

XP-2 / XP-4

# MICROPHONE SIGNAL BOOSTER



PRODUCT  
MANUAL



POLSEN®

## THANK YOU FOR CHOOSING POLSEN.

The Polsen XP-2 and XP-4 two-channel and four-channel mic signal boosters add 25 dB of clean and transparent gain to any low-output dynamic or ribbon microphone.

They give an extra gain boost to your microphones before they reach the input of your mixing board, preamp, or audio interface. The Mic Boosters are compatible with any device that can supply 48 V of phantom power. But they don't pass the power through, so you can safely use them with sensitive ribbon microphones.

The XP-2 features rugged steel construction and can withstand the demands of live shows and travel. The XP-4 also features solid steel construction and is rack mountable, which makes it perfect for studios and touring.

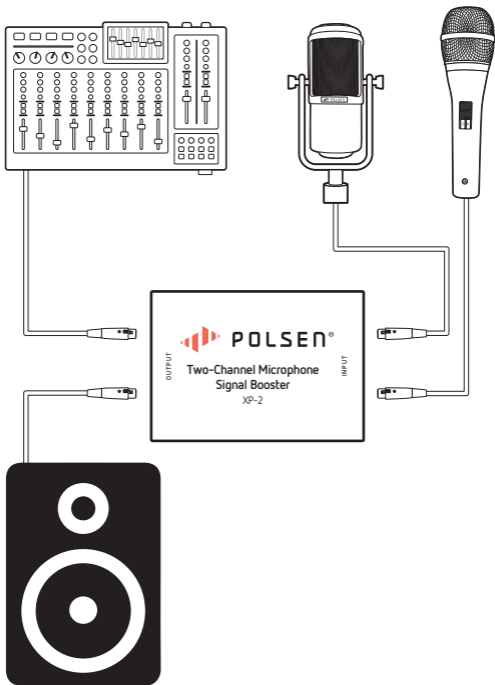
## PRECAUTIONS

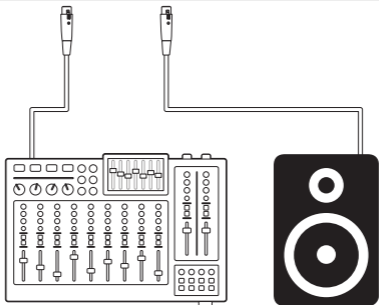
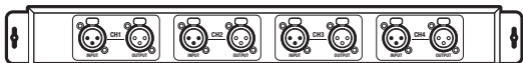
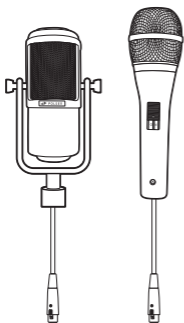
- Please read and follow these instructions, and keep this manual in a safe place.
- Keep this unit away from water and any flammable gases or liquids.
- Do not attempt to disassemble or repair the equipment—doing so will void the warranty, and Polsen will not be responsible for any damage.
- Condenser microphones that require 48 V phantom power should use an external phantom power supply.
- Handle the unit with care.
- Clean the unit with only a soft, dry cloth.
- Make sure that this product is intact and that there are no missing parts.
- All images are for illustrative purposes only.

## SETTING UP THE MIC BOOSTER

Mute the mixer channel, turn off the speaker system, or turn the interface gain all the way down before making these connections.

1. Use balanced XLR cables to connect the Mic Booster to a preamp, mixing board, or interface.
2. Use balanced XLR cables to connect the microphones to the Mic Booster.
3. Turn on phantom power on the mixer, preamp, or interface.
4. Slowly increase the gain on the mixing board or interface until the desired signal level.





# SPECIFICATIONS

## XP-2

**Gain** +25 dB

**I/O** 3-pin XLR female input (x2)

3-pin XLR male output (x2)

**Frequency Response** 10 Hz to 20 kHz  $\pm 1$  dB

**Impedance** 2 k $\Omega$

**THD + N** <0.02% @ 1 kHz, 0 dBu

**EIN Noise (@ +25 dB gain)** >120 dB, 22 Hz to 22 kHz unweighted

**Operating Voltage** 48 V (phantom power)

**Dimensions (L x W x H)** 3.3 x 2.5 x 1.5 in.  
(8.4 x 6.4 x 3.8 cm)

**Weight** 0.5 lb. (227 g)

## XP-4

**Gain** +25 dB

**I/O** 3-pin XLR female input (x4)

3-pin XLR male output (x4)

**Frequency Response** 10 Hz to 20 kHz  $\pm 1$  dB

**Impedance** 2 k $\Omega$

**THD + N** <0.02% @ 1 kHz, 0 dBu

**EIN Noise (@ +25 dB gain)** >120 dB, 22 Hz to 22 kHz unweighted

**Operating Voltage** 48 V (phantom power)

**Dimensions (L x W x H)** 19 x 4.3 x 1.8 in.  
(48.3 x 10.9 x 4.6 cm)

**Weight** 2.7 lb. (1.2 kg)

## ONE-YEAR LIMITED WARRANTY

This Polsen product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Polsen Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Polsen along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit [www.polsenaudio.com](http://www.polsenaudio.com) or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.  
[www.gradusgroup.com](http://www.gradusgroup.com)

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