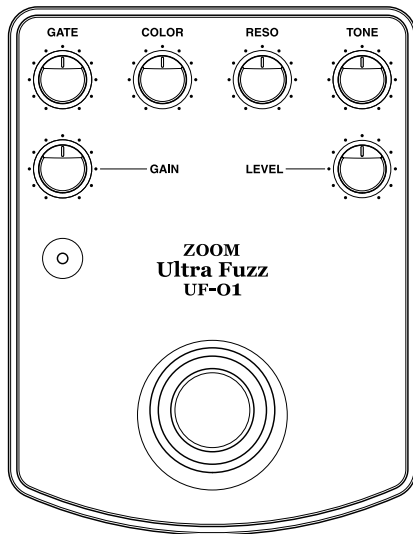




Ultra Fuzz UF-01

Operation Manual



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Features

Thank you for selecting the **ZOOM Ultra Fuzz UF-01** (hereafter simply called the "**UF-01**"). The UF-01 is a high-performance compact fuzz unit developed with input from top-level professional musicians the worldwide. It reflects ZOOM's rich expertise with analog circuitry and has many attractive features.

◆ **Ultimate fuzz for devastating sound**

To design the UF-01, ZOOM first analyzed the elements of fuzz sound created by cutting-edge musicians. The result is a new generation fuzz unit that lets you freely combine various aspects such as distortion depth, impact, and body to achieve a wide range of sounds, from vintage fuzz to psychedelic creations.

◆ **Versatile sound variations**

Boomy fuzz and tight fuzz are two representative types provided by the UF-01. The COLOR control allows adjusting the mixing ratio between these two. The vintage style TONE control is highly effective and covers a wide range. The combination possibilities offered by these controls are almost limitless.

◆ **Innovative play with noise**

The UF-01 also provides a GATE control that adjusts the sensitivity of the internal noise gate. With this, you can cut unwanted noise during play pauses. By setting the sensitivity purposely on the high side, you can also create a wild attack sound. Another great asset is the RESO control that results in an oscillation peak at a certain frequency. Use it to achieve fierce feedback or even to emulate the sound of the legendary theremin.

◆ **Mechanical switch for true bypass**

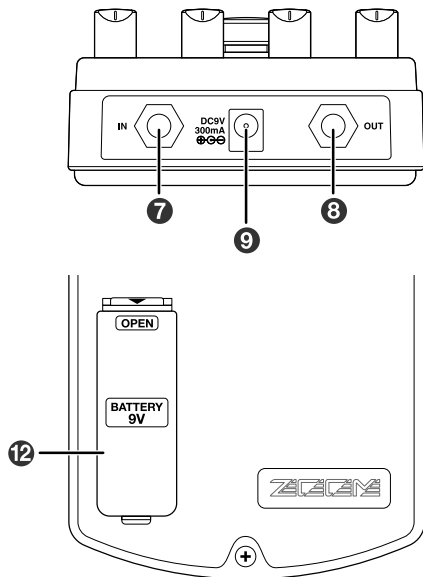
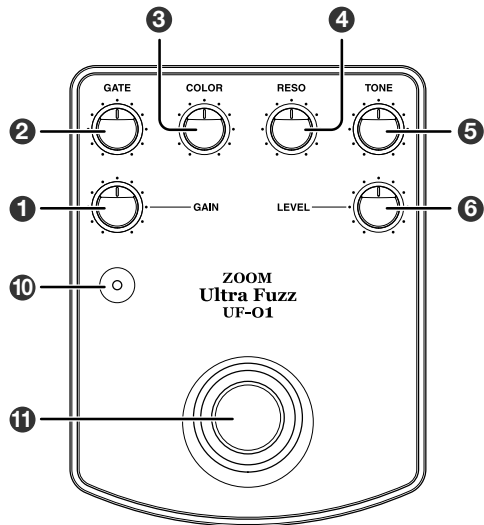
On/off switching is performed using a mechanical foot switch which operates smoothly and gives tactile feedback. In the bypass position, the guitar signal is passed through without any alteration.

◆ **Sturdy metal chassis**

The rock-solid case made of aluminum not only looks good, it also can withstand the rigors of use on stage or rough handling during transport. Stability is excellent, ensuring that the unit will not topple over while in use.

Parts and Functions

This section explains the various parts of the UF-01.



① GAIN control

This control adjusts the fuzz gain. Turning the control clockwise increases the distortion intensity.

