5000
ZOOM DRIVER

OPERATION MANUAL

Thank you for selecting the **ZOOM Driver 5000** (hereafter simply called the "5000"). The 5000 is an innovative product with the following features and functions:

- Analog circuitry for overdrive/distortion assures full-bodied, natural sustain and distortion effects.
- Digital signal processor (DSP) simulates six types of guitar amplifiers with their overall sound characteristics. No matter which guitar amplifier you use, you can always achieve the desired sonic result.
- Controls with wide adjustment range let you shape the sound according to your wishes. The 5000 gives you everything from light overdrive to hard distortion.
- Unlike conventional compact effectors, a program mode lets you store a set of sound character settings in memory.
- ZNR (Zoom Noise Reduction) using DSP minimizes noise when no guitar input signal is present.
- Powerful sonic impact also when used in a line connection.
- The optional foot switch FS01 allows easy operation during a live performance.

Please take the time to read this manual carefully, in order to get the most out of your 5000 and to ensure optimum performance and reliability.

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Safety Precautions

Please observe the following safety tips and precautions to ensure hazard-free use of the 5000.

• Power requirements

The 5000 can be powered by six IEC R6 (size AA) batteries or the optional AC adapter AD-0003. Do not use any other kind of AC adapter to prevent malfunction and safety hazards.

When wishing to use the 5000 on AC power in an area with a different line voltage, please consult your local ZOOM distributor about acquiring a proper AC adapter.

• Environment

Avoid using your 5000 in environments where it will be exposed to:

- **Temperature extremes**
- **High humidity or moisture**
- **Excessive dust or sand**
- **Excessive vibration or shock**

• Handling

Since the 5000 is a precision electronic device, avoid applying excessive force to the switches and buttons. Also take care not to drop the unit, and do not subject it to shock or excessive pressure.

• Alterations

Never open the case of the 5000 or attempt to modify the product in any way since this can result in damage.

• Connecting cables and input and output jacks

You should always turn off the power to the 5000 and all other equipment before connecting or disconnecting any cables. Also make sure to disconnect all cables and the AC power cord before moving the 5000.

Precautions

• Electrical interference

The 5000 uses digital circuitry that may cause interference and noise if placed too close to other electrical equipment, such as TV sets and radio receivers. If such problems occur, move the 5000 further away from the affected equipment. Also, when fluorescent lights or devices with built-in motors are in close proximity to the unit, the 5000 may not function properly.

• Cleaning

Use a soft, dry cloth to clean the 5000. If necessary, slightly moisten the cloth. Do not use any abrasive cleansers, waxes, or solvents (such as paint thinner or cleaning alcohol), since these may dull the finish or damage the surface.

• In case of malfunction

If a problem arises during operation, turn the 5000 off and disconnect all cables. Then contact your local ZOOM distributor with the following information: model name, serial number, symptom, your name, address and phone number.

Keep this manual in a convenient place for future reference.

Introduction

This section will acquaint you with the 5000 and explain some of the terms used in this manual. Even if you are already familiar with effectors, you should quickly scan this section.

Manual mode and program mode

In manual mode, you use the controls of the 5000 to adjust the sound character in real time, whereas in program mode you use settings that you have stored previously. Since the current settings do not change when you call up program mode, you can quickly go back and forth between two sound character settings by switching between the two modes.

