

## USER MANUAL

V1.0

### 12V DC

Connect the included AC adapter (12V DC, 0.5A, center positive) here. Always connect all other cords before plugging in the AC adapter. The Mini Vent II can not be powered by batteries.

### IN

This jack accepts mono guitar, organ and keyboard signals.

### OUT L , OUT R / MONO

The mini Vent II provides a stereo output. If you just need a mono signal the R / MONO output delivers the best quality, particularly in STOP mode.

### A-B

Switches between two programmable settings of the mini Vent II. See > Programming.

### BYPASS

Turns the rotary effect on and off. When the red LED lights up, the effect is active, when it's off the signal is relayed to both outputs via a true bypass circuit. The last bypass state is memorized and will be recalled on next power up.

### SLOW / FAST

Switches the rotors to slow (Chorale) or fast (Tremolo) speed. The yellow LO and red HI LED indicate the current speed of the virtual rotors.

### STOP

Pressing both the Bypass and Slow/Fast switch at once causes the rotors to stop.

The rotors always stop in the front position. By pressing Bypass and Slow/Fast again the mini Vent II returns to the previous selected speed, while pressing Slow/Fast always selects slow speed.

## Programming

Several internal parameters can be changed to your own taste. The settings can be stored to either switch position A or B. Settings are stored to flash memory so that there's no reprogramming necessary on next power up.

1. Power up the mini Vent II while holding the Slow/Fast switch for at least 3 seconds  
This enters the edit routine and the effect will be switched on. Rotor speed will be switched automatically between Slow and Fast every 10 seconds.
2. Set the A-B switch on the back according to the setting you want to edit
3. The LO LED shows which parameter is selected. The following parameters can be edited:

Parameter	Funktion	Anzeige
SPEED	Adjusts slow and high speeds for the treble and bass rotor	LO LED blinking 1x, then pause
BALANCE	Adjusts the volume relation between treble and bass rotor	LO LED blinking 2x, then pause
DRIVE	Amount of distortion (off,1,2,3,max)	LO LED blinking 3x, then pause
DISTANCE	Adjusts the distance of the virtual mics to the rotors	LO LED always blinking
MODE	Switches the Cabinet Simulation off/on (GIT mode / KEY mode)	LO LED constantly on

On entering the edit routine, the SPEED parameter is always selected first. To select the next parameter press the BYPASS switch once. After reaching the last parameter (MODE), the next button press will select the first parameter (SPEED) again.

**4.** The High LED shows the current parameter value:

Parameter	Value	Display	Factory Setting
SPEED	-3	HI LED blinking 1x, then pause	
	-2	HI LED blinking 2x, then pause	A
	-1	HI LED blinking 3x, then pause	
	0 (Standard 122)	HI LED always blinking	B
	+1	HI LED constantly on	
BALANCE	-2	HI LED blinking 1x, then pause	
	-1	HI LED blinking 2x, then pause	
	0	HI LED blinking 3x, then pause	A
	+1	HI LED always blinking	B
	+2	HI LED constantly on	
DRIVE	1 (off)	HI LED blinking 1x, then pause	A
	2	HI LED blinking 2x, then pause	
	3	HI LED blinking 3x, then pause	
	4	HI LED always blinking	B
	5	HI LED constantly on	
DISTANCE	1 (short distance)	HI LED blinking 1x, then pause	
	2	HI LED blinking 2x, then pause	B
	3	HI LED blinking 3x, then pause	
	4	HI LED always blinking	
	5 (long distance)	HI LED constantly on	A
MODE	Cabinet Simulation off (GIT mode)	HI LED blinking 1x, then pause	A
	Cabinet Simulation on (KEY mode)	HI LED constantly on	B

To select the next value press the SLOW/FAST switch once. After reaching the last (maximum) value the next button press will select the first (minimum) value again.

**5.** Toggle the A-B switch if the other memory shall be edited too and repeat the previous steps

**6.** When editing is finished press Bypass and Slow/Fast simultaneously and hold for at least 2 seconds. Settings will be stored and the mini Vent returns to play mode (effect on, slow speed).

### Factory reset

To reset all internal settings to factory default, hold both switches for at least 3 seconds while powering up the mini Vent II. As a confirmation the LO and HI LED will blink 4 times.

## Switch mode

You can change the behaviour of the foot switches with this routine. For example the BYPASS switch can be assigned as STOP switch, while BYPASS is being accessed by pressing BYPASS and SLOW/FAST together. Settings are stored to flash memory so that there's no reprogramming necessary on next power up.

1. Power up the mini Vent II while holding the BYPASS switch for at least 3 seconds  
This enters the edit routine.
2. The LO and HI LED show the current status. Here's a list of all options:

Display	Function		
	(Pressing BYPASS)	(Pressing BYPASS + SLOW/FAST)	(Pressing SLOW/ FAST)
LO LED blinking 1x	Bypass Function	Stop Function	Slow/Fast Function
LO LED constantly on	Stop Function	Bypass Function	Slow/Fast Function
HI LED blinking 1x	Slow/Fast Function	Stop Function	Slow/Fast Function
HI LED constantly on	Slow/Fast Function	Bypass Function	Slow/Fast Function
LO and HI LED constantly on	Slow/Fast Function	Slow/Fast Function	Slow/Fast Function

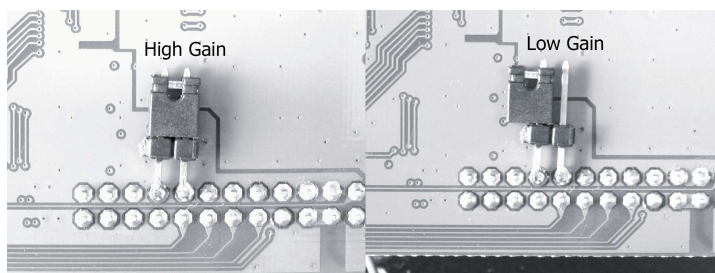
To select the next setting press the SLOW/FAST switch once. After reaching the last setting the next button press will bring you to the first setting again.

3. When editing is finished press Bypass and Slow/Fast simultaneously and hold for at least 2 seconds. Setting will be stored and the mini Vent returns to play mode (effect on, slow speed).

## Input Gain Select

The mini Vent II is set to Hi Gain input from the factory to get the most out of the DRIVE section when used with low to medium output instruments. If an instrument with hotter output signal is connected (e.g. Humbucker guitars and some organs) and you notice clipping, the mini Vent can be switched to Lo Gain. When using the mini Vent II in an Effects loop, the Lo gain setting is also recommended.

1. Unplug the AC adapter of the mini Vent
2. Unscrew the 4 screws on the bottom and open the enclosure
3. Find the jumper soldered flat on the PCB board (see picture below)
4. Remove the jumper and attach on one of the pins only
5. Attach the bottom cover with the 4 screws



## **Warranty terms**

Neo Instruments extends a warranty covering all verifiable defects in material and workmanship for a period of 12 months from the date of original purchase. Statutory warranty rights remain unaffected hereby. The warranty covers the remedying of manifest defects by replacing or repairing defective parts. Any other claims, in particular those for a reduction in price or cancellation of contract, may only be made after an attempt to rectify the defect or deliver a replacement has failed.

The warranty does not cover damage incurred during transit, as well as damage caused by non-compliance with the operating manual and improper or negligent handling of the device. Beyond that, the warranty does not cover defects or damage caused by acts of God (including but not limited to lightning, floods, etc.) or other external influences, as well as mechanical damage or flaws that are not attributable to manufacturing defects. If defects occur during the warranty period, please contact us at the following address:

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