

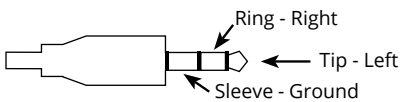
## CI-2MINI PC audio ground isolator

- Eliminates hum and buzz caused by ground loops
- Extended frequency response from 10 Hz to 40 kHz
- Less than 2° phase deviation at 20 Hz
- Plug and play easy to use, no power required

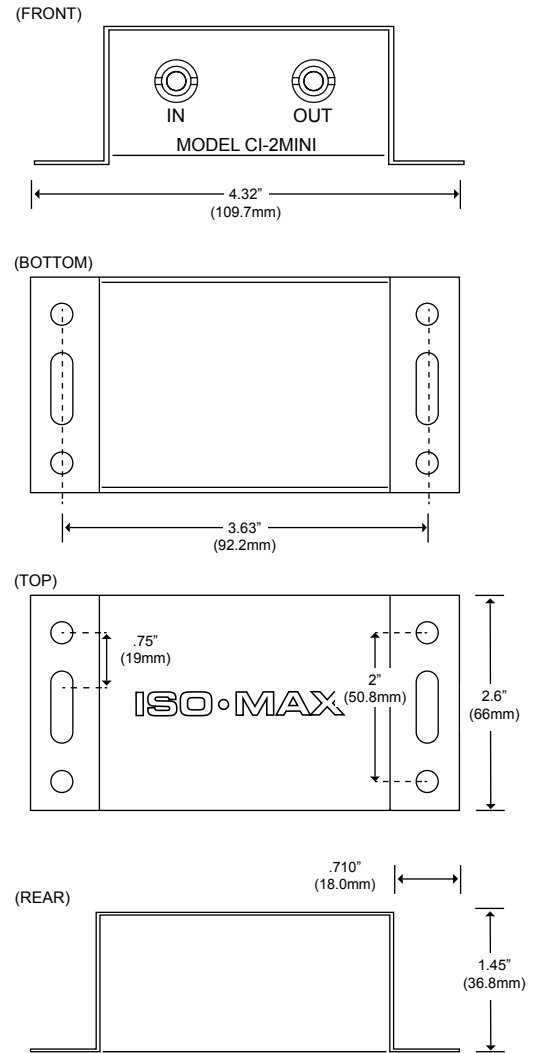


The Iso-Max® CI-2MINI is a passive two channel audio ground isolator designed to eliminate hum and buzz caused by ground loops in the most demanding audio systems.

Designed specifically to eliminate the hum and buzz that is often encountered when connecting the audio output from a consumer device to another. This stereo isolator features standard 3.5 mm input and output connectors for easy interfacing with headphone and ear-bud outputs. Inside are two world-class Jensen audio transformers that deliver a ruler flat response from 10 Hz to 40 kHz and are able to withstand high output signals to +19 dBu without distortion. Rugged flange-mount design discretely mounts under a shelf or stereo stand. Passive design, does not require power.



## Dimensions

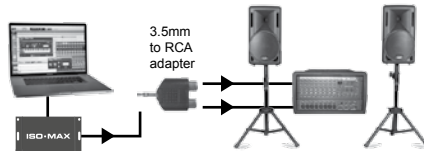


## Applications



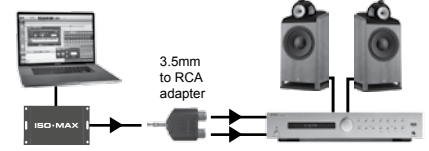
### IPOD to PA system

Connect your iPod or cell phone to a PA system for a buzz-free connection. Use a standard 3.5 mm mini TRS cable and a 3.5 mm mini TRS to XLR adaptor cable to feed your audio system. Great sound is delivered without noise!