Color

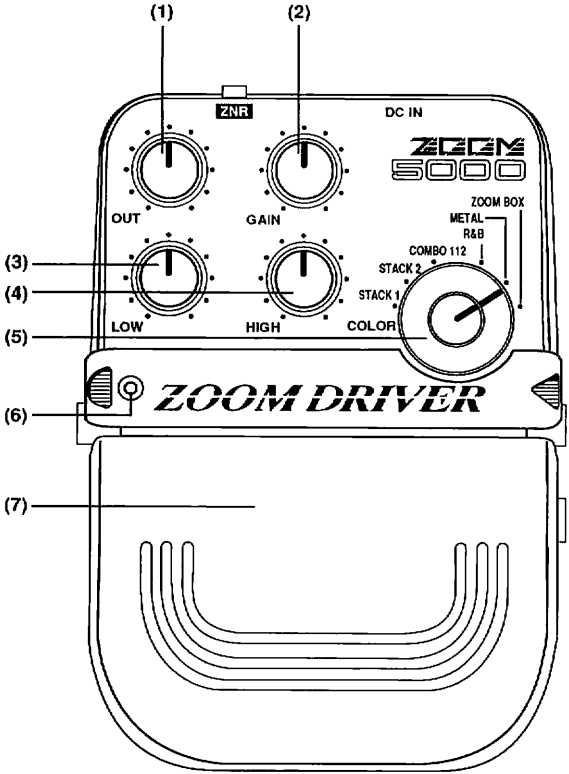
The 5000 incorporates a DSP (digital signal processor) that can simulate the sound of six different types of amplifiers. The particular sound character of such an amplifier is referred to as "color". The COLOR setting therefore serves to select a particular amplifier sound.

ZNR (Zoom Noise Reduction)

The ZNR also uses the DSP to minimize noise when no guitar input signal is present.

Parts and Functions

Front Panel



(1) OUTPUT LEVEL control

Serves to adjust the output level.

(2) INPUT GAIN control

Serves to adjust the input gain. Since the setting of this control affects the amount of distortion, you can use the adjustment to achieve results ranging from soft to very hard distortion. Turning the control clockwise increases distortion.

(3) LOW level control

Adjusts the signal level in the low frequency range. Turning the control clockwise emphasizes the bass, creating a more heavy sound.

(4) HIGH level control

Adjusts the signal level in the high frequency range. Turning the control clockwise emphasizes the highs, creating a brighter sound.

(5) COLOR control

Selects the general sound character. For an explanation of the available settings, please refer to page 15.

In bypass mode, the controls (1)— (5) do not operate.

(6) POWER indicator

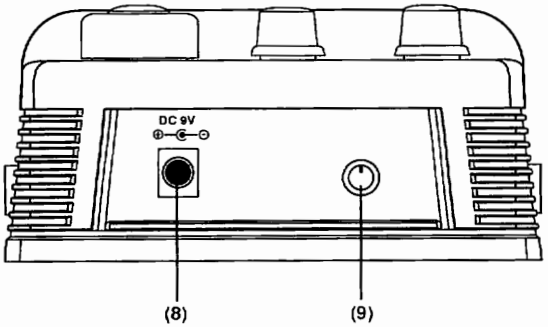
Normally, this LED is on when the unit is turned on. When manual mode is selected, the indicator is red and when program mode is selected, the indicator is green. In the bypass mode, the indicator is out.

When the batteries are weak, the POWER indicator starts to flash. When this happens, replace the batteries as soon as possible. Battery life is about five hours with manganese batteries and ten hours with alkaline batteries.

(7) Pedal switch

Serves to switch between bypass mode, manual mode, and program mode.

Rear Panel



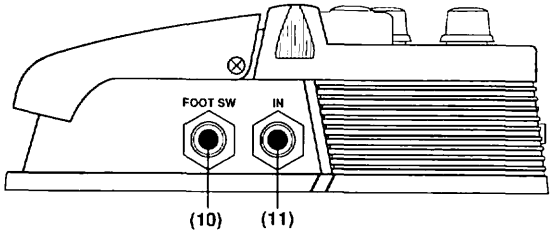
(8) AC adapter jack

Serves for connection of the optional AC adapter AD-0003.

(9) ZNR control

Adjusts the threshold level required to operate the ZNR. Turning the control clockwise increases the threshold.

Right Side Panel



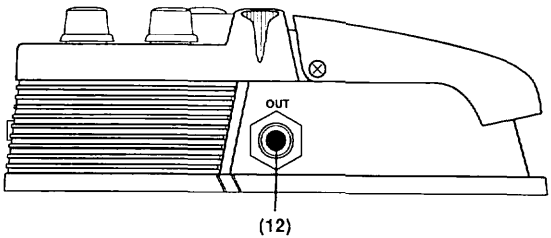
(10) Foot switch jack

Serves for connection of the optional foot switch FS01.

(11) Input jack

Accepts the input signal from the guitar. When a plug is inserted in this jack, the unit turns itself on automatically.

