Nordland ODR-C Gain Custom Overdrive Owner's Manual

Contents

Nordland ODR-C Gain Custom Overdrive

Product Information

Specifications

- Name: ODR-C H/L
- Type: Gain Custom Overdrive
- Color: Pearl Ruby Red
- Manufacturer: Nordland Electronics
- Power Supply: 9V to 18V DC or 9V battery

Usage Instructions

Connection

- Connect the DC power supply to the DC socket D or use a 9V battery by inserting it behind the foot switch.
- Connect the input signal from your instrument or effects device to the input socket with a mono jack cable.
- Connect the output to your amplifier or other effects pedals.

Effect Operation

- Use the true bypass switch G to turn the effect on/off.
- LED F lights up when the effect is on.
- Adjust the volume H before switching on to prevent any damage.

FAQ:

Q: How do I reduce pop noises when switching on the effect?

A: Pop noises when switching cannot be entirely prevented, but allowing some time for stable operating values after connecting to a DC power supply can help reduce the noise.

Product safety information
Overdrive effect pedal for guitar or bass

- Model ODR-C H/L
- Manufacturer: Nordland Electronics,
- In de Krümm 6, 21147 Hamburg, Germany
- Responsible person: Kai Tachibana,
- In de Krümm 6, 21147 Hamburg, Germany
- Email: **gpsr@nordland-electronics.de**
- Please read this manual carefully!
- After reading, keep this document where it will be available for reference.

Introduction

For the 30th anniversary of the Overdrive ODR-1, which I developed in 1992, I released a limited edition (200 units) at the end of 2022. Demand was so high that I sold out in no time. After that, I was repeatedly asked whether I should make this version again.
Further information and a current version of these instructions are always available on my website:
https://nordland-electronics.com

Operation

Velcro or rubber feet?
A set of rubber feet is included. These can be glued on if the Velcro is not to be used. Remove the protection film and attach the rubber feet as close to the edge as possible!

Connection to a DC power supply:
A standard DC power pack with a voltage of 9 V to 18 V (hum-free, electronically stabilized!) is connected to the DC socket D.

Connection to a 9 V battery:
After removing the base plate E (4x Phillips screws), a 9 V block battery (recommended: alkaline manganese) can be connected to the clip and inserted behind the foot switch.

Connection

The output signal from the instrument or from an effects device is connected to the input socket ▼ with a mono jack cable (1/4″ or 6.3 mm plug).

A jack cable to the following device (amplifier, additional effects pedal, etc.) is also connected to the output▲.

Effect On
The effect is switched on/off with the true bypass switch . When the effect is switched on, the LED F lights up. When the effect is off (LED F = off), the signal is routed from the input jack directly to the output jack via the footswitch.
Before switching on the device, please make sure that the volume H is set so low that impairments or damage of any kind (health: hearing, electrical: loudspeakers, amplifiers) can be ruled out.
Note: Pop noises when switching cannot be prevented 100%. Especially after connecting to a DC power supply, it can be a bit louder the first few times when switching. It just takes a while until the operating values are stable. After that it gets quieter.