② GATE control

This control adjusts the gate sensitivity. Turning the control clockwise causes the gate to open only when the level exceeds a certain threshold. Turning the control all the way to the left disables the effect. For details, see page 9.

③ COLOR control

This control adjusts the fuzz sound character. Turning the control fully to the right gives boomy fuzz and turning it all the way to the left gives tight fuzz. Intermediate positions result in a mix of these two fuzz types.

④ RESO control

This control emphasizes a certain frequency, to lend a distinctive character to the sound. Turning the control clockwise increases the effect, and at a certain point, oscillation starts. Turning the control all the way to the left disables the effect. For details, see page 9.

⑤ TONE control

This control adjusts the tone. Turning the control counterclockwise stresses the bass range, making the sound more solid and heavy. Turning the control clockwise stresses the treble, making the sound more bright and sharp.

⑥ LEVEL control

This control adjusts the output signal level. Turning the control clockwise increases the volume.

⑦ IN jack

This is the input of the unit and it also acts as a power switch. When you connect the plug of the cable from the guitar, the unit is turned on.

⑧ OUT jack

This is the output of the unit. Connect the plug of the cable going to the guitar amplifier or other effect device here.

⑨ AC adapter jack

When powering the unit from the AC adapter, insert the plug from the adapter into this jack. Be sure to use only the dedicated AC adapter for the unit (Zoom AD-0006). When the AC adapter is connected, the UF-01 will always be ON, regardless of whether a cable is plugged into the IN jack.

⑩ Indicator

Lights up when the UF-01 effect is active. When the remaining battery capacity is getting low, indicator brightness decreases.

⑪ Foot switch

Switches the UF-01 effect on and off.

⑫ Battery compartment

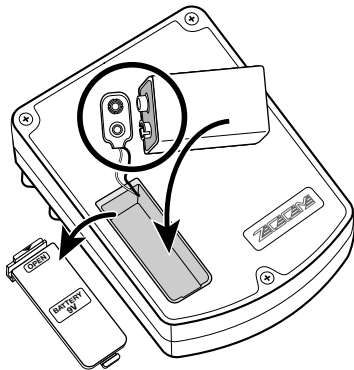
A 9V battery (6F22) can be inserted here.

Connections

This section explains how to connect the UF-01.

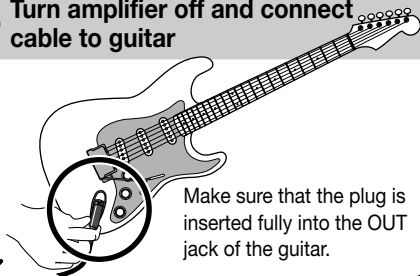
1 Open cover of battery compartment and insert battery

Make sure to insert the battery to the connector with correct polarity.



2 Turn amplifier off and connect cable to guitar

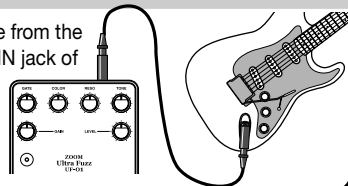
Make sure that the plug is inserted fully into the OUT jack of the guitar.



3 Plug cable from guitar into IN jack of UF-01

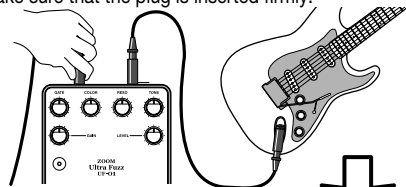
Insert the cable from the guitar into the IN jack of the UF-01.

This turns the UF-01 on.



4 Connect cable to OUT jack of UF-01

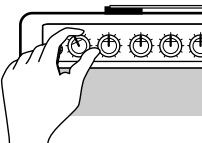
Connect another cable to the OUT jack of the UF-01. Make sure that the plug is inserted firmly.



6 Turn amplifier on and raise volume

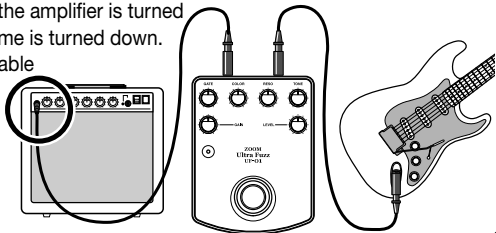
Turn power to the amplifier on, and adjust the volume to a suitable level, using the controls in the following sequence.