Left Side Panel



(12) Output jack

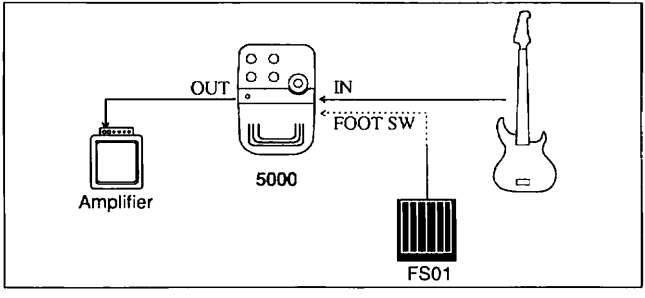
Serves for connection to a guitar amplifier or PA system, mixing console, etc.

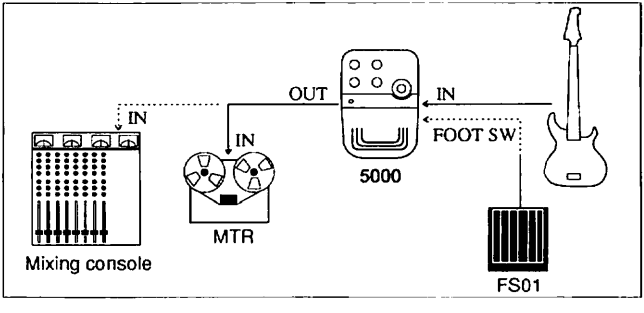
NOTE

The battery compartment is located on the bottom.
Insert six batteries (size AA, IEC R6) into the compartment, observing correct polarity as shown inside the case.

Connections

Connect the output of the instrument to the input jack of the 5000 and the output jack of the 5000 to the input jack of the guitar amplifier, mixing console, etc.





NOTE *When not using the 5000, be sure to remove the cable plug from the input jack, to prevent battery drain.*

Setup

The 5000 has a manual mode, where the control settings directly affect the output signal, and a program mode, where the stored settings affect the output signal. This section describes how to use each mode and how to switch between the two modes.

Selecting the Sound Character in Manual Mode

This is the normal operation mode of the 5000.

1. Connect the instrument to the input jack of the 5000. The POWER indicator lights up in red. This shows that the 5000 is in manual mode. Starting with the controls in their center positions, adjust the controls while playing the instrument.

2. Select the sound character with the COLOR control. For an explanation of the available settings, please refer to page 15.

3. Adjust the amount of distortion with the INPUT GAIN control.

4. Adjust the volume with the OUTPUT LEVEL control.

5. Adjust the upper frequency range with the HIGH level control.

6. Adjust the lower frequency range with the LOW level control.

7. Adjust the ZNR if desired. Turn the ZNR control clockwise until noise becomes inaudible.

This completes the adjustment procedure in manual mode.

Effect changes

Pushing the pedal switch will toggle between modes as follows:

Manual → **Bypass** → **Manual** → **Bypass**

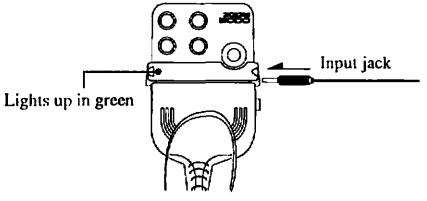
NOTE *In bypass mode, the ZNR does not operate.*

Selecting the Sound Character in Program Mode

This mode serves to store and recall a group of settings in the internal memory of the 5000. By switching between manual mode and program mode, you can quickly select two different sound character settings, for example during a performance. The optional foot switch FS01 can also be used to give you even more flexibility for mode switching.

Using the Controls of the 5000

1. Insert a cable plug into the input jack of the 5000 while pressing down the pedal switch with your foot. The POWER indicator lights up in green. This shows that the 5000 is in program mode.



2. Adjust the controls in the same way as for manual mode.

3. Push the pedal switch once more and the current settings are stored. The POWER indicator then goes out and the 5000 is in the bypass mode. The next time you choose the program mode, the stored sound character settings will become active again. The stored settings are maintained also while the unit is turned off.

