

UniTools® are phantom-powered in-line microphone accessories that can be used to combine a channel or add a switch. Compact, economical and easy to use, they provide outstanding, reliable performance.

Available in two function-specific models, UniTools are intended primarily for use with UniPoint® and similar condenser microphones. Both have professional XLR-type input/output connectors, and require balanced cables and 24-48V DC phantom power for operation. ("In" and "Out" markings refer to the *mic audio*.) Both units permit phantom voltage to pass on to the microphone. Featuring rugged steel housings, UniTools can be installed anywhere in-line, either at the mixer input or near the mic.

AT8681 UniMix® AT8684 UniMute® PHANTOM-POWERED IN-LINE MICROPHONE ACCESSORIES

GENERAL SPECIFICATIONS*

INPUT/OUTPUT CONNECTORS	XLRF/XLRM-type
PHANTOM POWER	24-48V DC, 2-4 mA typical
FREQUENCY RESPONSE	20-20,000 Hz
GAIN	Unity (0 dB), +0/-1.5 dB
NOISE (A-WEIGHTED)	-115 dBV typical
WEIGHT	8.8 oz (250 grams) typical
DIMENSIONS	5.12" (130.0 mm) W x 2.36" (60.0 mm) D x 1.73" (44.0 mm) H typical

* Measured at 48V phantom power, 150 ohms input load and 100,000 ohms output load. Specifications apply to both models.

AT8681 UniMix® 2-to-1 Mic Combiner with Balance Control



AT8681 SPECIFICATIONS

INPUT IMPEDANCE	10,000 ohms
OUTPUT IMPEDANCE	250 ohms
MAXIMUM INPUT LEVEL	+15 dBV (1% T.H.D. at 1 kHz)
MAXIMUM ATTENUATION	33 dB at 1 kHz

Description: The AT8681 combines the output from two microphones into one channel. The balance control attenuates each microphone by 6 dB (typical) at midpoint.

Operation: To connect the UniMix, plug two microphones into the XLRF-type input connectors (marked "In"). Then run a cable from the unit's XLRM-type output connector (marked "Out") to the mixer input. Adjust the Balance control until the output of the UniMix is equal for both microphones.

AT8684 UniMute® Mic Attenuator with User-definable Switch Function



AT8684 SPECIFICATIONS

INPUT IMPEDANCE	5,300 ohms
OUTPUT IMPEDANCE	500 ohms
MAXIMUM INPUT LEVEL	+17 dBV (1% T.H.D. at 1 kHz)
MUTING ATTENUATION	57 dB at 1 kHz

Description: The AT8684 is a versatile attenuator which permits easy in-line switch installation and flexible application. Type of external single-pole switch the user supplies determines muting function; closed contact causes muting. Use for on/off, push-to-talk, push-to-mute, etc. (Additional, isolated poles on the switch may be used to control *logic-level DC* circuits.)

Operation: To connect the UniMute, plug the microphone cable into the XLRF-type input connector (marked "In"). Then run a cable from the unit's XLRM-type output connector (marked "Out") to the mixer input.

The UniMute may be installed anywhere in-line. Once mounted, connect an external single-pole switch to the push terminals marked "Switch" and check for proper operation.

One-Year Limited Warranty

Audio-Technica microphones and accessories purchased in the U.S.A. are warranted for one year from date of purchase by Audio-Technica U.S., Inc. (A.T.U.S.) to be free of defects in materials and workmanship. In event of such defect, product will be repaired promptly without charge or, at our option, replaced with a new product of equal or superior value if delivered to A.T.U.S. or an Authorized Service Center, prepaid, together with the sales slip or other proof of purchase date. **Prior approval from A.T.U.S. is required for return.** This warranty excludes defects due to normal wear, abuse, shipping damage, or failure to use product in accordance with instructions. This warranty is void in the event of unauthorized repair or modification.

For return approval and shipping information, contact the Service Department, Audio-Technica U.S., Inc., 1221 Commerce Drive, Stow, Ohio 44224.

Except to the extent precluded by applicable state law, **A.T.U.S. will have no liability for any consequential, incidental, or special damages; any warranty of merchantability or fitness for particular purpose expires when this warranty expires.**

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Outside the U.S.A., please contact your local dealer for warranty details.