

# ATU44

## User Manual



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# Introduction

## Line Transformer

The AUDAC ATU44 is a universal input adaptor which can be used for a wide variety of connections and extensions.

One of its possibilities is converting any loudspeaker signal into a balanced or unbalanced line level signal. It has inputs for 100V, 70V, 50V, 33V and standard 8 Ohm low impedance speaker signals.

It also offers the possibility to convert a unbalanced line signal into a balanced one, and vice versa.

The switch on the front panel allows to select between converting a speaker signal into a line signal, or the conversion of a unbalanced line signal into a balanced line signal.

The in- and outputs of the ATU44 are completely galvanic isolated by means of an audio isolation transformer.

This makes the ATU44 the perfect solution for solving hum and buzz problems caused by ground loops.

The inputs are fitted with screw clamp connectors, and the output is fitted with a male XLR connector.



# Precautions

## **READ FOLLOWING INSTRUCTIONS FOR YOUR OWN SAFETY**

ALWAYS KEEP THESE INSTRUCTIONS. NEVER THROW THEM AWAY

ALWAYS HANDLE THIS UNIT WITH CARE

HEED ALL WARNINGS

FOLLOW ALL INSTRUCTIONS

NEVER EXPOSE THIS EQUIPMENT TO RAIN, MOISTURE, ANY DRIPPING OR SPLASHING LIQUID. AND NEVER PLACE AN OBJECT FILLED WITH LIQUID ON TOP OF THIS DEVICE.

DO NOT INSTALL THIS UNIT NEAR ANY HEAT SOURCES SUCH AS RADIATORS OR OTHER APPARATUS THAT PRODUCE HEAT

DO NOT PLACE THIS UNIT IN ENVIRONMENTS WHICH CONTAIN HIGH LEVELS OF DUST, HEAT, MOISTURE OR VIBRATION

THIS UNIT IS DEVELOPED FOR INDOOR USE ONLY. DO NOT USE IT OUTDOORS

PLACE THE UNIT ON A STABLE BASE OR MOUNT IT IN A STABLE RACK

ONLY USE ATTACHMENTS & ACCESSORIES SPECIFIED BY THE MANUFACTURER

UNPLUG THIS APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME

ONLY CONNECT THIS UNIT TO A MAINS SOCKET OUTLET WITH PROTECTIVE EARTHING CONNECTION



### **CAUTION – SERVICING**

This product contains no user serviceable parts. Refer all servicing to qualified service personnel. Do not perform any servicing (unless you are qualified to)



### **EC DECLARATION OF CONFORMITY**

This product conforms to all the essential requirements and further relevant specifications described in following directives: 2004/108/EC (EMC) and 2006/95/EC (LVD)



### WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)

The WEEE marking indicates that this product should not be disposed with regular household waste at the end of its working life. This regulation is created to prevent any possible harm to the environment or human health.

This product is developed and manufactured with high quality materials and components which can be recycled and/or reused. Please dispose of this product at your local collection point or recycling centre for electrical and electronic waste. Do this to make sure that the product is recycled in an environmental friendly way, and help to protect the environment in which we all live.

### CAUTION

The symbols shown are internationally recognized symbols that warn about potential hazards of electrical products. The lightning flash with arrowpoint in an equilateral triangle means that the unit contains dangerous voltages. The exclamation point in an equilateral triangle indicates that it is necessary for the user to refer to the users manual.

