

Frequency-agile **UHF** Wireless Systems

600 SERIES

freeway®



Available in 5 System Configurations

Each system is available in 2 frequency bands (A,B)

ATW-601 UniPak™ System

ATW-601/G Guitar System

ATW-601/H Headworn Microphone System

ATW-601/L Lavalier Microphone System

ATW-602 Handheld Microphone System

System Features

- **UHF Operation**
Resists interference
- **10 Selectable Channels**
Maximizes flexibility
- **Unique Docking Power Supply**
Eliminates "wall warts"
- **Advanced Dipole Antenna System**
Extends operating range
- **Available in Two Frequency Bands**
Allows use of up to 8 simultaneous systems



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always listening™



Specifications[†]

Overall System*

Operating Frequency	UHF band A: 470.000 MHz to 479.750 MHz UHF band B: 482.000 MHz to 491.750 MHz
Frequency Stability	± 0.005%, Phase Lock Loop frequency control
Modulation Mode	FM
Maximum Deviation	±15 kHz
Operating Range	150' minimum
Operating Temperature Range	40° F (4° C) to 110° F (43° C)
Frequency Response	ATW-601 50 Hz to 16 kHz ATW-602 100 Hz to 13 kHz

Receiver

Receiving System	Synthesized 10-channel non-diversity 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	25 µV 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 nominal, 5 mW typical
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	60 mA typical
Battery Life	4–5 hours
Dimensions	2.56" (65.0 mm) W x 4.41" (112.0 mm) H x 0.87" (22.0 mm) D
Net Weight (without battery)	3.2 oz (89 grams)

Handheld Transmitter

RF Power Output	10 mW nominal, 5 mW typical
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	60 mA typical
Battery Life	4–5 hours
Dimensions	9.65" (245.0 mm) long, 2.11" (53.5 mm) dia.
Net Weight (without battery)	11.2 oz (316 grams)
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.

*Except for operating frequencies, specifications for "A" and "B" units are identical.

Specifications are subject to change without notice.

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

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-601/L systems.
AT831cW	Miniature cardioid condenser lavalier microphone. Includes clothing clip and windscreen.
AT889cW	Headworn noise-canceling condenser microphone. Includes windscreen and cable clip.
AT898cW	Subminiature cardioid condenser lavalier microphone. Includes accessory kit.
AT899cW	Subminiature omnidirectional condenser lavalier microphone. Includes AT899AK accessory kit.
AT899cW-TH	"Theater" model, same as AT899cW except beige color mic and cable for concealment. Includes AT899AK-TH accessory kit.
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.
MT830cW	Miniature omnidirectional condenser lavalier microphone. Includes clothing clip and windscreen.
MT830cW-TH	"Theater" model, same as MT830cW except beige color mic and cable for concealment.
PRO 8HEcW	Headworn hypercardioid dynamic microphone. Includes windscreen and cable clip. Provided with ATW-601/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-601/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.



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