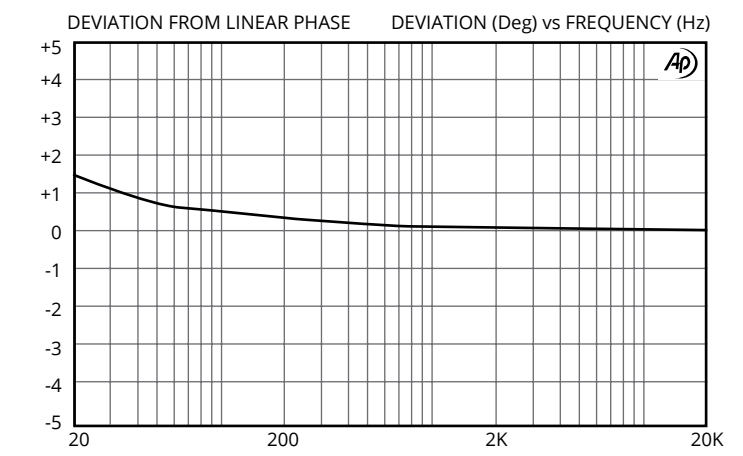
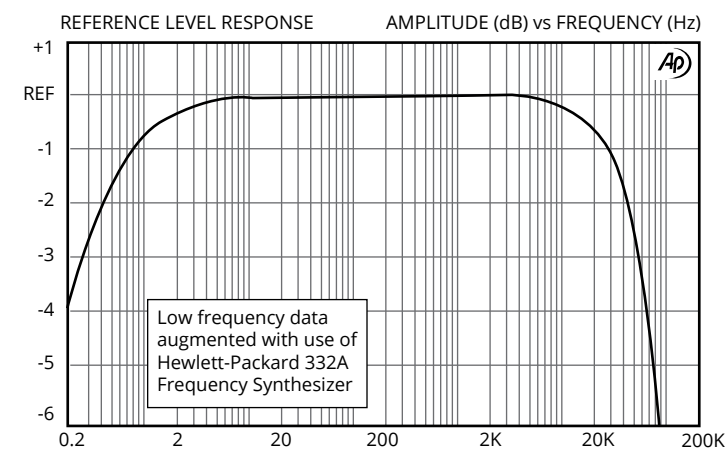
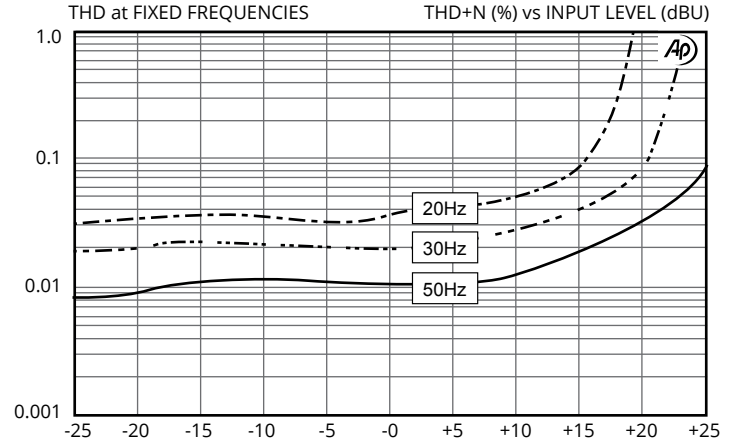
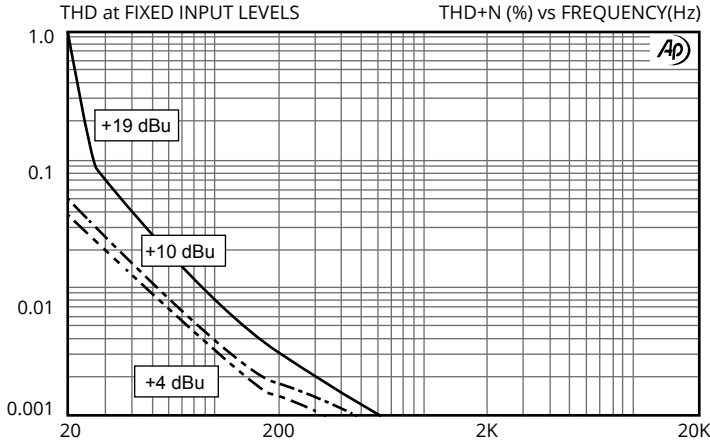
### Laptop to PA system

Use your laptop as a music source to send your audio tracks to the PA system without noise. Connect from the laptop to the CI-2MINI using standard 3.5 mm mini TRS cable and then use a 3.5 mm mini TRS adaptor to feed your audio system.