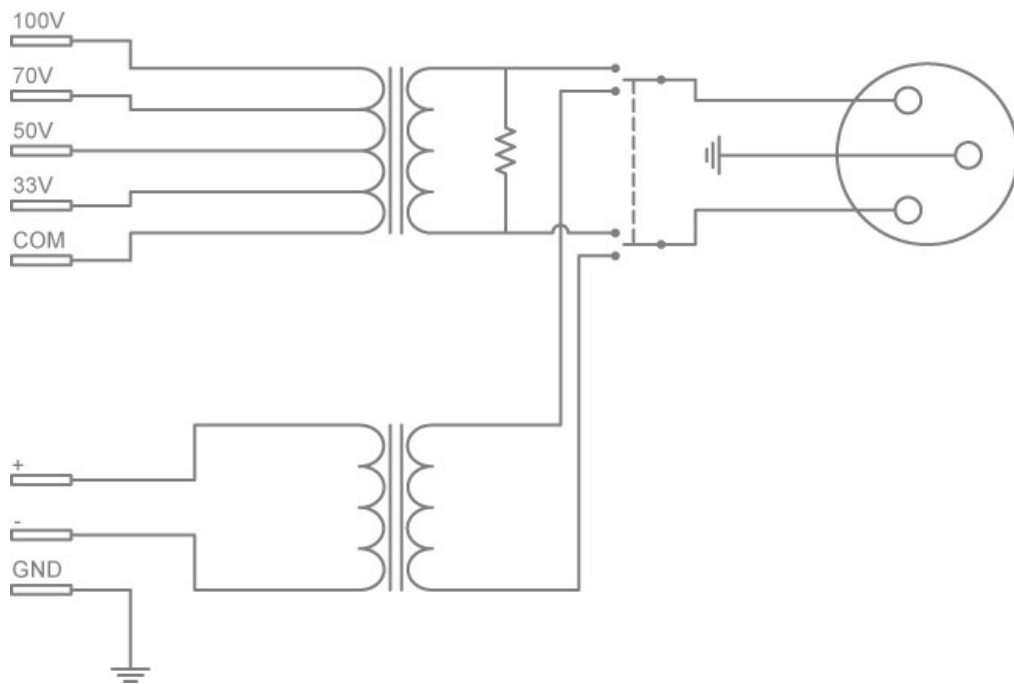


These symbols warn that there are no user serviceable parts inside the unit. Do not open the unit. Do not attempt to service the unit yourself. Refer all servicing to qualified personnel. Opening the chassis for any reason will void the manufacturer's warranty. Do not get the unit wet. If liquid is spilled on the unit, shut it off immediately and take it to a dealer for service. Disconnect the unit during storms to prevent damage.

### ADDITIONAL INFORMATION

This manual is put together with much care and effort and is as complete as could be on the publication date. However, updates on the specifications and functionality may have occurred since publication. To obtain the latest version of this manual please visit the Audac website @ [www.audac.eu](http://www.audac.eu).

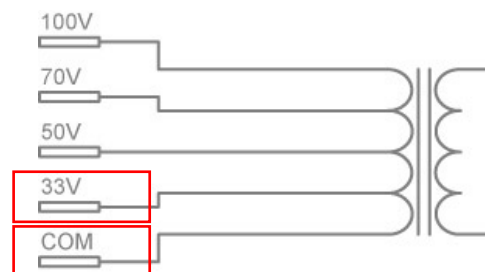
# Schematic



# Instructions

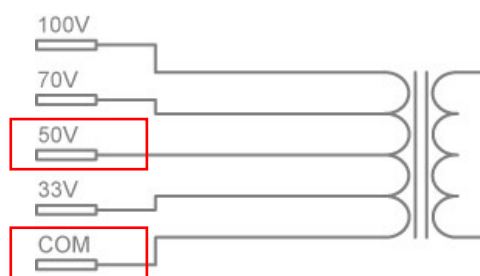
The ATU44 can convert the low impedance (8 ohm) loudspeaker signal back to a balanced line signal, but the terminals which should be connected depend of the power on the loudspeaker line:

When the power is between 100 – 150 Watt you need to connect the loudspeaker line between the COM and the 33V connection terminals.

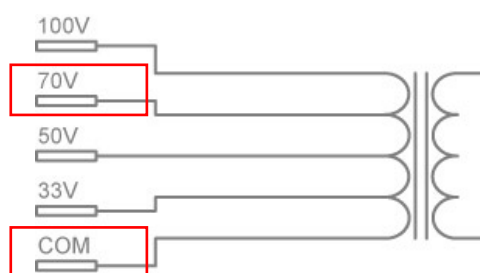




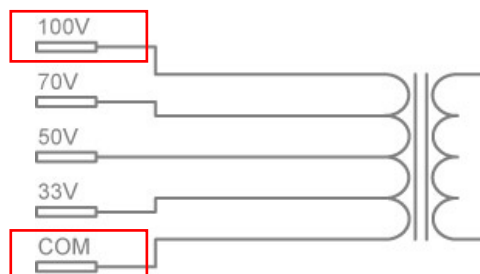
When the power is higher up to 300 Watt you need to connect the loudspeaker line between the COM and the 50V connection terminals.



When the power is even higher up to 600 watt, you need to connect the loudspeaker line between the COM and the 70V connection terminals.



To convert an unbalanced 100V line signal to a balanced line signal:  
Turn the switch to '100V' and connect the line signal between 'COM' and '100V'



# Technical specifications

## Speaker Input level

100V  
70V  
50V  
33V  
8 Ohm

## Connectors

Input: Euro terminal block screw mount  
Output: Male XLR

## Construction:

Aluminium

## Color:

Black

## Weight

Net. 330 g

## Dimensions (W x H x D)

35 x 105 x 110 mm

