

# Professional Microphone Accessories



## AT8202 Adjustable In-line Attenuator

Use the Audio-Technica AT8202 Adjustable In-line Attenuator to prevent balanced low-impedance microphones from overloading electronics having low- to mid-impedance inputs in high-SPL applications. The adjustable attenuator is designed to assure the proper match of the microphone to inputs of mixing consoles and portable recording devices without experiencing input overload of the electronics due to high-level signals. The AT8202 is compatible for use in phantom power applications.

Encased in steel for maximum durability and optimum shielding from hum, the AT8202 includes a professional XLRF-type input connector and XLRM-type output connector.

- Prevents overload of sensitive input stages
- Provides -10 dB, -20 dB or -30 dB attenuation
- Compatible for use in phantom power applications
- Durable steel case provides optimum shielding from hum
- For use with balanced Lo-Z microphones
- Can be plugged directly into an XLRF-type chassis-mount connector

### Instructions

To use, plug the XLRM connector of the microphone cable into the XLRF connector of the AT8202. Plug the XLRM connector of the AT8202 into the XLRF connector of a microphone cable. The AT8202 can also be plugged directly into an XLRF chassis-mount connector.

### AT8202 Specifications

|                                      |                                             |
|--------------------------------------|---------------------------------------------|
| Input Impedance<br>(from microphone) | 1000 ohms (-10 dB)                          |
| Output Impedance<br>(to electronics) | 200 ohms (-10 dB)                           |
| Frequency Response                   | 20 – 20,000 Hz                              |
| Attenuation                          | -10 dB, -20 dB, -30 dB                      |
| Input Connector                      | XLRF-type                                   |
| Output Connector                     | XLRM-type                                   |
| Case                                 | Steel for optimum shielding                 |
| Weight                               | 2.8 oz. (80 g)                              |
| Dimensions                           | 3.94" (100 mm) long; 0.75" (19 mm) diameter |

## AT8202 and CP8201



## CP8201 Microphone Impedance Matching Transformer

The Audio-Technica CP8201 Microphone Impedance Matching Transformer is designed to connect a low-impedance microphone to a high-impedance electronic input. The high-quality transformer solves the problem of excessive high-frequency loss and hum pickup. Locate the transformer close to the amplifier: no more than 15 ft (4.6 m) of cable should separate them. Unlimited cable lengths can then be used between the transformer and the microphone.

- Matches low-impedance microphones to high-impedance electronic inputs
- Permits use of long microphone cables
- Maintains high-frequency response
- Reduces noise pickup

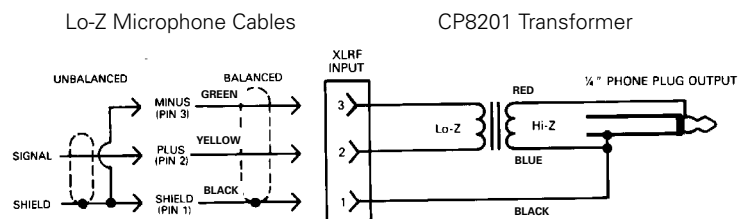
### Instructions

To use, plug the XLRM-type connector of the microphone cable into the XLRF-type connector of the CP8201. Plug the 1/4" output connector of the CP8201 into the high-impedance electronic input.

### CP8201 Specifications

|                    |                        |
|--------------------|------------------------|
| Input Impedance    | 250 ohms (nominal)     |
| Output Impedance   | 50,000 ohms (nominal)  |
| Frequency Response | 20 – 20,000 Hz         |
| Connectors         | XLRF in, 1/4" plug out |

### CP8201 Wiring Diagram



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