

VHF Wireless Systems



ATW-T201

ATW-T202

ATW-R250

- Easy operation
- Clear, natural sound quality
- Reliable performance

System Features

- Advanced dipole antenna system for extended operating range
- Power, RF, and AF Peak indicators
- Volume control, 1/4" output jack and space-saving power supply
- Rugged unidirectional dynamic element on handheld microphone/transmitter
- Variable microphone trim control and easily accessible On/Standby/Off switch on transmitters
- Professional locking connector on UniPak™ body-pack transmitter

Available in 5 System Configurations

ATW-251	UniPak™ Body-pack System
ATW-251/G	Guitar System
ATW-251/H	Headworn Microphone System
ATW-251/L	Lavalier Microphone System
ATW-252	Handheld Microphone System

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Specifications†

Overall System

Operating Frequency	VHF high band, 169 MHz to 172 MHz
Frequency Stability	± 0.005
Modulation Mode	FM
Maximum Deviation	±15 kHz
Operating Range	200' typical
Operating Temperature Range	40° F (4° C) to 110° F (43° C)
Frequency Response	80 Hz to 13 kHz

ATW-R250 Receiver

Receiving System	Non-diversity, single-channel, dual antenna system
Image Rejection	50 dB minimum
Signal-to-noise Ratio	80 dB at 10 kHz deviation (IEC-weighted), maximum modulation 15 kHz
Total Harmonic Distortion	≤1% (10 kHz deviation at 1 kHz)
Sensitivity	20 dBµV for 60 dB S/N (IEC-weighted)
Audio Output	350 mV (1 kHz modulation, 10 kHz deviation, 100k ohm load)
Output Connector	1/4" TS ("mono") phone jack
Power Supply	100-240V AC (50/60 Hz) to 12V DC 1A (center positive) switched mode external power supply
Dimensions	190.0 mm (7.48") W x 42.0 mm (1.65") H x 130.0 mm (5.12") D
Weight	311 grams (11.0 oz)
Accessory Included	Power supply

ATW-T201 UniPak™ Transmitter

RF Power Output	High: 10 mW; Low: 2 mW, typical
Spurious Emissions	Under federal regulations
Dynamic Range	≥90 dB, A-weighted
Input Connections	High impedance, low impedance, bias
Battery (not included)	9V (NEDA type 1604) alkaline
Current Consumption	30 mA typical
Battery Life	Approximately 15 hours (High); 20 hours (Low), depending on battery type and use pattern
Dimensions	65.0 mm (2.56") W x 110.0 mm (4.33") H x 25.4 mm (1.00") D
Net Weight (without battery)	78 grams (2.8 oz)

ATW-T202 Handheld Transmitter

RF Power Output	High: 10 mW; Low: 2 mW, typical
Spurious Emissions	Under federal regulations
Dynamic Range	≥90 dB, A-weighted
Microphone Element	Dynamic unidirectional
Battery (not included)	9V (NEDA type 1604) alkaline
Current Consumption	30 mA typical
Battery Life	Approximately 15 hours (High); 20 hours (Low), depending on battery type and use pattern
Dimensions	241.3 mm (9.50") long, 53.3 mm (2.10") maximum diameter
Net Weight (without battery)	360 grams (12.7 oz)
Accessory Included	AT8456a Quiet-Flex™ stand clamp

† In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

Specifications are subject to change without notice.

Optional System Accessories

Wireless Essentials® Microphones and Cables

All Wireless Essentials accessories are terminated for use with ATW-T201 and all other A-T UniPak™ transmitters.

AT829cW	Cardioid condenser lavalier microphone.
MT830cW	Omnidirectional condenser lavalier microphone.
MT830cW-TH	"Theater" model, same as MT830cW except beige color mic and cable.
AT831cW	Cardioid condenser lavalier microphone.
AT889cW	Headworn noise-cancelling condenser microphone.
AT892cW	MicroSet® headworn omnidirectional condenser microphone.
AT892cW-CO	Same as AT892cW except cocoa color mic, earset and cable.
AT892cW-TH	"Theater" model, same as AT892cW except beige color mic, earset and cable.
AT898cW	Subminiature cardioid condenser lavalier microphone.
AT899cW	Subminiature omnidirectional condenser lavalier microphone.
AT899cW-TH	"Theater" model, same as AT899cW except beige color mic and cable.
ATM350cW	Cardioid condenser clip-on instrument microphone.
ATM73cW	Headworn cardioid condenser microphone.

ATM75cW	Headworn cardioid condenser microphone.
PRO 8HEcW	Headworn hypercardioid dynamic microphone.
PRO 35cW	Cardioid condenser clip-on instrument microphone.
U851cW	Cardioid condenser boundary microphone.
U857ALcW	Cardioid condenser gooseneck microphone. Mounts to 5/8"-27 thread.
AT-GCW	Hi-Z instrument/guitar cable with 1/4" phone plug.
XLRW	Connecting cable for UniPak transmitter with an XLRF-type input connector, for Lo-Z microphones with XLRM-type output terminations.

Other Accessories

AT8114	Foam windscreen for handheld transmitter.
AT8390	Premium cable with 1/4" to 1/4" phone plugs. Available in a variety of lengths.
AT8456a	Quiet-Flex™ microphone stand clamp for handheld transmitter, 5/8"-27 threads.
AT8634	Rack-mount adapter kit mounts one ATW-R250 in a single 19" rack space.
ATW-VP10	Vinyl UniPak™ pouch with belt clip to hold UniPak transmitter.

Visit our Web site @ www.audio-technica.com for extensive information on selecting and using wireless systems.