IAI-500

IOS® AUDIO INTERFACE

POLSEN™

PRODUCT MANUAL

THANK YOU FOR CHOOSING POLSEN.

The Polsen IAI-500 is a professional audio interface designed for recording high-quality audio to iOS® devices. It is an innovative and effective solution that enables mobile musicians to create professional-quality tracks anywhere. The IAI-500 plugs directly into the 3.5 mm input jack of an iPad®, iPod touch®, or iPhone®. When used with GarageBand® or many other apps, your iOS® device becomes a multi-track recording studio perfect for recording song demos, vocals, guitars, and basses.

The IAI-500 features an XLR microphone input along with phantom power for recording with a condenser mic, which provides far superior audio than the built-in microphones of mobile devices. It also features a high-impedance instrument input for guitars and basses. The 3.5 mm headphone output allows for direct, real-time monitoring when used with apps like GarageBand® that offer monitoring capability.

Polsen's IAI-500 is an indispensable tool for singers, songwriters, and musicians on the go. The compact, light-weight design makes the IAI-500 a perfect addition to a gig bag, and the sturdy construction withstands the rigors of travel.
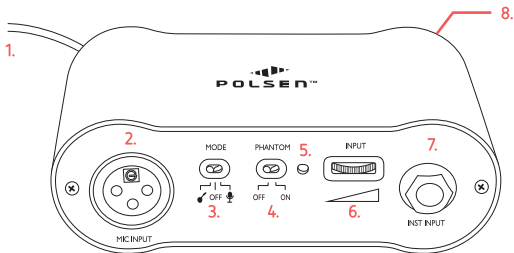
Among the benefits you'll enjoy:

- Designed for iOS® - plugs directly into the 3.5 mm input jack of an iPad®, iPod touch®, or iPhone®
- XLR microphone input
- Phantom power for condenser microphones
- High impedance 1/4" input for guitar or bass
- 1/8" (3.5 mm) headphone output
- Adjustable microphone input level
- Works with GarageBand® and can be used with a wide variety of apps

OVERVIEW

1. Output cable to iPad®, iPod touch®, or iPhone®

2. Microphone input (XLR)

3. Mode selector

4. Phantom power switch

5. Phantom power indicator

6. Input level

7. Instrument input (1/4")

8. Headphone output

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.

- Avoid standing this unit on top of a heat-generating device such as a radiator or a power amplifier.

- Clean the unit with a soft, dry cloth.

- Make sure that this product is intact and that there are no missing parts.

- Remove batteries during periods of non-use.

- All photos are for illustrative purposes only.

COMPATIBILITY

iOS® Devices

All of the following devices must run OS 4.3 or later

- iPhone®: 3Gs, 4, 4S, 5, 5C, 5S

- iPod touch® 3rd generation, 4th generation, 5th generation

- iPad®: 2, 3rd generation, 4th generation, Air, Mini , Mini 2nd generation

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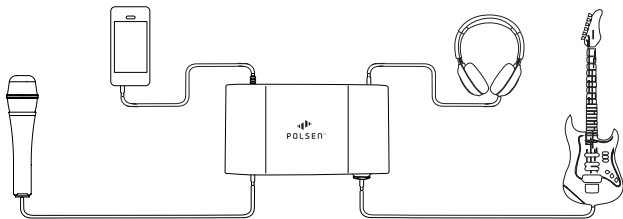
INSTALLING BATTERIES

1. Press the battery compartment button in the direction of the arrow to release the door.

2. Install two AA-size batteries (not included) with the orientation indicated inside the compartment.

3. Replace the battery compartment door by snapping it into place.

CONNECTIONS

- Connect the output cable to the headphone jack of an iPad®, iPod touch®, or iPhone®.

- Connect headphones to the headphone output on the back of the IAI-500.

- You can connect electric guitars or basses to the INST INPUT on the front panel of the IAI-500 using a standard 1/4" instrument cable. (Before you begin recording, see important note in Recording Guitar or Bass section on page 9.)

