

ehx next step

E F F E C T S

PAN

PAN / BLEND / STEREO VOLUME PEDAL

Congratulations on your purchase of the Electro-Harmonix **PAN** pedal from our ground-breaking NEXT STEP series! The **PAN** pedal has no moving parts: it does not use a potentiometer, optics or magnetism to sweep the pan controls. The result is a responsive pedal that allows precise control over the stereo imaging of your musical instrument(s). The **PAN** pedal can be used to pan one input to two outputs, blend two inputs to one output or as a mono or stereo volume pedal.

GETTING STARTED

Plug your instrument into the LEFT IN jack; connect LEFT OUT to one amp and RIGHT OUT to another amp. Within seconds the EHX logo in the center of the pedal will light. Your PAN pedal is ready for use! As long as a plug is inserted into the LEFT IN jack, a drain is placed on the 9V battery inside the PAN pedal. We recommend you unplug the LEFT IN jack when the PAN pedal is not in use to extend battery life.

CALIBRATION

To ensure the PAN pedal responds to its full sweep range, it may be necessary to calibrate the sweep of the PAN pedal when it is used on a different surface since its last use. It is particularly important to calibrate if the PAN pedal is used on a slanted surface. We recommend calibrating the PAN pedal during its first use.

CALIBRATION PROCEDURE

1. Place the pedal on the surface where it will be used.
2. Ensure the PAN pedal is sitting flat on the surface then press and release the CALIBRATE button once; the EHX logo begins to blink indicating the toe position has been saved.
3. While the EHX logo continues to blink, rock the pedal all the way back to the extreme heel position and hold it there.
4. Press and release the CALIBRATE button once more.
5. The EHX logo will stop blinking to indicate that the heel position has been saved. The calibration procedure is complete.

If you accidentally press the CALIBRATE button and the EHX logo blinks, do not press CALIBRATE again. After approximately 7 seconds, the PAN pedal will stop blinking and ignore the button press.

ROUTING MODES – HOW TO CONNECT TO YOUR PAN PEDAL

The PAN pedal can be used in one of four routing modes. The routing mode changes depending on which input and output jacks have plugs inserted.

- 1) **MONO VOLUME PEDAL** (mono in/mono out): Plug into LEFT IN and LEFT OUT jacks only. The PAN pedal acts like a straight-forward volume pedal in this mode. As the pedal moves from the heel to toe position, the volume at the LEFT OUT jack increases. Bypass Mode: LEFT IN connects to LEFT OUT.
- 2) **BLEND PEDAL** (stereo in/mono out): Plug into the LEFT and RIGHT IN jacks and the LEFT OUT jack only. In Blend mode, the PAN pedal acts like a wet/dry control, mixing the two inputs together to one mono output. As you move the pedal from the heel to toe position, the volume of the LEFT IN signal increases while the volume of the RIGHT IN signal decreases. The RIGHT IN signal is loudest in the heel position while the LEFT IN signal is loudest in the toe position. In the middle of the pedal's sweep range, each input will be at equal volume at the LEFT OUT jack. Bypass Mode: LEFT IN connects to LEFT OUT. RIGHT IN is muted.
- 3) **PAN PEDAL** (mono in/stereo out): Plug into the LEFT IN jack and both the LEFT and RIGHT OUT jacks. In Pan mode, the LEFT input signal will sweep between the LEFT and RIGHT OUT jacks. In the heel position, the LEFT IN will come out the RIGHT OUT jack only. In the toe position, the LEFT IN comes out the LEFT OUT jack only. When in the middle of the pedal's sweep range, each output will be at equal volume. Bypass Mode: LEFT IN connects to both LEFT OUT and RIGHT OUT at an equal volume.
- 4) **STEREO VOLUME PEDAL** (stereo in/stereo out): Plug into all four audio jacks. The LEFT IN will come out the LEFT OUT only. The RIGHT IN will come out the RIGHT OUT only. As the pedal moves from the heel to toe position, the volume of both outputs increases. Bypass Mode: LEFT IN connects to LEFT OUT. RIGHT IN connects to RIGHT OUT.

ENTERING/EXITING BYPASS

Toggle between **buffered bypass** and effect mode by tipping the PAN pedal forward, in the toe direction, past the flat position of the PAN pedal. You do not need to tip the PAN pedal all the way forward; 25% of the total forward travel will do it. The PAN pedal needs to return to its flat position before you can toggle between bypass and effect mode again.

When the PAN pedal is in effect mode, the EHX logo in the center of the pedal will light up. In bypass mode, the logo does not light.

POWER

Plugging into the LEFT IN jack activates power from the internal 9 Volt battery. The LEFT IN plug should be removed when the unit is not in use to avoid running down

the battery. If an AC Adapter is used, the PAN pedal will be powered up as long as the AC Adapter is correctly plugged in.

The PAN's power jack is located on the same side as the OUT jacks. A 9 Volt AC Adapter capable of delivering at least 50mA of current at 9VDC is required to power the PAN pedal. The inner ring of the 9 Volt AC Adapter must be negative, the outer ring positive. The optional 9V power supply from Electro-Harmonix is 9.6DC-200BI (same as used by Boss® & Ibanez®) 9.6 Volts DC/200mA. The unit's battery may be left in or taken out when the AC Adapter is in use. **The actual current draw of the PAN PEDAL is 24 mA.**

CHANGING THE BATTERY

1. Locate the battery door at the front of the PAN, under the toe area of the top plate.
2. Remove the large black screw that holds the battery door to the case, most coins or larger slotted screwdrivers can be used to remove this screw.
3. Connect your new 9V battery to the wired battery connector.
4. Insert the 9V battery into the battery holder clip on the battery door so that the wired connector is on the same side of the hole in the battery door.
5. Place the battery door back into its window in the case of the PAN pedal and re-install the screw.

NOTES AND SPECIFICATIONS

- PAN pedal has buffered bypass.
- The input impedance presented at each IN Jack is 2M Ω .
- The output impedance at each OUTPUT Jack is 1k Ω .
- The current draw of the PAN PEDAL is 24 mA.

- 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 include a brief description of the problem as well as you name, address, telephone number, copy of your receipt, and a check or money order. The costs for shipping and handling are listed below.

United States - \$12

Canada - \$15

Europe and other 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 EH pedals visit us on the web at www.ehx.com.

Email us at info@ehx.com

- FCC COMPLIANCE -

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 operated the equipment under FCC rules.