### Laptop to HI-FI system

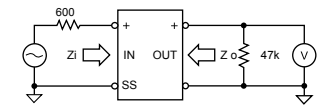
Send your playlist to your hi-fi system using your laptop as a music source. Connect from the laptop to the CI-2MINI using standard 3.5 mm mini TRS and a 3.5 mm mini TRS to RCA adaptor to feed you audio system. The CI-2MINI delivers without buzz or hum.



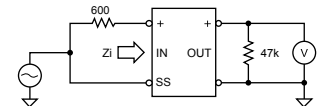
| PARAMETER                            | CONDITIONS  | MINIMUM  | TYPICAL  | MAXIMUM               |
|--------------------------------------|---|----------|----------|-----------------------|
| Input impedance, Zi                  | 1 kHz, +4 dBu, test circuit 1                               | 47.0 kΩ  | 48.6 kΩ  | 50.0 kΩ               |
| Insertion loss                       | 1 kHz, +4 dBu, test circuit 1                               |          | 0.82 dB  | 1.0 dB                |
| Magnitude response, ref 1 kHz        | 20 Hz, +4 dBu, test circuit 1                               | -0.15 dB | -0.03 dB | ±0.0 dB               |
|                                      | 20 kHz, +4 dBu, test circuit 1                              | -1.0dB   | -0.70 dB | ±0.0 dB               |
| Deviation from linear phase (DLP)    | 20 Hz to 20 kHz, +4 dBu, test circuit 1                     |          | +1.4/-0° | ±2.0°                 |
| Distortion (THD)                     | 1 kHz, +4 dBu, test circuit 1                               |          | <0.001%  |                       |
|                                      | 20 Hz, +4 dBu, test circuit 1                               |          | 0.04%    | 0.10%                 |
| Maximum 20 Hz input level            | 1% THD, test circuit 1                                      | +17 dBu  | +19 dBu  |                       |
| Common - mode rejection ratio (CMRR) | 60 Hz, test circuit 2                                       |          | 95 dB    |                       |
|                                      | 3 kHz, test circuit 2                                       |          | 85 dB    |                       |
| Output impedance, Zo                 | 1 kHz, test circuit 1                                       |          | 4.65 kΩ  |                       |
| Allowable source impedance           | (output impedance of device driving the ISO-MAX input)      | 0        | 600 Ω    | 2 kΩ                  |
| Allowable load impedance             | (input impedance of device loading the ISO-MAX output)      | 10 kΩ    | 47 kΩ    | ∞                     |
| Allowable load capacitance           | (cable & input capacitance loading the ISO-MAX output)      | 0        | 50 pF    | 100 pF                |
| Optimal cable length                 | input   |          | 2 m (6') | 5 m (15')             |
|                                      | output  |          | 2 m (6') | 5 m (15')             |
| Temperature range                    | operation or storage  | 0°C      |          | 70°C                  |
| Input to Output Voltage Difference*  | any input to any output shield or any shield to case, 60 Hz |          |          | 24 V RMS<br>34 V peak |

All levels are input unless noted, +4 dBu = 1.23 V RMS

Test Circuit 1:



Test Circuit 2:



All minimum and maximum specifications are guaranteed. Unless noted otherwise, all specifications apply at 25°C. Specifications subject to change without notice. All information herein is believed to be accurate and reliable, however no responsibility is assumed for its use nor for any infringements of patents which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of Jensen Transformers, Inc.

\* IMPORTANT NOTE: THIS PRODUCT IS NOT INTENDED FOR USE IN CIRCUMSTANCES WHERE THE DC OR PEAK AC VOLTAGE BETWEEN INPUT AND OUTPUT CONNECTIONS EXCEEDS 34 VOLTS OR WHERE ITS FAILURE COULD CAUSE INJURY OR DEATH.