

# VHF Wireless Systems

200 SERIES

freeway™



## Available in 5 System Configurations

- ATW-201** UniPak™ System
- ATW-201/G** Guitar System
- ATW-201/H** Headworn Microphone System
- ATW-201/L** Lavalier Microphone System
- ATW-202** Handheld Microphone System

## System Features

- Versatile Performance, Easy Operation and Long-term Dependability
- Advanced Dipole Antenna System Extends Operating Range
- Docking Power Supply with Removable IEC Cable
- Adjustable Volume and Squelch Controls
- Dual-power Battery-save Switches on Transmitters
- ATW-T201 UniPak™ Transmitter features Professional Locking Connector and Dual-impedance Input
- ATW-T202 Handheld Transmitter features Rugged Unidirectional Dynamic Element



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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' minimum
Operating Temperature Range	40° F (4° C) to 110° F (43° C)
Frequency Response	80 Hz to 13 kHz

### 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	120V AC 60 Hz, 6 VA; or 12V DC, 200 mA, center positive, with external DC supply
Dimensions	8.27" (210.0 mm) W x 1.72" (43.5 mm) H x 4.73" (120.0 mm) D
Weight	18.9 oz (536 grams); without AC adapter, 11.9 oz (336 grams)
Accessories Included	AD1202A 120V docking AC adapter; 120V AC IEC cordset

### UniPak™ Transmitter

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

### Handheld Transmitter

RF Power Output	10 mW in High position, 2 mW in Low position
Spurious Emissions	Under federal regulations
Dynamic Range	≥ 90 dB, A-weighted
Microphone Element	Dynamic unidirectional
Battery (not included)	9V battery (NEDA type 1604) alkaline
Current Consumption	30 mA typical
Battery Life	Approximately 15 hours in High position Approximately 20 hours in Low position
Dimensions	9.50" (241.3 mm) long, 2.10" (53.3 mm) dia.
Net Weight (without battery)	12.7 oz (360 grams)
Accessory Included	AT8456a 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 all A-T UniPak™ transmitters.

AT829cW	Miniature cardioid condenser lavalier microphone. Includes clothing clip and windscreen. Provided with ATW-201/L systems.
MT830cW	Subminiature omnidirectional condenser lavalier microphone. Includes clothing clip and windscreen.
MT830cW-TH	"Theater" model, same as MT830cW except beige color mic and cable for concealment.
AT831cW	Miniature cardioid condenser lavalier microphone. Includes clothing clip and windscreen.
AT851cW	Surface-mount wide-range hemi-cardioid condenser microphone.
AT857AMLcW	19" gooseneck cardioid microphone. Mounts to 5/8"-27 thread. Includes windscreen.
AT889cW	Headworn noise-canceling condenser microphone. Includes windscreen and cable clip.
ATM35cW	Cardioid condenser instrument microphone. Includes AT8418 clip-on instrument mount.
ATM73cW	Headworn cardioid condenser microphone. Includes windscreen.

ATM75cW	Headworn cardioid condenser microphone. Includes windscreen and cable clip.
PRO 8HEcW	Headworn hypercardioid dynamic microphone. Includes windscreen and cable clip. Provided with ATW-201/H systems.
PRO 35xcW	Cardioid condenser instrument microphone. Includes AT8418 clip-on instrument mount.
AT-GCW	Hi-Z instrument/guitar cable with 1/4" phone plug. Provided with ATW-201/G systems.
XLRW	Connecting cable for UniPak transmitter with an XLR-type input connector, for Lo-Z microphones with XLRM-type output terminations.

### Other

ATW-VP10	Vinyl pouch with belt clip to hold UniPak transmitter.
AT8114	Foam windscreen for handheld transmitter.
AT8141	Water-resistant pouch for UniPak transmitter.
AT8431	Stand clamp for handheld transmitter, 5/8"-27 threads.

Visit our Web site @ [www.audio-technica.com](http://www.audio-technica.com) for extensive information on selecting and using wireless systems

