

T50K Adapts Low Impedance Mics to High Impedance 1/4" Inputs

OVERVIEW

The T50K is a professional impedance matching transformer that allows a low impedance microphone (100 - 600 Ohms) to connect to a high impedance input (10 k - 50 k Ohms).

A typical application for the T50K would be to plug a low impedance microphone directly into the high impedance input of a guitar amplifier for either vocals or harmonica (see photo below).

In this case, one would plug the XLR-male connector of the microphone cable directly into the XLR-female connector of the T50K. The 1/4" jack of the T50K will plug into the guitar amp.

The T50K may be used with long microphone cable helping to prevent loss of signal, loss of frequency response, and extraneous hum or noise.



FREQUENCY RESPONSE

20 Hz - 20 KHz \pm 15% @ 1 KHz 1 V

IMPEDANCE

Low Impedance: 600 Ohms \pm 15% @ 1 KHz 1 V

High Impedance: 50,000 Ohms \pm 15% @ 1 KHz 1 V

DC RESISTANCE

Low Impedance: 166 Ohms \pm 10%

High Impedance: 2250 Ohms \pm 10%

VOLTAGE RATIO @ 1 KHz 1 V

Low Z to High Z

+ 17.5 dB

High Z to Low Z

-17.7 dB

FEATURES

- Rugged, road worthy construction
- Long-life gold plated connectors
- 7 mm rubber jacketed cable interface
- Heavy duty strain relief



T50K

PRODUCT REGISTRATION: Please register your product online at www.audixusa.com/docs_12/about/product_registration.shtml.

SERVICE AND WARRANTY: This microphone is under warranty for a period of 1 year to be free of defects in material and workmanship. In the event of a product failure due to materials or workmanship, Audix will repair or replace said product at no charge with proof of purchase. Audix does not pay or reimburse shipping costs for warranty repairs or returns. The warranty excludes any causes other than manufacturing defects, such as normal wear, abuse, environmental damage, shipping damage or failure to use or maintain the product per the supplied instructions. No Implied Warranties: All implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose are hereby excluded. The liability of Audix, if any, for damages relating to allegedly defective products shall be limited to the actual price paid by Dealer for such products and shall in no event include incidental or consequential damages of any kind. Should your microphone fail in any way, please contact the Audix Service department at 503.682.6933. A Return Authorization is required before returning any product. OTHER THAN THIS WARRANTY, AUDIX MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS, THE USE OF THE PRODUCTS, THE PERFORMANCE OF THE PRODUCTS. AUDIX SHALL NOT BE LIABLE FOR SPECIAL INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SIMILAR DAMAGES ARISING FROM OR BASED ON THE SALE, USE, STORAGE OR DISPOSAL OF THE PRODUCTS, AUDIX'S SERVICE WORK, BREACH OF WARRANTY, BREACH OF CONTRACT. NEGLIGENCE, OR ANY OTHER THEORY OF LIABILITY, EVEN IF AUDIX HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

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