

NUX
MINI CORE SERIES



www.nuxaudio.com
Made in China

NCH-4 UKIYO-E CHORUS
User manual

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Accuracy

Whilst every effort has been made to ensure the accuracy and content of this manual, Cherub Technology Co., Ltd. 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!

Overview

UKIYO-E CHORUS (NCH-4) is a mini chorus pedal with 3 different chorus models including ST Chorus, SCH-1, and CE-1. You can switch the models by tapping the tap switch. Old-school Analog Chorus has always been warm but it was hungry for dynamic completion.

NUX's modern-tech DSP yields a perfect combination of both worlds: analog and digital. To achieve all of the UKIYO-E Chorus objectives, our engineers had to develop an algorithm that mimics the principles of BBD chips - the key component of Analog Chorus effects. UKIYO-E's active low-frequency provides the Traditional Analog Chorus Tone discerning ears have come to expect in a true analog chorus pedal. Dynamic Tone and Noise-Elimination ability put UKIYO-E into a completely separate category from cheap analog pedals.

Quality-grade BBD chips in large mass have become incredibly rare, so this method is not practical for making an affordable analog chorus device.

Using DSP technology, NUX is able to offer a mini-pedal with a contrasting array of chorus tones.

ST Chorus got inspired by MXR® Stereo Chorus, which is gorgeous sounding. We've consolidated the controls by eliminating the bass and treble knobs, now internally set at middle position, and we've eliminated the need for the bass filter altogether, which is now automatically corrected through the advancements of Core-Image™ sound modeling.

SCH-1 tributes to ARION® SCH-1, one of the best sounding vintage analog choruses, producing an incredible variety of authentic tones, anything from subtle, clean chorus to a pretty realistic Leslie effect.

CE-1 is based on the legendary BOSS® CE-1 which was the first chorus effect pedal arrived on the scene in 1976.

Before that, it was only available as a built-in effect on a classic jazz amplifier. UKIYO-E exactly replicates the characteristic of this pedal, that special warmth of a rich jazz atmosphere, an immediate recognizable highlight to any musician's tone.

UKIYO-E CHORUS offers True-bypass and Buffer-bypass (Trails), just hold the footswitch to boot-up the pedal (do not connect USB). The footswitch indicator will show you the bypass status. (While you boot-up the pedal, if the FS indicator flashes "Green"=BF, "Red"=TB.)

Mini but mighty! It also supports Stereo input & output. (Use 1/4" TRS plug, and choose Stereo mode.)

**All of the brand and model names mentioned on this page are Trademarks of their respective owners, which are in no way associated or affiliated with NUX Effects and Cherub Technology CO. LTD.*

Operation



Control Panel

INTENSITY knob

Controls overall amount of effect. (While you are in SCH-1 model, the knob becomes TONE knob to adjust the high frequency response of effect.)

WIDTH knob

Adjusts the sweep range.

RATE knob

Adjust the speed. While you set the knob parameter at the position as your desired sub-division, then you can smart tap the footswitch to get sub-division chorusing speed related to tap tempo.

TAP switch & indicator

Short press it, you can switch the chorus models. “Off”=ST Chorus, “Red”=SCH-1, “Blue”=CE-1.

Hold the TAP switch to boot-up the pedal can choose “Mono” or “Stereo”. While you boot-up the pedal, if the Tap Switch Indicator flashes “Blue”=Mono, “Red”=Stereo.

FOOTSWITCH & FS INDICATOR

Press once to engage/disengage the effect. Press twice, it will become Smart Tap Tempo. In the meantime, the chorusing speed is related to tap tempo and current sub-division parameter. (The FS indicator will flash as current BPM.)

While the effect is engaged, the FS indicator will show “Red”. While the effect is disengaged, the FS indicator will turn off.

I/O Jacks

DC jack

Use ONLY: 9V Negative Tip power with more than 100mA. (The power consumption is less than 100mA.)

USB-C port

The USB-C port is for firmware update. Connect USB cable to a PC and hold the footswitch to boot-up the device and to enter the DFU (Device Firmware Update) mode. Once connected you can do firmware updates using DFU updater software.

You can download the related firmware and firmware update guide from product page.

INPUT

Connect the cable from guitar side.

It also supports Stereo input & output. (Use 1/4" TRS plug, and choose Stereo mode.)

OUTPUT

Connect the OUTPUT signal to amp side.

It also supports Stereo input & output. (Use 1/4" TRS plug, and choose Stereo mode.)



Specifications

- Input Impedance: 1M Ω
- Output Impedance: 10k Ω
- Dynamic Range: 103dB
- DSP Processing: 48kHz / 32bit
- A/D D/A Sampling Rate: 48kHz / 24bit
- Power: 9V DC (Negative tip, Optional ACD-006A adapter)
- Current Draw: less than 100mA
- Dimensions: 94mm(L) x 51mm(W) x 53mm(H)
- Weight: 175g

Accessories

- Owner's manual

* Specification may change without notice.

Features

- 3 chorus models in the mini enclosure
 - ST Chorus: Gorgeous sounding chorus
 - SCH-1: Clean chorus to a pretty realistic Leslie effect
 - CE-1: Special warmth of a rich jazz atmosphere
- Sub-division with Smart Tap Tempo
- True-bypass or Buffer-bypass(Trails)
- Supports Stereo
- Low power consumption. (less than 100mA)
- Analog dry signal for low noise and zero latency

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.

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