- (1) Volume control on guitar
- (2) LEVEL control on UF-01
- (3) Volume control on amplifier



5 Connect output cable to amplifier

Make sure that the amplifier is turned off and the volume is turned down. Then plug the cable from the OUT jack of the UF-01 to the IN jack of the amplifier.



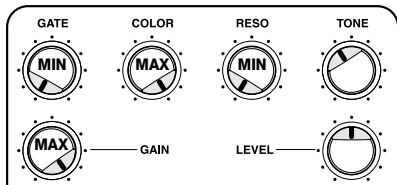
ATTENTION

Always follow the above sequence.

If steps are performed in reverse order, there is a danger of damage to the amplifier or speakers.

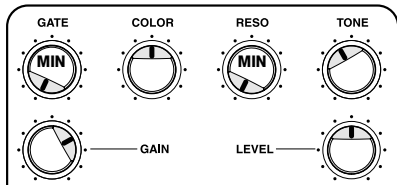
Sample Settings

This section shows some actual setting examples.



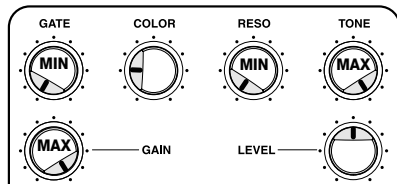
■ Boomy vintage fuzz

Meet the king of fuzz sounds. By turning the TONE control further to the left, you can get a mighty, earth-shaking tone. This is great for lead solos and low-end riffs.



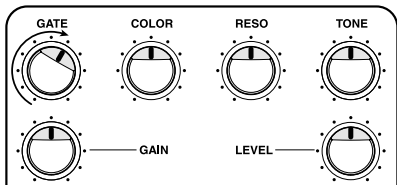
■ Tight vintage fuzz

This sixties style tight sounding fuzz stays well defined also when playing chords, which is suitable for chord backing as well. When the volume at the guitar is turned down, you get clean sound without distortion.



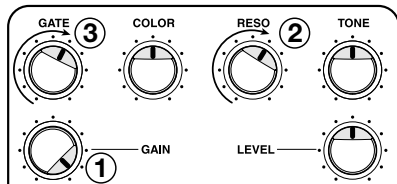
■ Fuzz sound with a strong edge

The settings shown at left cut the bass and emphasize the treble range, which is great for playing lead solos and riffs. Adjust the TONE and COLOR controls according to the characteristics of the instrument, to fine tune the effect.



■ Using the GATE control

To cut noise during play pauses, proceed as follows. Without playing your instrument, turn the GATE control fully to the left and then slowly raise it to the point where noise stops. By turning the control further to the right, you can obtain a special low-fi sound with crackling at the noise threshold.



■ Using the RESO control

- ① Turn the GAIN control close to the maximum position. With lower settings, oscillation may not occur.
- ② Turning the RESO control to the right emphasizes a certain frequency and lends a distinct character to the sound. When the control is turned up beyond a certain point, oscillation starts. This point depends on various factors, including the volume and tone control positions at the guitar. You can use the RESO control to produce smashing psychedelic sound.
- ③ To stop oscillation in play pauses, turn the GATE control to the right. You can also turn down the volume control on the guitar.

NOTE

- When using a guitar with an active pickup, turning up the RESO control may not give the desired result.
- When another effect device is connected between the guitar and the UF-01, turning up the RESO control may not give the desired result, depending on the effect type and on/off condition.

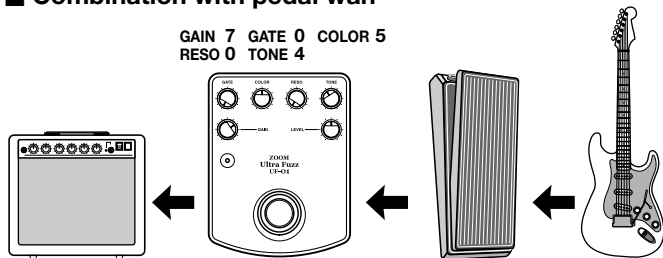
For details, see the section "Turning up RESO control has no effect/Oscillation does not stop" on page 13.

- * When experimenting, you should set the gain and drive controls on the amplifier so that it does not distort excessively.
- * Use the LEVEL control on the UF-01 to compensate for the level difference between the "effect on" and bypass condition.