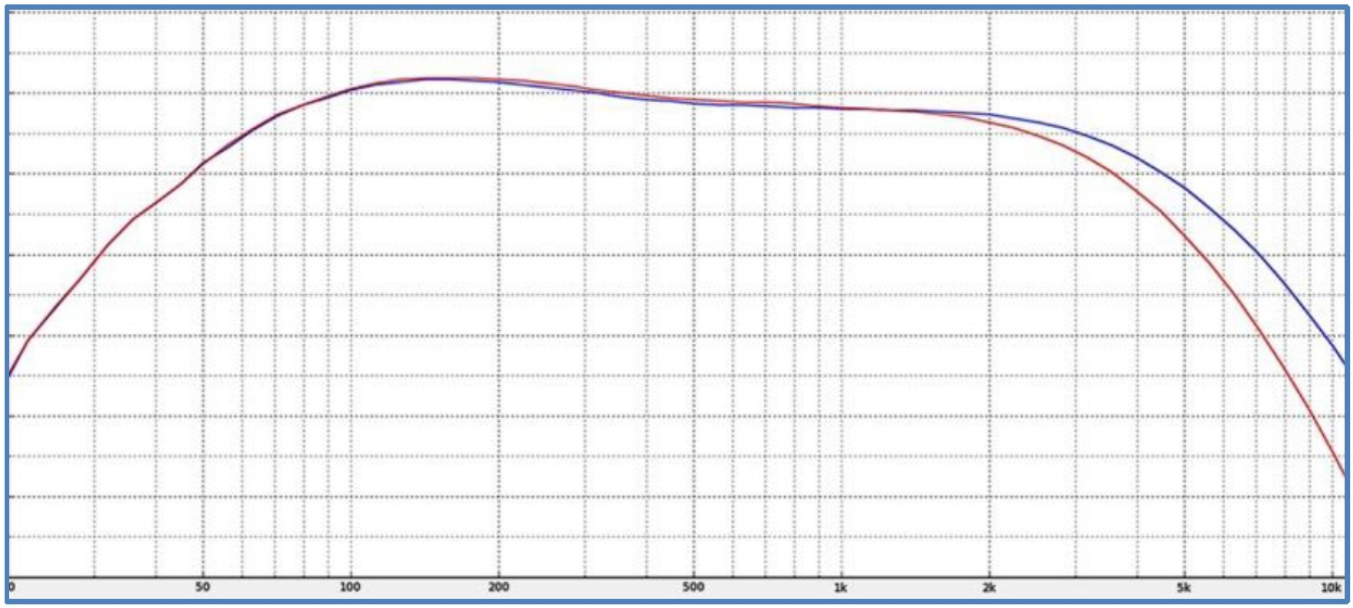
LED brightness control 5
The knob is inside next to the battery compartment. To do this, please unscrew the base plate!

Presence Switch
This switch is located inside the device like the LED brightness knob.

- Red is normal (Presence = OFF)
- Blue is Presence = ON*

is highly recommended for low-gain operation!

Level 7
This knob is used to set the output volume.

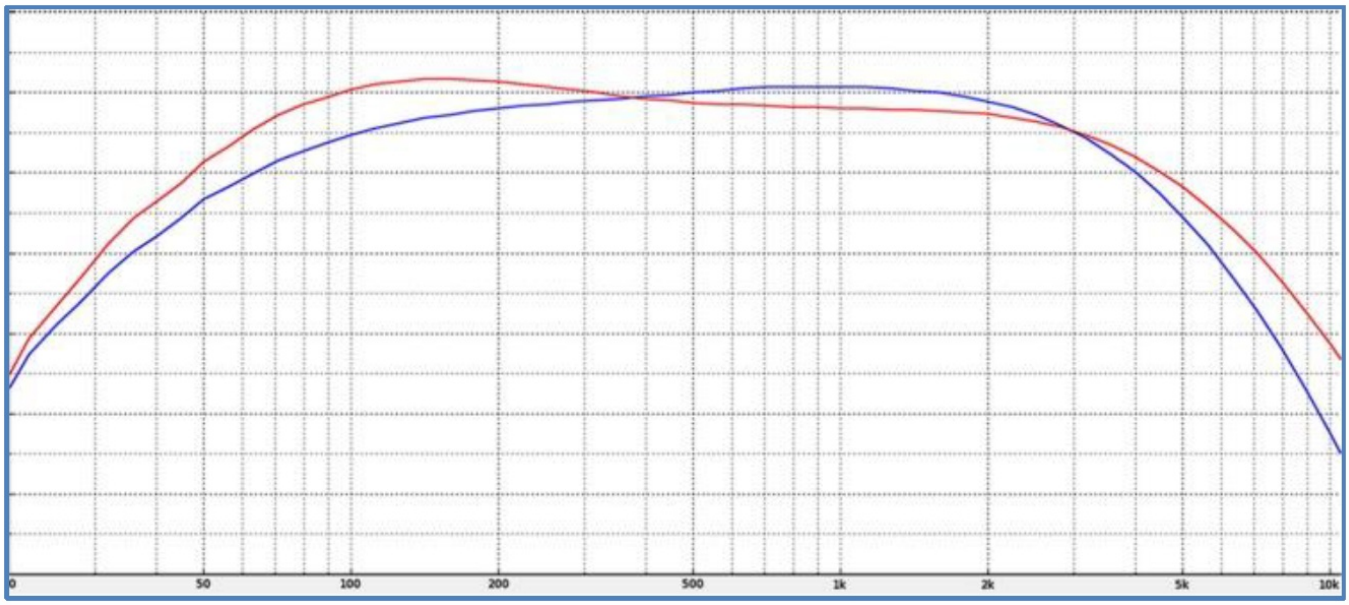


Drive 8
This knob set the degree of overdrive. The overdrive can be set between “almost clean” and “massively overdriven”. This clipping limits the signal and therefore it sounds more compressed (longer sustain) and generates a lot of harmonics.
The volume changes depending on the position. Then adjust the volume with the level control H if necessary.

