

QUADRANT

AUDIO MIRROR

ALEXANDER

Journey with us into the Quadrant - four unique effects hailing from a distant delay dimension. We hold a mirror up to your music, and reflect the echoes from a parallel universe.

Magnetic, analog, digital, and lo-fi delays await within, coupled with the power of our Neo Series platform to provide a unique but familiar echo experience.

The sonic scientists at Alexander Pedals have been working overtime to cram the most pedal into the smallest box, and we now present the Neo Series! Each Neo Series pedal incorporates an advanced 32-bit microcontroller adding presets, expression, and MIDI capability.

**NEO
SERIES**

GETTING TO KNOW YOUR NEO

USB Mini-B
MIDI or firmware update

DC 9V
80mA, center negative

MultiJack
Expression, Footswitch, or MIDI

Output
Stereo output on ring



Select Button
Hold to access ALT knobs

Input
Instrument or line level

Tap Switch
Tap to set tempo, hold to change subdivision

Bypass Switch
Tap to bypass, hold for next preset

CONTROLS

Controls in parentheses () are accessed by holding down the Select button and turning the indicated knob.

Rate: Controls the delay time from 0-1220ms (requires firmware v1.07a or higher.) If Glide is disabled, the time will adjust seamlessly. If Glide is enabled, the time will pitch-shift and get all “rubber-bandy” (technical term.)

(Tone): Controls the tone of the delay engine. Controls the grunge and grit of the LOFI mode.

Feedback: Controls the repeat level of the delay. The BBD and LOFI modes will go into infinite / runaway feedback.

(Glide): Controls the delay time change method. If Glide is set to less than 12 o'clock, the delay time will adjust seamlessly when tapped or adjusted with the Time knob. If Glide is set to greater than 12 o'clock, the delay time will pitch shift when adjusted.

Mix: Controls the blend between the dry and delay signal. Equal mix is at 12 o'clock.

(Level): Controls the overall output level of the pedal, from -20dB to +10dB. Unity gain is near 1 o'clock.

Mod: Adjusts the depth of the delay modulation.

(Rate): Adjusts the rate of the delay modulation.

EFFECT MODES

Tap the Select Button to move to the next mode.

MAG - Magnetic tape echo, warm and rich. The MAG mode captures the frequency response of the tape heads and preamp of a vintage tape delay. The Mod knob controls the “wow” or “flutter” of the tape. Each delay repeat loses both treble and bass, for a warm and compressed sound. The Tone knob controls the age of the tape, making the echo brighter or darker.

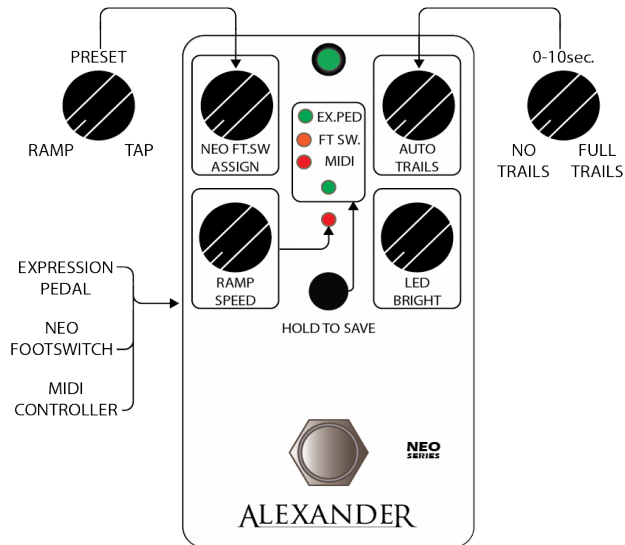
BBD - Analog delay, murky and wet. The BBD mode is based on a classic solid-state analog echo. This mode is capable of infinite repeats for the classic analog delay “spaceship” tone. The Mod knob adds analog chorus or vibrato. The Tone knob controls the analog delay filter.

DIG - Digital delay, bright and present. The DIG mode captures the sheen and clarity of the early digital delays. Each repeat sounds just like what you put in, with the classic digital “clang” you will either love or hate. The Mod knob adds wide-ranging pitch modulation, be careful! The Tone control sweeps the delay between low-pass and high-pass filtering for a wide range of delay tones.

LOFI - How can we put this? This mode sounds terrible. Don't use it. It's all dirty and grungy and sounds like you're playing through a payphone or an AM radio. Roll the Tone control down to clean things up a little, or crank it for minimum fidelity.

CONFIGURING YOUR NEO PEDAL

Power on the pedal while holding the Select button to enter configuration mode. Release the button when the main LED turns violet.



Tap the Select button to choose the MultiJack function. The upper program LED will change colors to indicate the function. Green = Expression Pedal, Orange = Foot Switch, Red = MIDI

Connect a MIDI controller to the EXP port and send a program change to set the Neo Pedal's MIDI channel.

Turn the upper left knob to select the Neo Footswitch configuration. Counter-clockwise = Ramp, Mid = Preset Advance, Clockwise = Tap Tempo.

Turn the lower left knob to set the Ramp Morph speed. The lower program LED will change colors to indicate the speed setting. Green = slow, Orange = medium, Red = fast.

Turn the upper right knob to set the AutoTrails configuration. Lower settings disable trails, higher settings enable trails and increase the trails time.

