

FREQUENCY-AGILE TRUE DIVERSITY UHF WIRELESS SYSTEMS

3000 SERIES



ATW-T310
UniPak®
Transmitter



ATW-R3100
Receiver



AT-831cW
Lavalier

AT-892cW Lavalier
AT-892cW-TH Lavalier



ATW-T341
Dynamic Handheld

ATW-T371
Condenser Handheld

SYSTEM FEATURES

- Automatic frequency scanning
- 200 selectable UHF channels
- True diversity operation
- Advanced digital Tone Lock™ squelch
- LCD information display
- Balanced XLR and unbalanced 1/4" outputs
- Step-through menus for setting preferences
- Transmitter battery-life fuel gauge on receiver
- Up to 16 simultaneous systems per frequency band for a total maximum of 32 simultaneous systems across two bands
- **ATW-T310 UniPak® transmitter** features dual-impedance input
- **ATW-T341 Handheld Dynamic Microphone/Transmitter** features the Artist Elite® AE4100 capsule
- **ATW-T371 Handheld Condenser Microphone/Transmitter** features the Artist Series™ ATM710 capsule
- A wide selection of Wireless Essential® mics and cables are available; please see www.audio-technica.com for a complete list

 **audio-technica**
always listening

3000SERIES

Systems

ATW-3110a UniPak® Transmitter System

ATW-3131a Lavalier Microphone System (Includes AT831cW Microphone)

ATW-3141a Handheld Dynamic Microphone System

ATW-3171a Handheld Condenser Microphone System

ATW-3192a Headworn Condenser Microphone (black) System (Includes AT892cW Microphone)

ATW-3192a-TH Headworn Condenser Microphone (beige) System (Includes AT892cW-TH Microphone)

Specifications†

Overall System

| | |
|-----------------------------|---|
| UHF Operating Frequency | Band C: 541.500 to 566.375 MHz; Band D: 655.500 to 680.375 MHz |
| Number of Channels | 200 total, per band |
| Frequency Stability | ±0.005%, Phase Lock Loop frequency control |
| Modulation Mode | FM |
| Normal Deviation | ±10 kHz |
| Operating Range | 300' typical |
| Operating Temperature Range | 41° F (5° C) to 113° F (45° C) |
| Frequency Response | 70 Hz to 15 kHz |

ATW-R3100 Receiver

| | |
|---------------------------|---|
| Receiving System | Dual independent receivers, automatic-switching diversity |
| Image Rejection | 60 dB nominal, 55 dB minimum |
| Signal-to-noise Ratio | 110 dB at 35 kHz deviation (IEC-weighted), maximum modulation 75 kHz |
| Total Harmonic Distortion | ≤1% (10 kHz deviation at 1 kHz) |
| Sensitivity | 24 dBμV (S/N 60 dB at 5 kHz deviation, IEC-weighted) |
| Intermediate Frequency | 243.950 MHz, 10.7 MHz |
| Audio Output | |
| Unbalanced: | 50 mV (at 1kHz, ±5 kHz deviation, 10k ohm load) |
| Balanced: | 32 mV (at 1kHz, ±5 kHz deviation, 10k ohm load) |
| Output Connectors | |
| Unbalanced: | ¼" TS ("mono") phone jack |
| Balanced: | XLRM-type |
| Power Supply | 120V AC 60 Hz, or 12-18V DC, 500 mA, center positive, with external supply |
| Dimensions | 8.27" (210.0 mm) W x 1.93" (49.0 mm) H x 7.20" (183.0 mm) D |
| Weight | 2.4 lbs (1.1 kg) |
| Accessories Included | AC adapter; two flexible UHF antennas; rack-mount adapters |

ATW-T310 UniPak® Transmitter

| | |
|--------------------------------|---|
| RF Power Output | High: 30 mW; Low: 10 mW, nominal |
| Spurious Emissions | Under federal regulations |
| Dynamic Range | ≥110 dB, A-weighted |
| Input Connections | High impedance, low impedance, bias |
| Batteries (not included) | Two 1.5V AA alkaline |
| Current Consumption | High: 200 mA; Low: 150 mA, typical |
| Battery Life | Approximately 6 hours (High); 8 hours (Low), depending on battery type and use pattern |
| Dimensions | 2.60" (66.0 mm) W x 3.43" (87.0 mm) H x 0.94" (24.0 mm) D |
| Net Weight (without batteries) | 2.8 oz (80 grams) |

Handheld Transmitters

| | |
|--------------------------------|---|
| RF Power Output | High: 30 mW; Low: 10 mW, nominal |
| Spurious Emissions | Under federal regulations |
| Dynamic Range | |
| ATW-T341 | ≥110 dB, A-weighted |
| ATW-T371 | ≥108 dB, A-weighted |
| Microphone Element | |
| ATW-T341 | Dynamic cardioid (unidirectional) |
| ATW-T371 | Condenser cardioid (unidirectional) |
| Batteries (not included) | Two 1.5V AA alkaline |
| Current Consumption | High: 230 mA; Low: 180 mA, typical |
| Battery Life | Approximately 6 hours (High); 8 hours (Low), depending on battery type and use pattern |
| Dimensions | |
| ATW-T341 | 9.33" (237.0 mm) long, 1.89" (48.0 mm) dia. |
| ATW-T371 | 9.38" (238.3 mm) long, 2.11" (53.6 mm) dia. |
| Net Weight (without batteries) | |
| ATW-T341 | 9.9 oz (280 grams) |
| ATW-T371 | 8.0 oz (227 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.

Specifications are subject to change without notice.



Audio-Technica U.S., Inc. 1221 Commerce Drive, Stow, Ohio 44224
(330) 686-2600 Fax: (330) 686-0719 E-mail: pro@atus.com www.audio-technica.com

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

Form No. 0468-2200-04 ©2008 Audio-Technica U.S., Inc. Printed in U.S.A.