Connection Examples With Compact Effects

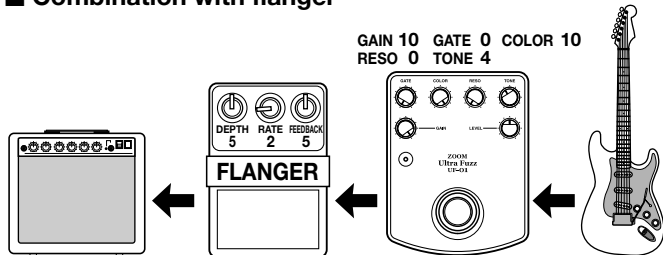
This section shows setting examples for using the UF-01 together with other compact effect devices.

■ Combination with pedal wah



This is a combination in the style of the golden sixties. Basically, the pedal wah can be inserted either before or after the UF-01. Inserting it before the UF-01 produces more wild distortion.

■ Combination with flanger

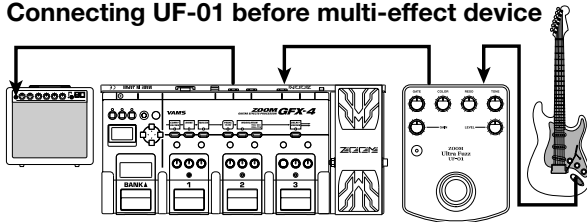


In this example, a flanger is connected after the UF-01. By setting the flanger rate (speed) to a fairly low setting and the depth (resonance) to a higher setting, you can create a strong jet sound.

Connection Examples With Multi-Effects

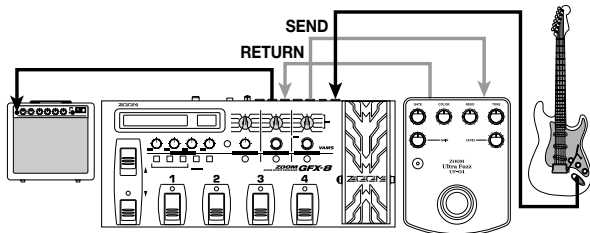
This section shows how to use the UF-01 together with multi-effect devices such as the ZOOM GFX-4 or GFX-8.

■ Connecting UF-01 before multi-effect device



In this example, the connection sequence is UF-01 → multi-effect → amplifier. Distortion is produced by the UF-01, and distortion effects of the multi-effect device are bypassed.

■ Using send/return loop of multi-effect



When using the UF-01 with a multi-effect device that has a send/return loop such as the ZOOM GFX-8, connect the UF-01 to the send/return jacks. This will allow you to switch the UF-01 on and off using patch programs of the multi-effect.

NOTE

When the UF-01 is connected in the send/return loop of a multi-effect, turning up the RESO control may not give the desired result. (For details, see page 13.)

Troubleshooting

If there seems to be a problem with the unit, check the following points first.

◆ No sound.

- Are connections to the IN and OUT jacks reversed?
Check the connections.
- Is the battery exhausted?
Insert a fresh battery.
- Is GATE control turned fully to the right?
Turning the GATE control fully to the right closes the gate entirely, which cuts off the sound. Reduce the setting of the GATE control.
- Is guitar or amplifier volume or LEVEL control of UF-01 turned down?
Raise the volume.

◆ Noise is heard.

- Is GAIN control set too high?
Due to the operating principle of a fuzz device,

noise and hum picked up by the pickup is reinforced. If noise during play pauses is a problem, turn down the GAIN control (or turn up the GATE control).

- Is the cable of good quality?
Low-quality cables can cause noise. Use a short, good-quality cable.
- Is the unit used in the vicinity of a computer monitor, refrigerator, fluorescent lamp, motor, or similar device?
The guitar or cable can pick up noise from such devices. In case of problems, increase the distance to such devices.
- Is an AC adapter other than the specified type used?
Be sure to use only the dedicated AC adapter (AD-0006).

◆ **Battery gets used up very quickly.**

- Is a plug inserted in the IN jack?

Power to the UF-01 gets turned on when a plug is inserted in the IN jack. In this condition, current is drawn from the battery regardless of whether the effect is switched on or off. When not using the unit, be sure to disconnect the plug from the IN jack.

- Is a manganese battery being used?

The use of an alkaline battery rather than manganese is recommended. The initially supplied battery is for checking only and may have a short service life. When mounting the UF-01 on an effect board or similar, powering it with the AC adapter (AD-0006) is recommended.

◆ **Turning up RESO control has no effect/Oscillation does not stop**

- Is a guitar with an active pickup used?

The RESO control works best with a passive

guitar. If the control is turned up when playing a guitar with an active pickup, the volume control on the guitar cannot be used to control oscillation, or oscillation may not occur at all. The use of a passive guitar is recommended.

