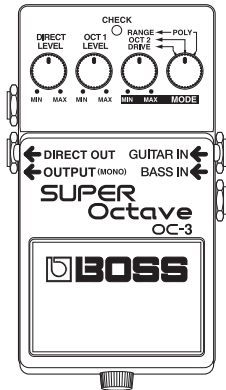


OC-3 SUPER Octave

Owner's Manual



Main Features

- World's first octave pedal equipped with a "polyphonic octave" function capable of polyphonic input, freeing guitarists from the limitations of performing with monophonic input.
- Features OC-2 mode for compatibility with that widely popular octave pedal. In addition to single octave capabilities, this unit also allows you to blend in sounds two octaves below the original sound.
- Includes a "Drive mode" for creating wild octave effects in addition to adding distortion to sounds.
- Equipped with a BASS IN jack for octave effects especially suited for basses. Plug into the BASS IN jack, and the OC-3's internal processing switches to the optimal conditions for use with basses.
- "DIRECT OUT" enables separate output of the direct and octave sounds.

BOSS®

Thank you, and congratulations on your choice of BOSS OC-3 SUPER Octave.

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (separate sheet). These sections provide important information concerning the proper operation of the unit.

Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, this manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

A battery is supplied with the unit. The life of this battery may be limited, however, since its primary purpose was to enable testing.

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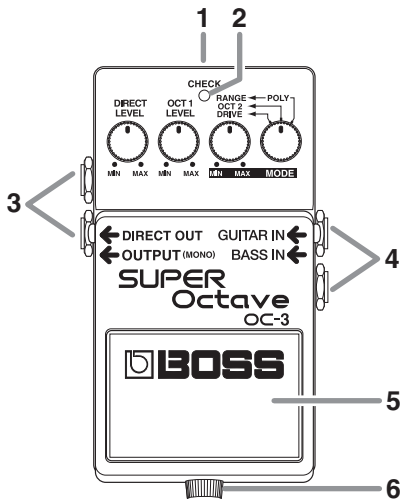
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Notes Concerning Use of the OC-3

Please observe the following points to enjoy stable operation of the OC-3.

- Except when set to POLY mode (p. 7), the OC-3 is a monophonic-input effects processor. Take care not to play chords with monophonic input. In addition, if playing a note while another note is currently being played, be sure to completely mute the previous note before playing the subsequent note.
- Connect the OC-3 directly to the guitar or bass output.
Furthermore, simultaneously using a compressor or limiter with the OC-3 provides even more stable performance. In such setups, connect the OC-3 to the output of the compressor or limiter.
- Turn down the guitar or bass tone when playing in the lower registers or if the OC-3 is outputting sounds incorrectly.
- Switching to the guitar or bass's front pickup (the pickup closest to the instrument's neck) is recommended for performances using the OC-3. Additionally, humbucking pickups provide more stable operation than single-coil pickups.
- When the OC-3 is used in POLY mode (p. 7), the volume of the octave sound starts to drop above the 5th fret of the 1st string when used with guitars (when connected to GUITAR IN), and above the 14th fret of the 1st string when used with basses (when connected to BASS IN). We recommend using OCT2 mode (p. 7) if such high registers are to be used extensively.
- Using the OC-3 in POLY mode (p. 7) provides a more stable octave sound than in other modes.

Panel Descriptions



1. AC Adaptor Jack

Accepts connection of an AC Adaptor (optionally available BOSS PSA-Series). By using an AC Adaptor, you can play without being concerned about how much battery power you have left.

- * As soon as you connect the AC adaptor, the unit is turned on.
- * If there are batteries in the unit while an AC adaptor is being used, normal operation will continue should the line voltage be interrupted (power blackout or power cord disconnection).
- * Use only the specified AC adaptor (PSA-Series).

2. CHECK Indicator

This indicator shows whether an effect is ON/OFF, and also doubles as the Battery Check indicator. The indicator lights when an effect is ON.

- * *If this indicator goes dim or no longer lights while an effect is ON, the battery is near exhaustion and should be replaced immediately. For instructions on changing the battery, refer to “Changing the Battery” (p. 12).*
- * *The CHECK indicator shows whether the effect is being applied or not. It does not indicate whether the power to the device is on or not.*

3. DIRECT OUT Jack, OUTPUT (MONO) Jack

The output jacks are used to connect the unit to an amplifier or another effects unit.

- * *Output may vary according to the connections. Refer to “Outputting the Direct Sound and Octave Sound Separately” (p. 11).*

4. GUITAR IN Jack, BASS IN Jack

These jacks accept input signals (coming from a guitar, a bass, some other musical instrument, or another effects unit).

