jacks**
An external effect can be connected here.

SEND	Connect the SEND jack to the input jack of the external effect.
RETURN	Connect the RETURN jack to the output jack of the external effect.

④ **SD card slot**
Loading an SD card makes the following possible.

- Loops can be saved and their recording times made longer
- Impulse response data can be loaded
- The B6 can be used as a card reader
- The firmware can be updated

Cards that conform to SD, SDHC or SDXC specifications are supported.

⑤ **POWER switch**
This turns the power on/off.

⑥ **DC 9V AC adapter connector**
Connect the dedicated AC adapter (ZOOM AD-16) here.

⑦ **MASTER knob**
Use this to adjust the volume of the B6.

⑧ **AUX IN jack**
Connect a portable music player or similar device here.

⑨ **CONTROL IN jack**
Connect an expression pedal (ZOOM FP02M) here, and use it to adjust a pedal effect.

⑩ **REMOTE connector**
Connect a ZOOM BTA-1 or other dedicated wireless adapter here.
This enables wireless control of the B6 from an iPhone/iPad using the iOS/iPadOS Handy Guitar Lab for B6 app.

⑪ **USB (Micro-B) port**
Connecting a computer makes the following possible.

- The B6 can be used as an audio interface
- The B6 can be operated using Guitar Lab
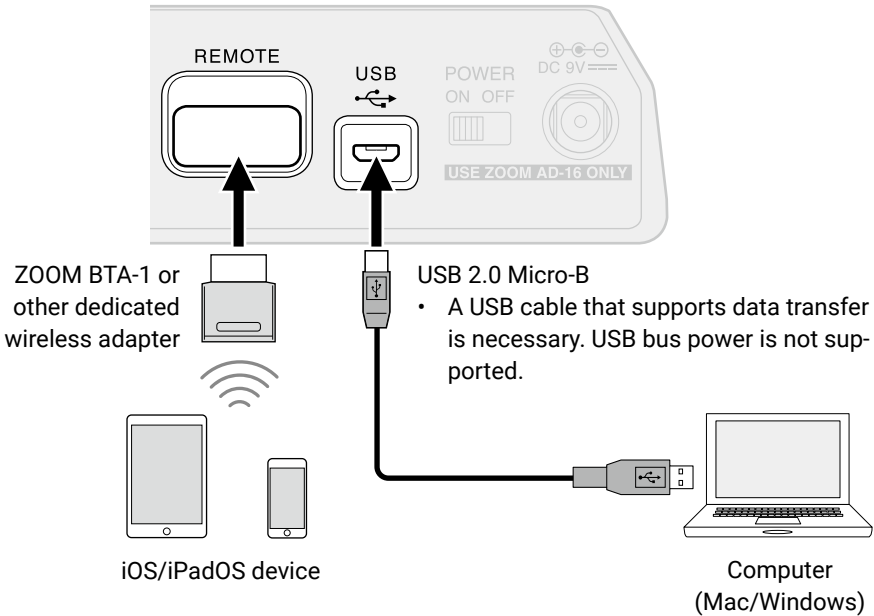- The B6 can be used as a card reader

13

Menu icons

This is a list of the functions shown when Menu Screen icons are touched.

	Adjust effect parameters.		Change the order of effects in patch memories.
	Add effects to patch memories.		Remove effects from patch memories.
	Change effects and amps in patch memories.		Create patch memories.
	Set patch memory names and levels.		Edit all patch memory settings.
	Use the rhythm function.		Make send/return settings.
	Use impulse responses (IR).		Load impulse response (IR) data.
	Create banks.		Change the order of banks.
	Change the order of patch memories.		Delete banks.
	Delete patch memories.		Save patch memories.
	Change and check system settings. Manage SD cards.		Set the tempo used for the effects, rhythms and looper.
	Make USB audio settings.		Turn the automatic saving function on/off.
	Adjust the touchscreen brightness and turn ECO mode on/off.		Make specific tuner settings.

	Use the tuner.		Set the tone and other characteristics of the output sounds for each input channel.
	Turn the preselect function on/off.		Show patch memory names in large characters for selection on the touchscreen.
	Show the effects used in the patch memory on the touchscreen.		Use the footswitches to select the four patch memories in the bank.
	Use the looper.		

Guitar Lab and USB interface functions

The Guitar Lab (computer) and the Handy Guitar Lab for B6 (iOS/iPadOS) apps can be used to manage patch memories and to edit and add effects. The B6 can also be used as a computer audio interface.

ZOOM BTA-1 or other dedicated wireless adapter

iOS/iPadOS device

USB 2.0 Micro-B
• A USB cable that supports data transfer is necessary. USB bus power is not supported.

Computer
(Mac/Windows)

Troubleshooting

The unit will not power on
→ Confirm that the POWER switch is set to ON.
→ Check the connections.

There is no sound or output is very quiet
→ Check the connections.
→ Confirm that the selected input channel is correct.
→ Adjust the levels of the effects.
→ Adjust the level of the patch memory.
→ Adjust the output volume.
→ Turn the tuner off. (The sound will be muted while the tuner is being used.)

There is a lot of noise
→ Confirm that a shielded cable is not the cause.
→ Use a genuine ZOOM AC adapter.