NOTE ***Only the settings of controls that were adjusted after activating the program mode are stored.***
The sound may be briefly cut off while the settings are stored. This is normal and not a malfunction.

4. When you now push the pedal switch, the POWER indicator lights up in red and the unit is in manual mode. You can now adjust the controls to a different sound character setting.

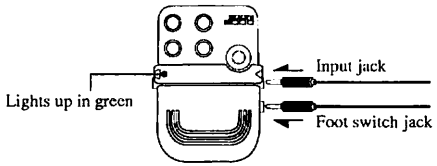
This completes the program mode and manual mode setup. Whenever you select program mode, the stored settings will be active, regardless of the current control settings. In manual mode, the current control settings are active.

Effect changes

Pushing the pedal switch will cycle through the modes as follows:

Using the Foot Switch FS01

1. Connect the foot switch FS01 to the foot switch jack and the instrument to the input jack of the 5000. The POWER indicator lights up in green. This shows that the 5000 is in program mode.



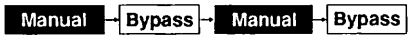
2. Adjust the controls in the same way as for manual mode.

3. Push the foot switch FS01 or the pedal switch on the 5000 and the current settings are stored. The POWER indicator then goes out and the 5000 is in the bypass mode.

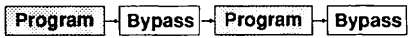
4. When you now push the pedal switch, the POWER indicator lights up in red and the unit is in manual mode. You can now adjust the controls to a different sound character setting.

Effect changes

Pushing the pedal switch will toggle between the following modes:



Pushing the foot switch FS01 will toggle between the following modes:



If you push the pedal switch and the foot switch FS01 alternately, the modes will change as follows:

(The pedal switch activates the manual mode and the foot switch FS01 the program mode.)

Pushing the pedal switch in bypass mode selects manual mode, and pushing the foot switch FS01 selects program mode.

To change the stored program mode settings, alter the control positions while the 5000 is in the program mode and then push the pedal switch or the foot switch to store the new settings.

Color Settings

You can choose between six different color variations, each with a distinct character, ranging from a sweet-warm tube amplifier sound to the sound of a large amplifier with dramatic distortion. There is also a setting to simulate the distortion character of the ZOOM 9002.

STACK 1 Simulates the sound of a large amplifier turned fully up. A distinct bass boost recreates the physical presence and sound pressure of such an amplifier. This setting is especially suitable for line connections.

STACK 2 This setting is similar to STACK 1, but with a smaller amplifier size.

COMBO 112 Medium-size amplifier with a warm tone.

R&B This setting creates a "bluesy" sound. By adjusting the amount of distortion, you can achieve effects ranging from traditional to hard blues styles.

METAL Simulates an amplifier with dramatic distortion and clearcut sound character.

ZOOM BOX This setting creates the unique distortion sound character made famous by the ZOOM 9002, using identical circuitry. This setting is especially suitable for line connections.

Even within the same color setting, you can create many sound character variations by adjusting the distortion with the INPUT GAIN control and the tonal character with the HIGH and LOW controls. Don't limit yourself to the above categories. Feel free to experiment!

Effective Use of the Program Mode and Manual Mode

By combining the program mode and manual mode, you can use the 5000 in many ways. This section describes some examples, but you will certainly be able to come up with other uses of your own.

1. Volume change for guitar lead and backing parts

Set the output level for example to a low value in manual mode and a high value in program mode. Then use the manual mode for backing and the program mode for lead solos.

2. Changing the color setting for different songs

Select a different sound character setting for manual mode and program mode, and use the two modes for different songs, such as up-tempo numbers and slow ballads. You can also switch between distortion and overdrive characteristics.

3. Change the tonal balance for different songs

Set the HIGH and LOW controls to different positions for manual mode and program mode, while using identical distortion settings. This lets you switch for example between a soft sound and sharp sound character, which is effective for slight mood changes in related songs.

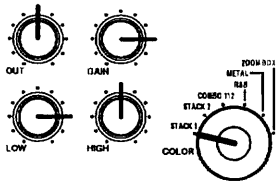
4. Switching the gain level

Set the gain for example to 0-2 in manual mode and to about 8 in program mode, and use the settings for playing arpeggios and riffs, respectively.