- You can connect microphones to the MIC INPUT of the IAI-500 using a mic cable with XLR connectors.

RECORDING WITH THE IAI-500

With the proper connections made, launch GarageBand®, or another recording app.

For real-time monitoring, enable the monitor function in the recording app.

Recording Guitar or Bass

Important Note: The IAI-500 is designed to accommodate active and passive instruments.

Read the following carefully. Failure to follow these instructions could cause damage to the unit.

If using an active guitar or bass, remove the batteries from the IAI-500.

If using a passive guitar or bass, insert batteries into IAI-500.

1. Connect a guitar or bass to the INST INPUT with a 1/4" instrument cable.

2. Set the MODE selector to the instrument position (guitar icon,) and make sure the PHANTOM POWER is off.

3. Launch the recording app. Make sure the target track is in record mode, and that the monitoring feature is enabled.

4. Adjust the input level.

    Note: The input level control only functions for a microphone input. When using an instrument set the output of your instrument to the desired level.

    If the recording app includes a level meter, select the gain setting that doesn't overload the meter.

    If the app doesn't have a level meter, make a test recording to determine the best input level.

Recording with a microphone

1. When recording with a condenser microphone, move the MODE selector to the MIC position (microphone icon,) and turn on PHANTOM POWER (the indicator light will glow.)

2. When recording with a dynamic microphone, move the MODE selector to the MIC position, and make sure PHANTOM POWER is off.

3. Adjust the input level

    If the recording app includes a level meter, select the gain setting that doesn't overload the meter.

    If the app doesn't have a level meter, make a test recording to determine the best input level and position for the microphone.

Note: For the best results, it's recommended to always do a test recording.

TROUBLESHOOTING

Problem	Solution
Sound is not being recorded	**Microphone** Make sure the XLR connector is fully inserted into the mic input jack. Make sure the XLR connector is properly connected to the microphone. Review the recording instructions in this manual to make sure the IAI-500 is properly configured to receive input from a microphone. **Instrument** Make sure the 1/4" plug is fully inserted into the INST input. Review the recording instructions in this manual to make sure the IAI-500 is properly configured to receive input from an instrument.

Problem	Solution
No sound in headphones	Make sure the 3.5 mm headphone plug is completely inserted into the headphone output. Make sure the recording app has a monitoring feature, and that it is enabled.
No sound when monitoring a recording	Make sure the monitoring feature of the recording app is enabled.
Recorded sound is too soft	Increase the input level on the IAI-500. If using a microphone, move it closer to the sound source.
Recorded sound is too loud and is distorted	Decrease the input level on the IAI-500. Move the microphone further away from the sound source.

Problem	Solution
No sound during playback	Make sure the headphones are completely connected to the headphone output of the IAI-500. Make sure the settings in the audio recording app are correct. Unplug the IAI-500 and reconnect it to the recording device.
Audio "leaks" into input track	Turn down the monitoring volume in headphones while recording overdubs. Turn down levels of tracks that are leaking in your application.

SPECIFICATIONS

Mic-In

CONNECTOR XLR
INPUT LEVEL -42 dBu ~ +2 dBu
MAXIMUM INPUT LEVEL +2 dBu
INPUT IMPEDANCE 2.4k Ω

Guitar-In

CONNECTOR 1/4"
NOMINAL INPUT LEVEL 21 dBV
MAXIMUM INPUT LEVEL -10 dBV
INPUT IMPEDANCE 470k Ω

General

PHONES/LINE OUT 1/8" (3.5 mm) stereo mini jack
CONNECTION PLUG 1/8" (3.5 mm) TRRS mini plug
POWER REQUIREMENTS AA battery × 2
POWER CONSUMPTION .33W (phantom power 5mA)
BATTERY LIFE Approximately 12 hours
DIMENSIONS (L×W×H) 4.75" × 2.6" × 1.6" (12.1 × 6.5 × 4 cm)
CABLE LENGTH 17.5" (44.5 cm)
WEIGHT (W/O BATTERIES) 4.8 oz. (136 g)

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 or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.
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