- Is another effect device connected between guitar and UF-01?

When using another effect device between the guitar and the UF-01, or when using the UF-01 in the send/return loop of a multi-effect, the volume control on the guitar cannot be used to control oscillation, or oscillation may not occur at all. Connect the UF-01 directly after the guitar.

- Are the guitar volume/tone control settings correct?

When the volume control on the guitar is turned down, raising the RESO control may not have an effect. The action of the RESO control also varies, depending on the tone setting of the guitar. Try different settings at the guitar.

Specifications

Controls	Foot switch	
	GAIN control	RESO control
	GATE control	TONE control
	COLOR control	LEVEL control
Input	Standard monaural phone jack	
	Rated input impedance: 500kilohms	
	Rated input level: -20 dBm	
Output	Standard monaural phone jack	
	Rated output impedance: 10 kilohms or more	
	Rated input level: +5 dBm	
Power requirements	Battery (6F22, 9 V) or AC adapter AD-0006 (9 V DC, 300 mA, center minus)	
Battery life	Continuous operation: approx. 26 hours (alkaline) or 8 hours (manganese)	
External Dimensions	127 (D) x 98 (W) x48 (H) mm	
Weight	720 g (including battery)	
Supplied accessories	Instruction manual	
	Warranty card	* 0 dBm = 0.775 Vrms
	Battery (6F22, 9V)	* Design and specifications subject to change without notice.

Usage Precautions

■ Electrical interference

For safety considerations, the UF-01 has been designed to provide maximum protection against the emission of electromagnetic radiation from inside the device, and protection from external interference. However, equipment that is very susceptible to interference or that emits powerful electromagnetic waves should not be placed near the UF-01, as the possibility of interference cannot be ruled out entirely.

■ Cleaning

Use a soft, dry cloth to clean the UF-01. If necessary, slightly moisten the cloth. Do not use abrasive cleanser, wax, or solvents (such as paint thinner or cleaning alcohol), since these may dull the finish or damage the surface.

Please keep this manual in a convenient place for future reference.

Safety Precautions

In this manual, symbols are used to highlight warnings and cautions for you to read so that accidents can be prevented. The meanings of these symbols are as follows:



Warning

This symbol indicates explanations about extremely dangerous matters. If users ignore this symbol and handle the device the wrong way, serious injury or death could result.



Caution

This symbol indicates explanations about dangerous matters. If users ignore this symbol and handle the device the wrong way, bodily injury and damage to the equipment could result.

Please observe the following safety tips and precautions to ensure hazard-free use of the UF-01.

About power



Warning

- Since power consumption of this unit is fairly high, we recommend the use of an AC adapter whenever possible. When powering the unit from a battery, use only an alkaline type.

AC adapter operation

- Be sure to use only an AC adapter which supplies 9 V DC, 300 mA and is equipped with a "center minus" plug (Zoom AD-0006). The use of an adapter other than the specified type may damage the unit and pose a safety hazard.
- Connect the AC adapter only to an AC outlet that supplies the rated voltage required by the adapter.
- When disconnecting the AC adapter from the AC outlet, always grasp the adapter itself and do not pull at the cable.
- If the unit is not to be used for a long time, disconnect the AC adapter from the outlet.

Battery operation

- Use a generic 9V dry battery (6F22) (alkaline or manganese).
- The UF-01 cannot be used for recharging.
- Pay close attention to the labeling of the battery to make sure you choose the correct type.
- If the UF-01 is not to be used for an extended period of time, remove the battery from the unit.

- If batteries leakage has occurred, wipe the battery compartment and the battery terminals carefully to remove all remnants of battery fluid.
- While using the unit, the battery compartment cover should be closed.

Environment



Caution

Avoid using your UF-01 in environments where it will be exposed to:

- Extreme temperature
- High humidity or moisture
- Excessive dust or sand
- Excessive vibration or shock

Handling



Caution

- Since the UF-01 is a precision electronic device, avoid applying excessive force to the controls. Do not operate the keys or controls with your foot.
- Make sure that no foreign objects (coins or pins etc.) or liquids can enter the unit.
- Be sure to turn the power to all equipment off before making connections.
- Before moving the unit, turn the power off, and disconnect all cables and the AC adapter.

Alterations



Caution

Never open the case of the UF-01 or attempt to modify the product in any way since this can result in damage to the unit.



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