Turn the lower right knob to set the main LED brightness.

Hold the Select button to save the configuration and exit.

BYPASS AND PRESETS

Tap the foot switch to toggle the pedal between bypass and active. Both the dry signal and the bypass signal are buffered and 100% analog. The pedal features our exclusive AutoTrails feature that allows the wet signal to continue after the pedal is bypassed, with a timer that smoothly turns the wet volume down over time to eliminate noise.

Hold the bypass footswitch to move to the next preset. The Neo Series pedals have 16 presets, four of which are accessible on the pedal itself. The main LED will blink one, two, three, or four times to indicate the current preset.

Hold the select button down, then hold the footswitch down to save. The pedal will save the current settings to the active preset. The main LED will blink to indicate the preset has been saved.

If you choose to connect a Neo Footswitch or a standard footswitch to the MultiJack, you can configure it to change presets on the pedal. Tapping the footswitch will advance one preset, holding will move back one preset. If you connect a Neo Footswitch, its LED will show the current preset: Red = 1, Green = 2, Blue = 3, Violet = 4.

TAP TEMPO AND SUBDIVISIONS

Tap tempo for delay effects is easily one of the great miracles of the modern age. It's not super-complicated, just tap the left footswitch a few times and the pedal will set its tempo to match your tapped rhythm. You'll see the upper LED blink in time while you're tapping, and the lower left LED will keep blinking to indicate the tempo.

If you'd like the delay to use a different subdivision than what you tapped, you can hold the tap footswitch to select between three different options. The upper LED will show BLUE for quarter-notes (default,) GREEN for dotted-eighth notes, and RED for eighth notes.

Both the tempo and the subdivision will be stored in the preset you're using should you decide to save.

If you choose to connect a Neo Footswitch or a standard footswitch to the MultiJack, you can configure it to send tap tempo to the pedal. Tapping the footswitch will set the tempo, holding it will change the subdivision. If you connect a Neo Footswitch, its LED will blink to show the tempo.

You can also use MIDI to control the tempo of the pedal. Send a MIDI CC93 with any value to tap the tempo for the pedal. You'll need to send at least two MIDI taps to set the tempo. You can also use MIDI Clock (sometimes called MIDI Beat Clock) to set the delay time and tempo. The subdivisions setting will affect the tempo when set by MIDI.

EXPRESSION AND RAMP MORPH

The Neo Series feature a comprehensive expression control setup. Connect an expression pedal to the Neo pedal MultiJack (red) and sweep its treadle until the heel is down. Turn the knobs to your desired setting. Now sweep the expression pedal until its toe is down, and turn the Neo pedal's knobs to a new setting. You should now be able to sweep the expression pedal and hear the change in the Neo pedal! Please note that the Neo pedal's physical knobs won't move when you sweep the expression pedal but the pedal settings will change internally. The main LED will fade in and out to indicate the expression pedal position.

If you set up the EXP port on the Neo pedal for use with a foot switch, you can use it in the same way as the expression pedal. Tap the foot switch to make the Neo pedal Ramp down, then tap again to Ramp up. You can adjust the knob positions at these two settings and the Neo pedal will ramp between them at the speed you selected in setup. Neat!

If you prefer to use MIDI commands to control your pedal, both Expression and Ramp are accessible using MIDI continuous controller (CC) messages. Please consult the MIDI Control section for more details.

Please note that both the main AND alternate knob functions may be controlled by the expression or ramp controls!

MIDI CONTROL

Connect a compatible MIDI controller to the Neo pedal to access its full feature set!

The Neo pedal can accept MIDI over USB from a computer or mobile device, or from a MIDI controller using a 1/4" cable. The Neo pedals are compatible with interface converters made by Disaster Area Designs and Empress.

The following commands are accepted by the Neo pedal:

MIDI Program Change: Load Presets 0-15

0-3 are the four Red presets on the pedal itself.

4-7 are the Green bank

8-11 are the Blue bank

12-15 are the White bank

MIDI Continuous Controller 93: Tap Tempo

MIDI Continuous Controller 97: Ramp

Send value 1-8 to set the ramp speed

Send any other value to trigger the ramp

MIDI Continuous Controller 100: Expression Pedal

Value 0 = Heel down, Value 127 = toe down

MIDI Continuous Controller 102: Bypass

Value 0-63 = Bypass, Value 64-127 = Engage

MIDI Continuous Controller 50-57: Pedal Knobs

Value 0 = CCW, Value 127 = CW

CC 50 = Lower right main

CC 54 = Lower right alt

CC 51 = Upper left main

CC 55 = Upper left alt

CC 52 = Upper right main

CC 56 = Upper right alt

CC 53 = Lower left main

CC 57 = Lower left alt

MIDI Continuous Controller 59: Mode Select

Accepts values 0-7 to select modes 1-8.

(Not all Neo pedals support the full 8 modes.)

MIDI Channel Assignment:

Set the Neo pedal to Config mode by holding Select at boot, then send a MIDI program change on your desired MIDI channel to set the Neo pedal's MIDI channel. Hold the Select button to save the MIDI channel assignment.

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GREAT TONES. DOING GOOD.

404 E. Main St, Garner, NC 27529 (919) 977-6665 alexanderpedals.com