

# Owner's Manual

## KOMP CORE DELUXE

# NUX

www.nuxefx.com

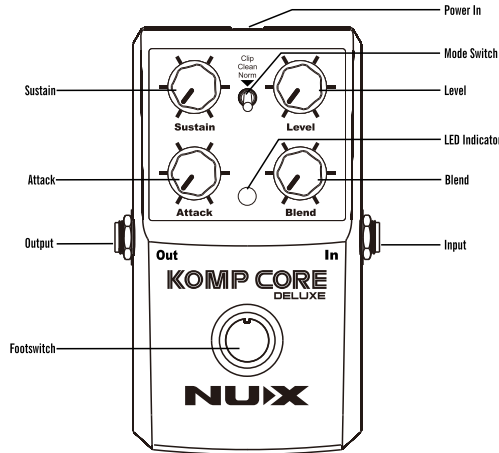
Thank you for selecting the NUX products! With years of research, we are proud to launch the new generation of the NUX pedals - The Core Deluxe Series! Based on the popular NUX Core pedals, the Deluxe series pedals have upgraded hardware circuits and new algorithm (digital models only) that ensure ultra-low noise and great tones!

Komp Core Deluxe is a multi-functioned analog compressor pedal featuring a wide variety of compressor tones. We're proud to say that it has the best sustain knob. You could give a sustain effect with low noise or frequency loss and adjust input sensitivity precisely. 3 different clip modes and precise knobs provide wide range of taste. Attack and Blend knobs are providing a good control perspective on signal.

### Features

- Analog Circuit
- (Clip, Clean, Normal) Clip Modes
- True Bypass
- Blend Circuit allows you to make balance with dry and wet signal in wide range

### Product Description



**Sustain**  
Adjusts the compression ratio and increase SUSTAIN. This is the main control of your compression effect. This will limit or "squash" your signal the harder you play. As your signal decays it will increase volume to create longer sustain.

**NOTE:** Higher sustain settings will lead to noise while not playing.

**Level**  
Set the compression mix level, set to unity to compensate for gain lost from compression, or turn it up higher for a boost effect.

**Attack**  
Compression attack time, higher parameter means faster attack time. Adjusts how fast the compressor recovers from louder signals. Faster attack times (clockwise) benefit players using higher output instruments with active or humbucker pickups. Turn counterclockwise when using lower output pickups for a nice compression bloom.

**Blend Knob**  
It is very unique knob that you can only find on Nux Komp Core Deluxe, whether you adjust wide or narrow range of compressor tone you can adjust the mix level of effected sound and balance between dry and mixed output signal. It is a good option when you want to protect your original sound as much as you want and create a custom sustain, attack and compression dial up with independent level. Combine the original signal you could get clear compression sound naturally as the tube amplifier while you tweak the volume louder, you could get more saturated sound.

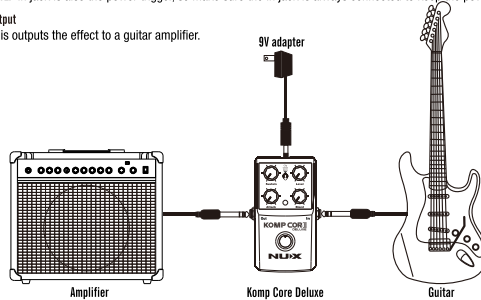
**Mode Switch (Clip – Clean – Normal)**  
This control limits the amount of signal going to your compressor. Each mode settled with good sensitivity of input, lower Blend parameters will reduce the sensitivity. Leave it all the way up (full clockwise) to fully effect sound. If your compressor produces distortion due to a higher output level from your instrument, or your compressor is over aggressive in compression, this control can be useful.

### Connection

**Power In**  
Connect a 9V (negative tip) adaptor. Optional NUX ACD-006A is recommended.  
**NOTE:** Using other adaptor may cause damage or noise.

**Input**  
This is the input jack for plugging into the guitar.  
**NOTE:** In jack is also the power trigger, so make sure the In jack is always connected to keep the power on.

**Output**  
This outputs the effect to a guitar amplifier.

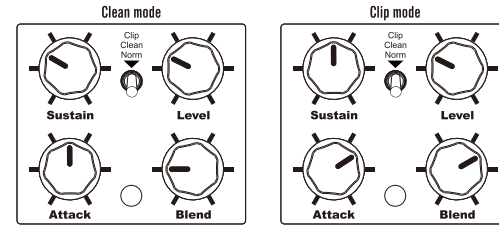


### Using Effects

- **Clip Mode**  
You can create a well-balanced sustain with a tasty compression and keep the sound as close to the tube amplifier as possible. Compression feeling can be max or less with Blend knob.
- **Clean Mode**  
It is for using the Komp Core as a sustain pedal, more sensitive compression can be adjusted with Attack and Blend knob. Less compressor feelings with soft clip will keep your original tone with more sustain.
- **Normal Mode**  
It allows you to highlight harmonic notes to create voluminous sound. Single coil pickup and slow attack rate will be blues-breaker. Keep your rhythm guitar in bypass mode and switch on the pedal when you play solo: Use the Level knob for volume and dial up high attack, long sustain and mid blend.