HI/LO Switch 14
This changes the control range of the Drive knob I. This enables a finer adjustment of the low-gain operation.

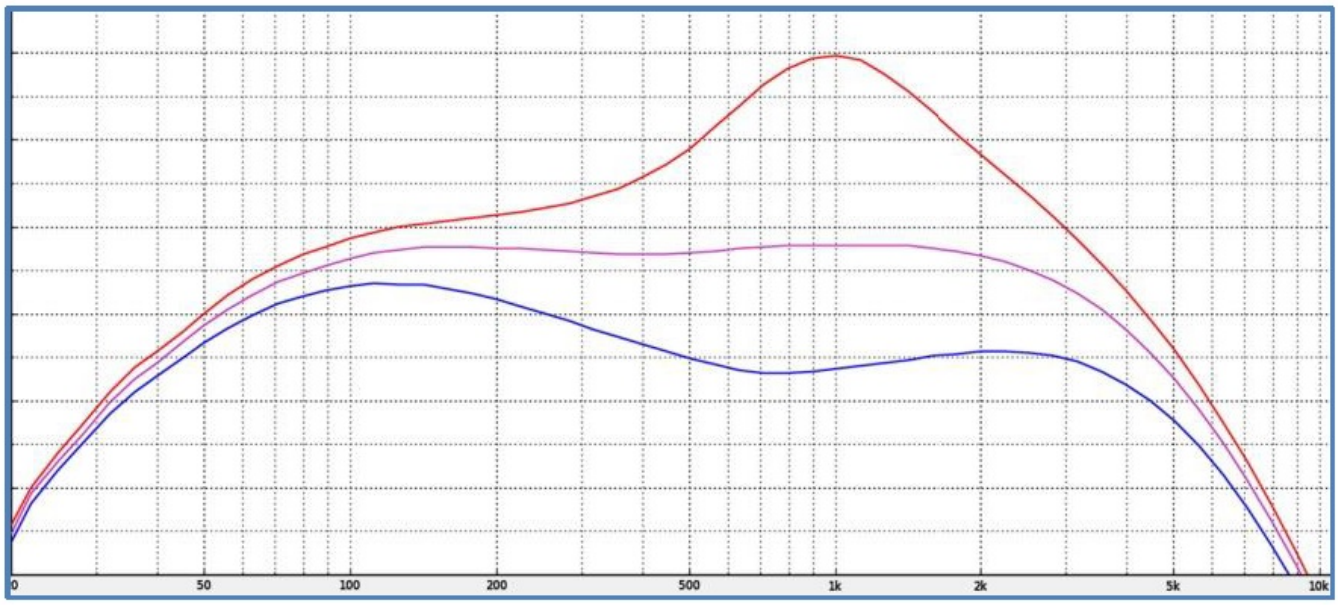
- Switch up: Normal mode LED 5 lights in blue.
- Switch down: Low-gain mode 5 LED F lights in red.

O.D.C. / Overdrive-De-Compress 11
This knob reduces the compression of the overdrive stage. This makes the sound more dynamic (sounds more open), more central and also a bit louder. The effect is subtle and becomes more audible the more the Drive knob is turned up.



Lo-Cut 12
This knob takes out the low frequencies (bass):

