

electro-harmonix

NANO LOOPER 360

Compact Looper

Congratulations on your purchase of the Nano Looper 360! The Nano Looper 360 is a small, extremely easy to use looper with a total of 360-seconds of loop recording time. Not only that, the available 360 seconds can be divided into 11 different Loops, so you get the most out of the available memory! You can think of the Nano Looper 360 as your very own "Loop Locker."

WARNING: Your Nano Looper 360 comes equipped with an Electro-Harmonix 9.6DC-200BI power supply (same as used by Boss® & Ibanez®: 9.6 Volts DC 200mA). The Nano Looper 360 requires 90mA at 9VDC with a center negative plug. Using the wrong adapter or plug polarity may damage your unit and void the warranty.

– FEATURES –

- 6 minutes of loop recording time
- 11 selectable, independent Loops, that remain in memory until you erase them
- High quality, uncompressed audio: 24-bit A/D/A, 44.1kHz Sample Rate
- Intuitive looping interface
- Undo-Redo function
- Unlimited overdubbing
- Small pedal board footprint
- AC Adapter Included
- Optionally may use 9V Alkaline Battery, battery life: approximately 4 hours of operation (varies on conditions of use)

– CONTROLS –

LEVEL Knob – Controls the output level of the Loop. Your dry signal remains at unity signal level from input to output. The dry signal also remains analog throughout the 360.

LOOP Knob – Selects Loop number: 1-11. When scrolling through loops, the **MEM LED** flashes quickly during transitions. If the loop has no recorded memory, the **MEM LED** remains off. If the loop has recorded memory, the **MEM LED** remains on and playback can begin.

INPUT Jack – This ¼" jack is the audio input for the Nano Looper 360. The input impedance is 2.2MΩ.

OUTPUT Jack – This ¼" jack is the audio output from the Nano Looper 360. The output impedance is 470Ω.

9V Power Jack – Plug the output of the supplied AC adapter into the 9V power jack located at the top of the Nano Looper 360. The Nano Looper 360 draws 90mA at 9VDC with a center negative plug. The Nano Looper 360 accepts Boss® and Ibanez® style AC Adapters.

– QUICK START GUIDE –

RECORDING A LOOP

1. To record a Loop; simply select an empty bank and press the **Footswitch** once. The **REC LED** will light solid and recording begins immediately.
2. To stop recording the loop, press the **Footswitch** again once. The **REC LED** will turn off, the **PLAY LED** will turn on, and the loop will begin playing immediately. The **MEM LED** will also light solid, indicating the presence of recorded loop memory.
3. All Loops play indefinitely. Each time the loop repeats, the **PLAY LED** will turn off briefly.
4. After a loop is recorded, the length is subtracted from the total loop recording time.
5. **Note:** if the full 360 seconds of Loop Recording time is reached, recording will stop automatically. The **REC LED** will turn off, the **PLAY LED** will turn on, and the Loop will begin playing immediately. The **MEM LED** will also light solid, indicating the presence of recorded loop memory.

STOPPING & STARTING LOOP PLAYBACK

1. To stop loop playback, press the **Footswitch** two times quickly.
2. **Note:** the **REC LED** will turn on together with the **PLAY LED** during the first press. Both LEDs turn off during the second press and playback stops immediately.
3. While stopped, press and release the **Footswitch** once to start playback. The **PLAY LED** will light indicating the loop is playing.

RECORDING AN OVERDUB

1. To record an overdub, make sure a Loop is playing back. If a loop is not playing, press the **Footswitch** once to begin playback. The **PLAY LED** will turn on and the loop will begin playing immediately.
2. To start recording an overdub, press the **Footswitch** once. The **REC LED** will turn on, together with the **PLAY LED**, and audio will be recorded on top of the original loop. No volume loss will occur to the previously recorded portion of the loop.
3. To stop overdubbing the loop; press the **Footswitch** again once. The **REC LED** will turn off, and the loop will continue playing along with the overdubbed audio.
4. Overdubbing will never change the length of the loop.
5. If the loop repeats during overdubbing, the **REC LED** and **PLAY LED** will both turn off briefly. The Nano Looper 360 can overdub indefinitely, allowing you to continuously overdub new audio onto your loop.
6. After finishing an Overdub, the **UNDO-REDO** function is enabled. You may undo, then redo the last Overdub as many times as you like.

