Owner's manual

ROCTARY FORCE

Rotary Speaker Simulator & Polyphonic Octave

www.nuxefx.com NUX FORCE SERIES

Thank you for choosing the NUX Roctary Rotary & Poly-Octave pedal! Roctary is a pedal that combines authentic rotary speaker effect and polyphonic octave effect that can make your electric guitar sound like a vintage organ. It works for electric keyboard as well! The Roctary is a tribute for "Leslie" speaker, the legendry amplifier provides most jazz organ and guitar players' favorite sound. Especially for guitar players, we add the drive tone and polyphonic octave to get a traditional blues organ sound. Let's rock & roll to the old school music.

FEATURES

- NUX original TSAC technology accurately simulates the lush whirling chorus effect of a vintage rotary speaker cabinet, and the overdrive that generated by its tube amplifier.
- Slow and Fast with adjustable rising time. Bass/Horn and Dry/Wet balance.
- Brake function.
- "Leslie" Cabinet Simulation.
- Stereo outputs.
- Optional extensional pedal to control speed.

Accuracy

Whilst every effort has been made to ensure the accuracy and content of this manual, Cherub Technology Co. makes no representations or warranties regarding the contents.

WARNING!-IMPORTANT SAFETY INSTRUCTIONS BEFORE CONNECTING, READ INSTRUCTIONS

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION: To reduce the risk of fire or electric shock, do not remove screws. No user-serviceable parts inside. Refer servicing to qualified service personnel.

CAUTION: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of 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.

The lightning symbol within a triangle means "electrical caution!" It indicates the presence of information about operating voltage and potential risks of electrical shock.

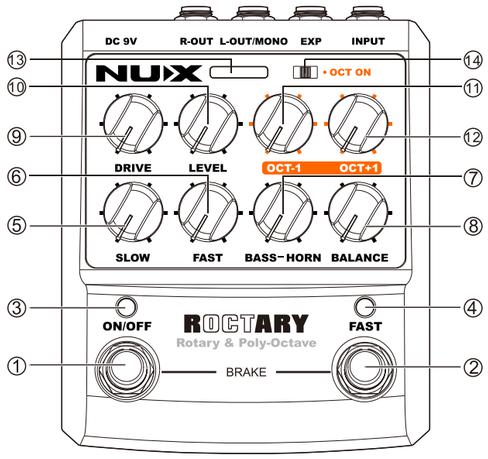
The exclamation point within a triangle means "caution!" Please read the information next to all caution signs.

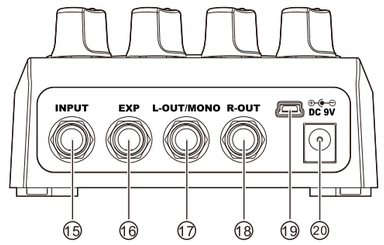
1. Use only the supplied power supply or power cord. If you are not sure of the type of power available, consult your dealer or local power company.
2. Do not place near heat sources, such as radiators, heat registers, or appliances which produce heat.
3. Guard against objects or liquids entering the enclosure.
4. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
5. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
6. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
7. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and at the point where they exit from the apparatus.
8. Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice "safe listening".

Follow all instructions and heed all warnings

KEEP THESE INSTRUCTIONS!

OPERATION





① ON/OFF Switch
② FAST Switch
③ ON/OFF LED
④ FAST LED
⑤ SLOW Knob
⑥ FAST Knob
⑦ BASS-HORN Knob
⑧ BALANCE Knob
⑨ DRIVE Knob
⑩ LEVEL Knob
⑪ OCT-1 Knob
⑫ OCT+1 Knob
⑬ Speed LED Indicator
⑭ OCT ON Switch
⑮ INPUT Jack
⑯ EXP Jack
⑰ L-OUT/MONO Jack
⑱ R-OUT Jack
⑲ MICRO USB Jack
⑳ POWER IN

1. ON/OFF Pedal
This is the bypass switch of all the effects of Roctary.

2. FAST Pedal
This is to switch between slow and fast speed.

BRAKE
Press both footswitches simultaneously to brake the rotation. The rotating effect comes back in when you press either footswitch.

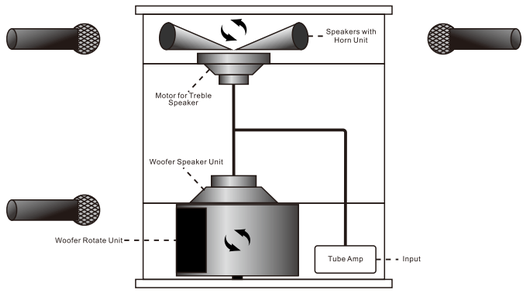
SECONDARY FUNCTION

ACCELERATION (RISING SPEED)
Hold the FAST switch, and turn SLOW knob to set the acceleration when switching between slow and fast speed. Same as the real rotary speaker cabinet, the woofer accelerates slower than the horn.

KILL DRY
Hold the FAST switch, and turn OCT+1 to zero can turn off the original dry signal, only keep the octave sound.

LESLIE CAB SIM.
Power on the Roctary while holding down the FAST switch can turn on the Leslie cabinet simulator.

Leslie Cabinet Operating Principle
In a Leslie speaker, the signal travels to an audio crossover, which splits it into separate frequency bands that can be individually routed to each loudspeaker. It consists of a single woofer for bass and a single compression driver and acoustic horn for treble. An electric motor rotates both horn and drum at a constant speed.