- Left stop: Red
- Right stop: Blue

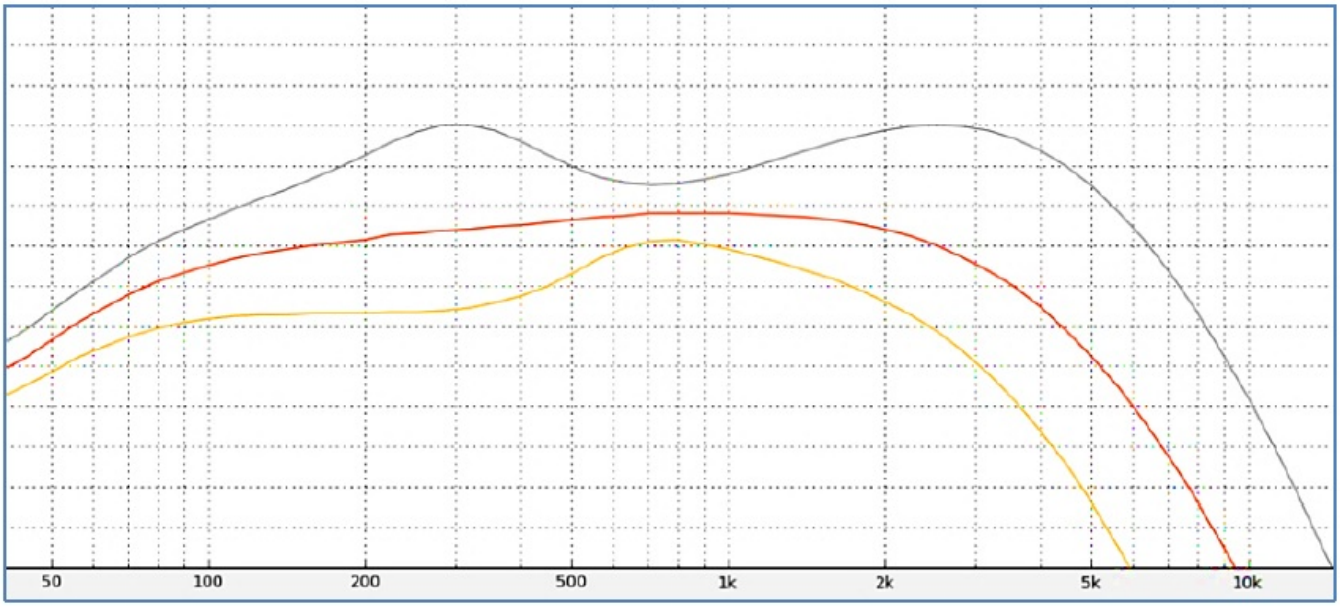


Bonus: When the knob is turned all the way to the right (orange), the clipping (about 3 o'clock position) increases again to counteract the reduced distortion!

Mid 10
This knob controls the mid frequencies:

- Right stop: Red
- Mid: Purple
- Left stop: Blue
- (Lo-Cut: Mid)

Spectrum 9
This knob has always been special! In contrast to other devices on the market (called tone or treble controls), which simply cut the highs of the signal (= control them dull), I use active electronics that do not only control the highs (~ 1 kHz), but also the lower mids (~ 300 Hz).



Technical Data

- Input Impedance ~1 MΩ
- Output Impedance ~1 kΩ
- Power supply with DC 9 V battery:
  - Dry battery 6F22 (9 V)-Type (Carbon)
  - Dry battery 6LR61 (9 V)-Type (Alkali-Manganese)
- Battery life during continuous operation:
  - Carbon: approx. 20 hours (calculated with a battery capacity of 300mAh)
  - Alkaline manganese: approx. 33 hours (calculated with a battery capacity of 500mAh)
- DC power supply 9 V to 18 V (electronically stabilized)
- Power consumption: approx. 15 mA at 9 V, approx. 25 mA at 18 V
- Dimensions 125 (L) x 66 (W) x 58 (H) mm
- Weight ca. 380 g (without Battery)

Important Notes / Safety Instruction

- DC voltages above 20 volts could damage the ODR-C!
- Do not use the ODR-C in a humid, dusty, dirty, or hot environment.
- Liquids of any kind can damage the device. (Keep your cat away!)
- Do not use harsh detergents. If necessary, the ODR-C should be cleaned with a soft cloth.
- This manual describes the specifications and details of the device when this document is published.
- Technical and written changes reserved!

Batteries

- Improper handling of batteries can cause them to explode or leak. Therefore, always observe all safety instructions regarding the batteries.
- If the device is powered by a battery, the decreasing capacity LED will be dimly lit. Then the battery should be replaced.
- When changing the battery, the cables at the connections (input, DC, output) must be removed beforehand! This prevents possible malfunctions or damage.
- Inserting a mono jack plug into the input socket switches the device on! Please keep this in mind when using the battery and pull out the jack plug when switching off.

[redacted] **WEEE-Reg.-№: DE59471800**

Documents / Resources

	Nordland ODR-C Gain Custom Overdrive [pdf] Owner's Manual ODR-C Gain Custom Overdrive, ODR-C, Gain Custom Overdrive, Custom Overdrive, Overdrive

References

- electronics.de
- User Manual