UNDO-REDO FUNCTION

1. The Undo/Redo function can only be initiated while a loop is playing back. Undo/Redo cannot be performed during Overdub, Record or Stop modes.
2. To undo an overdub (remove the last take) during loop playback, press and hold the **Footswitch** for 1-second. The **PLAY LED** will blink twice and the previous overdub will be removed.
3. To redo an overdub (restore the last take) during loop playback, press and hold the **Footswitch** for 1-second. The **PLAY LED** will blink twice and the previous overdub will be restored.

4. **Note:** once UNDO-REDO is enabled, this function is available until the loop is erased. This is true even if returning to a loop from a previous selection, or even after power cycling.

ERASING A LOOP

1. To erase a loop, play-back must be stopped. If a loop is playing, press the **Footswitch** two times quickly.
2. Press and hold the **Footswitch** for 2 seconds. The **MEM LED** will blink six times then remain off, indicating the loop is erased.
3. **Note:** the ERASE function is only enabled when the loop has recorded memory, as indicated by the **MEM LED** remaining lit.

LOOP MEMORY

1. Any recorded audio is stored automatically to the Nano Looper 360's internal memory.
2. All recorded loops will remain in memory until they are erased. Power cycling does not erase loops unless power is cut while recording the loop. Any loop or overdub that was being recorded at the time of power loss will not be saved by the 360.
3. After a loop is recorded, the length is subtracted from the total loop recording time. For example, if a 60 second loop is recorded on Loop 1, there are 300 seconds still available for Loops 2-11. Overdubbing on top of any given loop does not subtract from total loop recording time.
4. When the full 360-seconds of loop recording time is depleted, recording a **new loop** is inhibited. If an empty Loop is selected and recording is attempted, the **MEM-LED** will blink twice. To free-up recording memory, select a loop with recorded memory and erase it.

FACTORY RESTORE

1. To initialize a Factory Restore, unplug the power jack.
2. Set the Loop Knob to Loop 11.
3. Plug in the power jack while holding down the footswitch until all three LEDs begin to flash, this takes about 2 seconds. Factory restore will not begin until all three LEDs are blinking. If you change your mind before the three LEDs begin to blink, release the footswitch or move the LOOP knob to another loop location other than 11.
4. Once all three LEDs start blinking you can release the footswitch. All three LEDs will continue to flash until the Factory Restore process is complete (~4 seconds). After the process is complete, the **MEM LED** will flash quickly and Loop 11 will be selected.
5. **Note:** All Loop audio is erased during Factory Restore, and the process cannot be undone.

– CHANGING THE BATTERY –

To change the 9-volt battery, you must remove the 4 screws on the bottom of the Nano Looper 360. Once the screws are removed, you can take off the bottom plate and change the battery. Please do not touch the circuit board while the bottom plate is off or you risk damaging a component.

Battery life is indicated by the three LEDs. These LEDs will fail to turn-on with a dead battery. If the 360 fully discharges a battery during normal operation, all LEDs will turn-off and prevent all functions. The battery must be changed immediately.

WARRANTY INFORMATION

Please register online at <http://www.ehx.com/product-registration> or complete and return the enclosed warranty card within 10 days of purchase. Electro-Harmonix will repair or replace, at its discretion, a product that fails to operate due to defects in materials or workmanship for a period of one year from date of purchase. This applies only to original purchasers who have bought their product from an authorized Electro-Harmonix retailer. Repaired or replaced units will then be warranted for the unexpired portion of the original warranty term. If you should need to return your unit for service within the warranty period, please contact EHX Customer Service at 718-937-8300 or info@ehx.com for a Return Authorization Number. Along with your pedal, please include a brief description of the problem as well as your name, address, telephone number, copy of your receipt, and a check or money order.

United States - \$12

Canada - \$15

Europe and outside countries - \$25

Ship to:

Electro-Harmonix
C/O New Sensor Corporation
55-01 2nd Street
Long Island City, NY, 11101
Attn: Service Department

Please make checks/money orders **payable to New Sensor Corporation**.

To hear demos on all EHX pedals visit us on the web at **www.ehx.com**

Email us at **info@ehx.com**

FCC COMPLIANCE

This device complies with part 15 of the 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. If the device is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications and void the user's authority to guarantee the equipment.

Note: 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.*

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.