- * *The unit’s functions differ according to how it is connected. Refer to “Connections” (p. 8).*
- * *When running the unit on battery power, the GUITAR IN and BASS IN jacks double as power switches. Power to the unit is turned on when you plug into the GUITAR IN or BASS IN jack; the power is turned off when the cable is unplugged. Be sure to disconnect any cord plugged into the GUITAR IN or BASS IN jack when not using this effects device. When the AC adaptor is used, the power remains on at all times, and this function is disabled.*

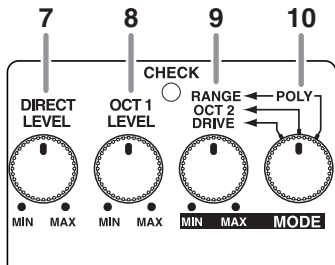
5. Pedal Switch

Used for switching effects on/off.

6. Thumbscrew

When this screw is loosened, the pedal will open, allowing you to change the battery.

- * *For instructions on changing the battery, refer to “Changing the Battery” (p. 12).*



7. DIRECT LEVEL Knob

This adjusts the volume of the direct sound. Turn the knob to the right (clockwise) to increase the direct sound.

This adjusts the total volume level when the MODE knob (10.) is set to DRIVE.

8. OCT1 LEVEL (-1 octave level) Knob

This adjusts the level of the sound one octave below the original. The volume of the sound one octave down increases as the knob is turned to the right.

9. CONTROL Knob

This knob's function changes according to the mode set with the MODE knob (10.).

RANGE

This functions as a RANGE knob when the MODE knob is set to POLY.

This adjusts the range in which the octave effect is applied. The effect extends into higher frequencies as the knob is turned to the right; turning the knob to the left limits the effect to lower frequencies.

OCT2 (-2 Octave Level)

This functions as a OCT2 knob when the MODE knob is set to OCT2.

This adjusts the level of the sound two octaves below the original. The volume of the sound two octaves down increases as the knob is turned to the right.

DRIVE

This functions as a DRIVE knob when the MODE knob is set to DRIVE.

This adjusts the amount of distortion in the sound. Turning the knob to the right intensifies the distortion.

10. MODE Knob

This switches the octave effect.

Changing this knob's settings changes the function of the CONTROL knob (9.).

POLY (Polyphonic)

Enables polyphonic input.

This mode creates a more stable octave sound than available in other modes.

OCT2 (OC-2 Compatible)

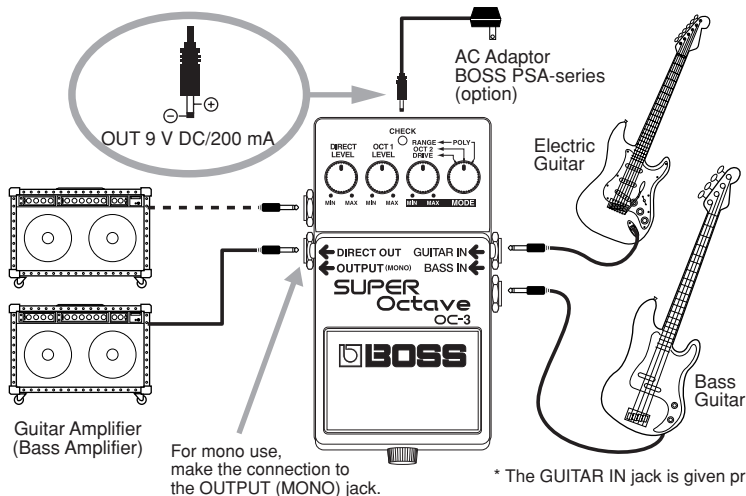
In addition to providing sounds one octave below the original input, this also allows you to output sounds lowered by two octaves.

DRIVE

Adds distortion to the direct sound and octave sound.

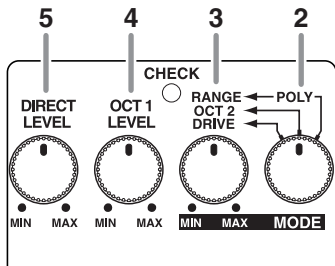
* *Only the octave sound is distorted when a plug is connected to DIRECT OUT (p. 11).*

Connections



-
- * *When running the unit on battery power, inserting a plug into the GUITAR IN or BASS IN Jack will automatically switch the unit on.*
 - * *The use of an AC adaptor is recommended as the unit's power consumption is relatively high. Should you prefer to use batteries, please use the alkaline type.*
 - * *To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.*
 - * *If there are batteries in the unit while an AC adaptor is being used, normal operation will continue should the line voltage be interrupted (power blackout or power cord disconnection).*
 - * *Once the connections have been completed (p. 8), turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.*
 - When powering up: Turn on the power to your guitar amp last.*
 - When powering down: Turn off the power to your guitar amp first.*
 - * *Always make sure to have the volume level turned down before switching on power. Even with the volume all the way down, you may still hear some sound when the power is switched on, but this is normal, and does not indicate a malfunction.*
 - * *When operating on battery power only, the unit's indicator will become dim when battery power gets too low. Replace the battery as soon as possible.*
-

Operating the Unit



1. Turn the effect on.

When you have made the necessary connections (p. 8), depress the pedal switch to turn the effect on. (the CHECK indicator turns red.)