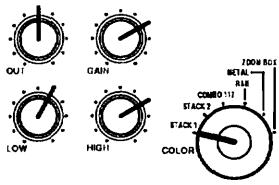
Specifications

Power supply	Six IEC R6 (size AA) batteries (supplied) AC adapter AD-0003 (option)
Power consumption	110 mA
Controls	INPUT GAIN, OUTPUT LEVEL, HIGH level, LOW level, COLOR, ZNR
Indicator	Power LED (also serves for indication of effect on/off, mode, and battery status)
Connectors	Input, Output, Foot switch
Input impedance	470 k Ω
Output impedance	620 Ω
Dimensions	116 (W) x 160 (D) x 57 (H) mm
Weight	880 g (1.96 lbs.)

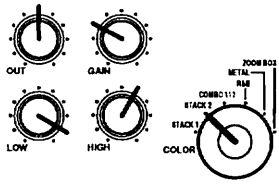
Setting Examples



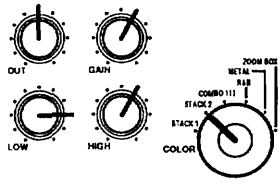
Hard Rock 1



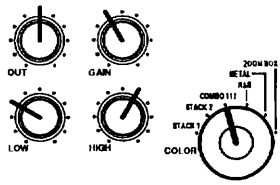
Hard Rock 2



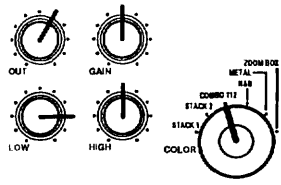
Old American Rock



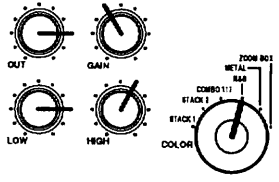
L.A. Studio



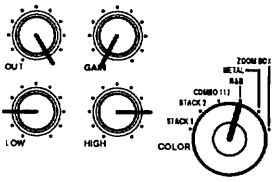
Fusion 1



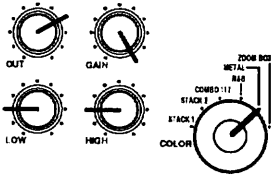
British Rock



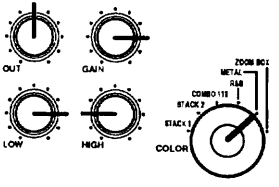
70's Blues



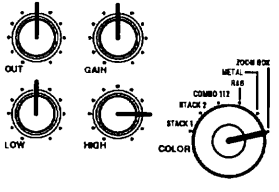
Heavy Funk



Half Wah Sound



British Progressive Rock



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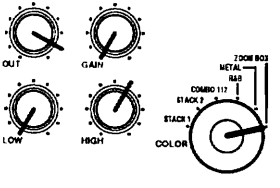
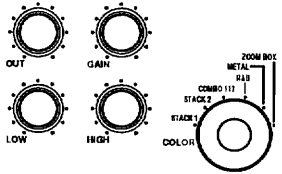
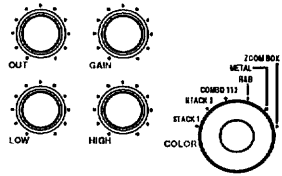
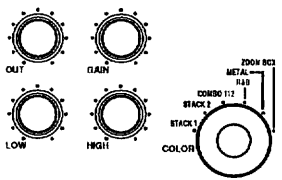


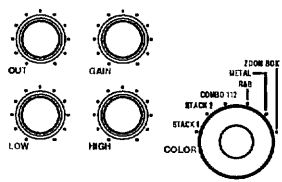
60's Rock

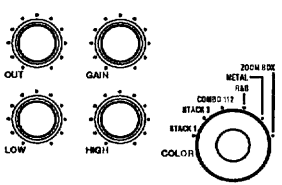
Blank Program Chart

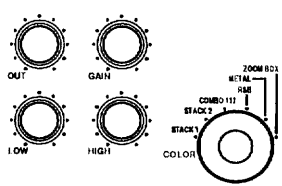












High-Tech Tools for Artistic Expression

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