These parameters give a tip about sustain and compressor adjustments, if you like to keep your original sound use these dial up samples in Clean mode but if you like to change the taste you can try in Clip mode or Normal mode.

You can try various Level parameters to control the output signal level to boost your volume up or keep in original level.

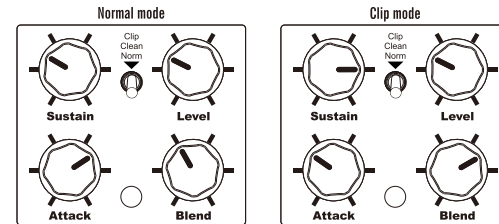


**Clean mode**  
Sustain – 3  
Level – (Depends on your bypass level)  
Attack – 7  
Blend – 2

**Clip mode**  
Sustain – 5  
Level – (Depends on your bypass level)  
Attack – 7  
Blend – 7

This is the most common dial up to create a tone shaped sound with well oriented sustain and compressed tone. A regular sustain level with low compressor feels, medium attack level range is very useful to control compressor response if you play softly. This is a tasty almost-original sound.

You can try the sustain knob between 5 and 8 but higher level does have some slight noise but it allows you to get feedback. Noise volume won't be a problem while you play, your signals will cover the noise, just hold a note and the signal will be long sustained in adjusted volume. It will improve your solo sound and each note will be clear while you shred your guitar strings. Well if you like to play more softly and hand control on strings you can use lower Attack knob parameters.



**Normal mode**  
Sustain – 3  
Level – (Depends on your bypass level)  
Attack – 7  
Blend – 4

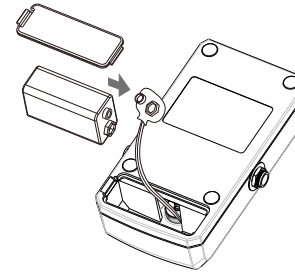
**Clip mode**  
Sustain – 8  
Level – (Depends on your bypass level)  
Attack – 3  
Blend – 7

This dial up will harmonize your sound especially in Normal mode, it provides the control of tone sensitivity with your hand in a wide clip range. Higher Attack parameters will decrease the sensitivity range so lower Blend can be useful for keeping the dry signal in background.

It is a very good dial up if you like to use and control feedback sound while you play, when you hold the last note (or chord) you can feel the soft attack also feedback will be harmonized and clipped slowly. Increased Blend level will highlight the shaped tone but slow Attack rate will make the effect softer.

### About Battery

A 9V battery is included in the package in purpose of testing. If it is powered by battery, change a new battery when the LED goes dim. To save battery life, unplug the cable from the In jack when it is not in use. A high quality pedal power adaptor (optional NUX ACD-006A) is strongly recommended.



### Troubleshooting

- Power Does Not Turn On**
- Check if the adaptor is connected correctly and securely.
  - If it is powered by battery, try a fresh battery.
  - Check if the In jack is plugged in.
- No Sound**
- Try to plug the instrument directly into this pedal and output this pedal directly to the amp, and make sure the volume of the instrument and the amplifier is turned on.
  - Check if all the cable connections are good and secure.

- Noise Problem**
- Make sure the power adaptor is with correct specifications (DC 9V, minimum 300mA,  $\oplus\ominus$ ). We strongly recommend the NUX ACD-006A adaptor. Using other adaptor may cause noise or malfunction.
  - Setting the Gain too high will generate more noise. Try to lower down the Gain. Using guitar with single coil pickups may have more noise.
  - Try to turn up the depth of the built-in Noise Reduction.
- NOTE:** Turning the depth of the Noise Reduction too high may kill the natural sustain of the note.

- Poor Sound Quality**
- Make sure all the cables are securely plugged into the pedal, guitar and the playback device, i.e. amplifiers.
  - Make sure the power adaptor is with the correct specifications (DC 9V, minimum 300mA,  $\oplus\ominus$ ).
  - If it is powered by battery, try a new battery. For longest battery life, we suggest new, high quality ALKALINE battery.

### Specifications

- Effects: 3 compression ratios
  - Nominal Input Level: -20dBu (GUITAR) +30dBu (Max.)
  - Input Impedance: 1M $\Omega$
  - Nominal Out put Level: -20dBu (GUITAR) -9dBu (Max.)
  - Output Impedance: 1k $\Omega$
  - Residual Noise Level: -84dBu
  - Current Draw: 2mA (9 V)
  - Power Supply: 9V Battery, or AC adaptor to DC 9V  $\oplus\ominus$  (optional NUX ACD-006A)
  - Dimensions: 122mm (L) x 72mm (W) x 47mm (H)
  - Weight: 250g
- \*Specification may change without notice.

### Precautions

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

### Accessories

- One 9V battery (only for testing purpose)
- Owner's manual

**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!**

**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.

©2017 Cherub Technology-All rights reserved. No part of this publication may be reproduced in any form without prior written permission of Cherub Technology.



www.nuxefx.com

Made in China