

FREQUENCY-AGILE TRUE DIVERSITY UHF WIRELESS SYSTEMS

ATW-2110 UniPak™ Transmitter System
ATW-2120 Handheld Dynamic Microphone System

2000 SERIES



ATW-R2100

Automatic Frequency Scanning



ATW-T220



ATW-T210

SERIOUS ADVANCES IN AFFORDABLE WIRELESS

Audio-Technica's innovative 2000 Series wireless delivers professional performance unheard of in its class. With this breakthrough series, Audio-Technica makes easy setup, automatic scanning and other advanced wireless features affordable as never before.

Automatic frequency scanning—standard on all 2000 Series wireless receivers—finds and sets the best available channel at the touch of a button. For those using multiple wireless systems simultaneously, the 2000 Series offers another ease-of-use standout: any of its 10 channels may be used together—eliminating confusing frequency groups and other frequency-coordination problems.

SYSTEM FEATURES

- Clear sound quality and rock-solid, dependable performance
- Automatic frequency scanning finds an open channel at the touch of a button
- All 10 user-switchable channels are compatible—for easy use with multiple systems; no confusing frequency groups
- True Diversity operation selects the better signal from the two receiver sections, reducing dropouts
- Tone Lock™ tone squelch system fights interference
- Rugged metal half-rack receiver with soft-touch controls and LCD display featuring RF and AF metering
- Balanced XLR and unbalanced 1/4" output jacks enable use with a wide variety of audio gear
- Includes rack-mount kit and detachable UHF antennas
- Ground-lift switch helps eliminate audible hum caused by ground loops between the sound system and receiver
- ATW-T220 Handheld Microphone/Transmitter features PRO 41 capsule for maximum feedback rejection and consistent sound

 **audio-technica**
always listening™

2000 SERIES

Specifications†

Overall System

Operating Frequency	UHF band, 656.125 to 678.500 MHz
Number of Channels	10 total
Frequency Stability	±0.005%, Phase Lock Loop frequency control
Modulation Mode	FM
Normal Deviation	±5 kHz
Operating Range	300' typical
Operating Temperature Range	41° F (5° C) to 113° F (45° C)
Frequency Response	100 Hz to 15 kHz

ATW-R2100 Receiver

Receiving System	Dual independent receivers, automatic-switching diversity
Image Rejection	55 dB nominal, 50 dB minimum
Signal-to-noise Ratio	>100 dB at 40 kHz deviation (A-weighted), maximum modulation 40 kHz
Total Harmonic Distortion	<1% (±10 kHz deviation at 1 kHz)
Sensitivity	20 dBµV (S/N 60 dB at 5 kHz deviation, IEC-weighted)
Intermediate Frequency	65.75 MHz, 10.7 MHz
Audio Output (AF Level set at "0")	
Unbalanced:	25 mV (at 1kHz, ±5 kHz deviation, 100k ohm load)
Balanced:	12.5 mV (at 1kHz, ±5 kHz deviation, 100k ohm load)
Output Connectors	
Unbalanced:	1/4" phone jack
Balanced:	XLRM-type
Power Supply	120V AC 60 Hz, or 12-18V DC, 350 mA, with external supply
Dimensions	8.27" (210.0 mm) W x 1.73" (44.0 mm) H x 6.39" (162.2 mm) D
Weight	2.2 lbs (1.0 kg)
Accessories Included	Two flexible UHF antennas, rack-mount adapters, AC adapter

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.
MT830cW	Miniature omnidirectional condenser lavalier microphone.
MT830cW-TH	"Theater" model, same as MT830cW except beige color mic and cable.
AT831cW	Miniature cardioid condenser lavalier microphone.
AT889cW	Headworn noise-canceling 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.

ATW-T210 UniPak™ Transmitter

RF Power Output	12 mW
Spurious Emissions	Under federal regulations
Input Connections	High impedance, low impedance, bias
Batteries (not included)	Two 1.5V AA alkaline
Current Consumption	150 mA typical
Battery Life	Approximately 9 hours (depending on battery type and use pattern)
Dimensions	2.60" (66.0 mm) W x 3.63" (92.3 mm) H x 0.89" (22.5 mm) D
Net Weight (without batteries)	2.82 oz (80 g)

ATW-T220 Handheld Transmitter

RF Power Output	12 mW
Spurious Emissions	Under federal regulations
Microphone Element	Dynamic, unidirectional
Batteries (not included)	Two 1.5V AA alkaline
Current Consumption	150 mA typical
Battery Life	Approximately 9 hours (depending on battery type and use pattern)
Dimensions	9.02" (229.0 mm) long, 2.11" (53.5 mm) max. dia.
Net Weight (without batteries)	7.81 oz (221.5 g)
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.

AT899cW	Subminiature omnidirectional condenser lavalier microphone.
AT899cW-TH	"Theater" model, same as AT899cW except beige color mic and cable.
ATM35cW	Cardioid condenser instrument microphone.
ATM73cW	Headworn cardioid condenser microphone.
ATM75cW	Headworn cardioid condenser microphone.
PRO 8HEcW	Headworn hypercardioid dynamic microphone.
PRO 35xcW	Cardioid condenser 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 XLR-type input connector; for Lo-Z microphones with XLRM-type output terminations.



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

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