



eightolives

# Protection / Calibration Unit

The eightolives Protection / Calibration Unit (EPCU) limits input voltages to your PC's audio system and can help auto-calibrate eightolives AudioAnalyzer software.

The resistor-diode network limits input voltages to +/- 2 diode drops (~ +/- 1.4 volts) on Channel 1 and Channel 2.



## Kit Includes:

- 1 – EPCU
- 2 – 6 inch audio cables

## Things you can do

- Calibrate eightolives' AudioAnalyzer software using the Calibrated Limit Value printed on EPCU label
- Provide input over-voltage protection to your PC's audio input (LINE IN)
- Extend the life of your PC's audio connector using EPCU as a “sacrificial” connector

Calibration of AudioAnalyzer is required for accurate oscilloscope display values. Calibration is valid for a particular setting of the various input and output volume controls that exist in a typical PC. It is recommended to set audio system output volume controls to maximum.

## Specifications

Connectors:

2 - 1/8" (3.5 mm) Tip Ring Shield connectors

Limit Voltage: 2 diode drops (~ +/- 1.4 volts) (Value is printed on label.)

Maximum Input Voltage: +/- 150 V

Requires audio output level of HEADPHONE / LINE OUT to exceed +/- 2.0 V.

# Calibration Procedure

From the AudioAnalyzer tool menu, select Tools > Calibrate. A sequence of dialog windows will prompt you for responses. In this sequence, connect the EPCU to the computer's LINE IN (blue) and HEADPHONE / LINE OUT (green) ports when requested. You may also be prompted to disconnect the EPCU and directly connect LINE IN to LINE OUT.

## How to order:

Order on-line at <http://www.eightolives.com>

Part Number	Nominal Limit Voltage
EPCU-2	+/- 1.4 Volts