2. Select the mode with the MODE knob.

3. Use the CONTROL knob to adjust the range, the -2 octave level, or the drive effect.

* The function varies according to the mode selected in Step 2. Refer to "9. CONTROL Knob" in "Panel Descriptions" (p. 7).

* Note that no octave sound is produced if the DIRECT LEVEL knob or OCT1 LEVEL knob is set to MIN while the MODE knob is set to "DRIVE."

* Note that little or no octave sound is output if the OCT1 LEVEL knob or CONTROL knob is set to MIN while the MODE knob is set to "POLY."

4. Use the OCT1 LEVEL knob to adjust the volume of the sound one octave down.

5. Adjust the direct sound volume level with the DIRECT LEVEL knob.

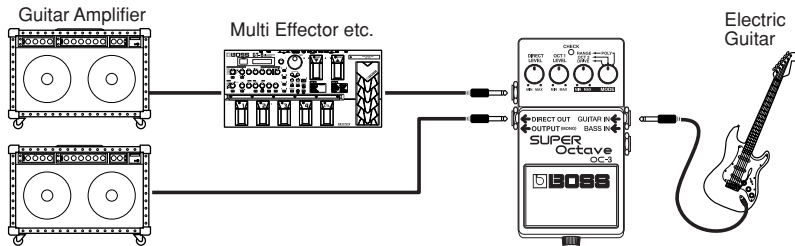
* When the MODE knob is set to "DRIVE," the DIRECT LEVEL knob adjusts the total volume level.

Outputting the Direct Sound and Octave Sound Separately

When you connect a plug to DIRECT OUT, only the direct sound is output from the DIRECT OUT jack, and only the octave sound is output from the OUTPUT (MONO) jack. This allows you to add effects separately to the direct sound and the octave sound.

** In this case, sounds are output only from the DIRECT OUT jack when the effect is switched off.*

<Connection Example>

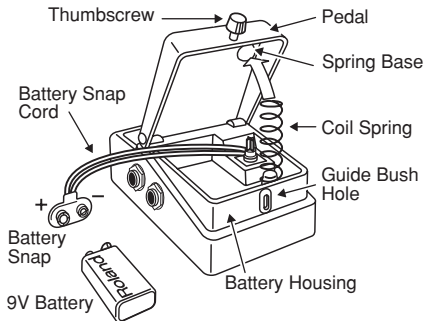


When the OC-3 is in DRIVE mode (p. 7) while DIRECT OUT is connected, the direct sound (without the distortion applied) is output from DIRECT OUT. Taking sounds with effects added using a multi-effects processor or other such device and the sounds in DRIVE mode and playing them through multiple amps allows you to produce an extremely low sound with greater separation. In such settings, the DIRECT LEVEL knob (p. 6) adjusts the direct sound level.

Changing the Battery

When the indicator goes dim or no longer lights while an effect is on, it means that the battery is nearly dead and must be replaced. Replace the battery following the steps below.

** The use of an AC adaptor is recommended as the unit's power consumption is relatively high. Should you prefer to use batteries, please use the alkaline type.*



1. Loosen the thumbscrew at the front of the pedal, then lift the pedal upwards to open the unit.

** The thumbscrew can be left in the pedal while changing the battery.*

2. Remove the old battery from the battery housing, and remove the snap cord connected to it.

3. Connect the snap cord to the new battery, and place the battery inside the battery housing.

** Be sure to carefully observe the battery's polarity (+ versus -).*

4. Slip the coil spring onto the spring base on the back of the pedal, then close the pedal.

** Carefully avoid getting the snap cord caught in the pedal, coil spring and battery housing.*

5. Finally, insert the thumbscrew into the guide bush hole and fasten it securely.

Troubleshooting

Power won't come on / CHECK indicator doesn't light:

- **Is the specified adaptor (PSA-series; sold separately) properly connected?**
Check the connection once more (p. 8).
 - * *Never use any AC adapter other than one specified for use with the OC-3.*
- **Is the battery low or dead?**
Replace with a new battery (p. 12).
 - * *The battery that was supplied with the unit is for temporary use, intended primarily for testing its operation. For extended use, we suggest replacing it with an alkaline battery.*
- **Is your guitar (or bass) properly connected to the GUITAR IN (or BASS IN) jack?**
Check the connection once more (p. 8).
 - * *To prevent useless depletion of the battery when the unit is running on battery power, the power is switched on only when a cable is plugged in to the GUITAR IN or BASS IN jack.*
 - * *The CHECK indicator shows whether the effect is being applied or not. It does not indicate whether the power to the device is on or not.*

No sound / Low volume:

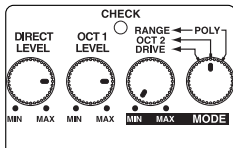
- **Is the OC-3 properly connected to your instrument?**
Check the connection once more (p. 8).
- **Is the volume turned down on any guitar amp or effects device you have connected?**
Check the settings of the connected device.
- **Is DIRECT OUT connected?**
Sounds are output only from the DIRECT OUT jack when the effect is switched off while a plug is connected to the DIRECT OUT jack. When the effect is off, the output from the OUTPUT (MONO) jack is muted, with no sounds being output (p. 11).

Sound is distorted:

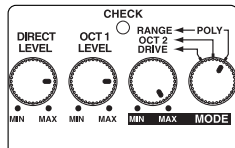
- **Is the battery low?**
As the battery is drained, the CHECK indicator dims, and the OC-3 may start to function incorrectly. Replace with a new battery (p. 12).
** The battery that was supplied with the unit is for temporary use, intended primarily for testing its operation. For extended use, we suggest replacing it with an alkaline battery.*
- **Could the level of the sound being input be excessive?**
With some guitars, distortion may be produced. Be careful of your guitar's output level.

Setting Samples

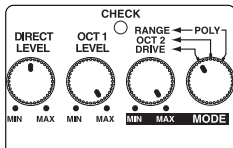
Unison



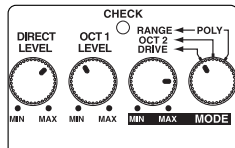
Heavy Riff



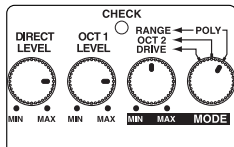
Synthesizer Sound



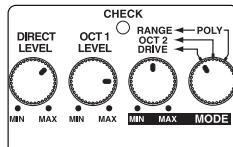
Sub Sonic Drive



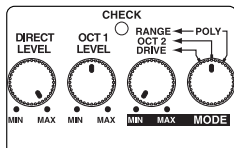
Arpeggio



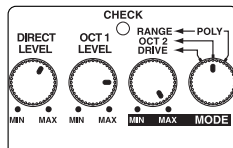
Dual Drive



Boomy Bass



Fat Sound



Main Specifications

OC-3: SUPER Octave

Nominal Input Level.....	-20 dBu
Input Impedance.....	1 M Ω
Nominal Output Level.....	-20 dBu
Output Impedance	1 k Ω
Recommended Load Impedance.	10 k Ω or greater
Residual Noise	-96 dBu (IHF-A, Typ.); All knobs at center position
Controls.....	Pedal switch, DIRECT LEVEL knob, OCT1 LEVEL knob, CONTROL knob, MODE knob,
Indicators	CHECK indicator (Serves also as battery check indicator)
Connectors.....	GUITAR IN jack, BASS IN jack, OUTPUT (MONO) jack, DIRECT OUT jack, AC adaptor jack (DC 9 V)
Power Supply	DC 9 V: Dry battery (9 V type) 6AM6/9 V (alkaline), Dry battery (9 V type) S-006P/9 V (6F22/9 V) AC Adaptor (PSA-series: optional)

Main Specifications

Current Draw	50 mA (DC 9 V)
	<i>* Expected battery life under continuous use: Carbon: 2 hours, Alkaline: 6 hours These figures will vary depending on the actual conditions of use.</i>
Dimensions	73 (W) x 129 (D) x 59 (H) mm 2-7/8 (W) x 5-1/8 (D) x 2-3/8 (H) inches
Weight	440 g / 1 lb (including battery)
Accessories.....	Owner's Manual Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information") Dry battery (9 V type) S-006P/9 V (6F22/9 V)
	<i>* The battery that was supplied with the unit is for temporary use-intended primarily for testing its operation. We also suggest replacing this with an alkaline dry cell.</i>
Options.....	AC Adaptor (PSA-Series)
	<i>* 0 dBu = 0.775 Vrms</i>
	<i>* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.</i>



For EU Countries

This product complies with the requirements of European Directive 89/336/EEC.

For the USA

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.



BOSS Corporation

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