3. ON/OFF LED
This LED indicates the current status of ON/OFF effect.

4. FAST LED
The LED lights up when it is switched to fast speed.

5. SLOW Knob
Set the low speed of the rotary speakers.

6. FAST Knob
Set the fast speed of the rotary speakers.

7. BASS-HORN Knob
Set the level balance of the woofer and the horn.

8. BALANCE Knob
Set the balance of dry signal and the wet signal with effects.

9. DRIVE Knob
Set the overdrive amount. Turn it to min to bypass the overdrive section.

10. LEVEL Knob
Set the overdrive level.

11. OCT-1 Knob
Set the level of the -1 octave effect.

12. OCT+1 Knob
Set the level of the +1 octave effect.

13. Speed LED Indicator
This LED indicates the current speed.

14. OCT ON Switch
Turn On/Off the polyphonic octave effect.

15. INPUT Jack
This is the input jack for plugging the guitar.

16. EXP Jack
Use an optional extensional pedal to control speed.

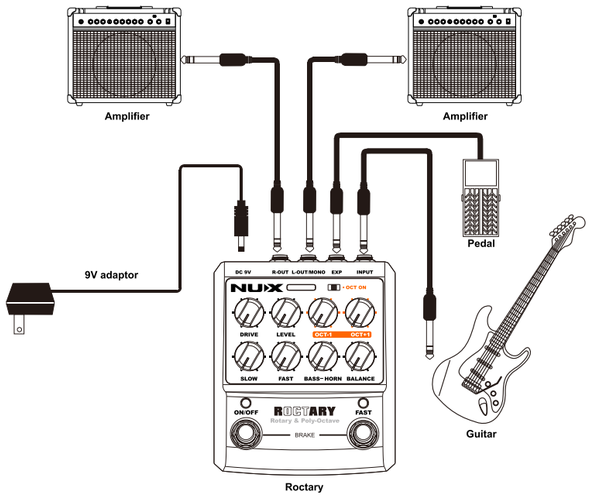
17. L-OUT/MONO
Left/Mono output jack. This jack outputs the sound from Roctary to amplifier. For mono output, just use the L-OUT/MONO jack.

18.R-OUTJack
Right output jack. This jack outputs the sound from Roctary to amplifier.

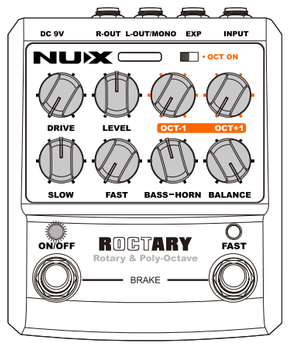
19. MICRO USB Jack
For Firmware Updating.

20. POWER IN
Connect a 9V (Negative Tip) Adapter. Optional NUX ACD-006A is recommended.

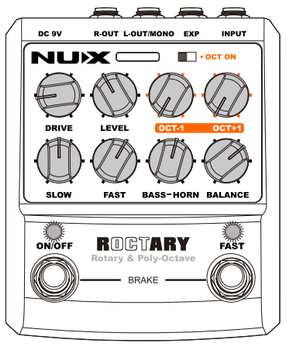
CONNECTIONS



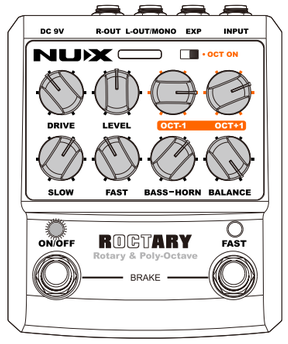
SAMPLE SETTINGS



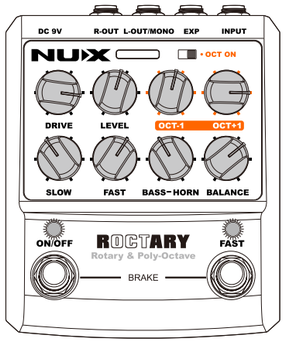
Slow Breathe



Fast Horn



Blues' Organ



Lead Organ

SPECIFICATIONS

●Sampling frequency:	44. 1kHz
●A/D converter:	24bit
●Signal processing:	32bit
●Frequency response:	20Hz～20kHz ±1dB
●SNR:	-97dBu （A-weighted）
●Dynamic range:	102dB
●Input level:	-20dBu @1MΩ
●Output level:	-20dBu @ 10kΩ or above
●Current Draw:	＜200mA
●Power:	9V DC, Negative tip（Optional Adaptor, ACD-006A is recommended.）
●Dimensions:	125(L)x108(W)x57(H)mm
●Weight:	535g

PRECAUTIONS

●Environment:
1.Do NOT use the pedal in high temperature, or high humidity, or subzero environments.
2.Do NOT use the pedal in the direct sunlight.
●Please do NOT disassemble the pedal by yourself.
●Please keep this manual for future reference.

ACCESSORIES

●Owner's manual

THE FCC REGULATION WARNING (for U.S.A.)

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.

CE mark for European Harmonized Standards

CE Mark which is attached to our company's products of Battery mains the product is in fully conformity with the harmonized standard(s) EN 61000-6-3:2007+A1:2011 & EN 61000-6-1:2007 Under the Council Directive 2004/108/ EC on Electromagnetic Compatibility.

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