



3000 Series Wireless in-ear monitor System

Wireless In-Ear Monitor System ATW-3255

Stereo Receiver ATW-R3250



Key Features

1. System

- Hybrid Digital In-Ear Monitor System
- Digital signal processing contributes great sound quality with impressive stereo separation
- Wideband coverage (TX :138MHz, RX :138MHz)
- Longer operation range with high RF power output and antenna diversity
- Setting 25kHz step with group channel and manual
- Frequency setting via RF scan is available
- RF mode is selectable from Stereo, Mono and 3000 Link
- Both RX and TX have 3000link mode to make audio compatible with 3000 WL system
- Setting RX by TX via IR SYNC and sending RX scan result from RX to TX via IR sync
- OLED display for both RX and TX
- Auto lock function for both RX and TX
- High sensitivity Ear-buds ATH-E40 is included

2. Transmitter ATW-T3205

- Both Stereo mode and Mono mode are available
- Loop out for TX
- Network connection with TX for monitoring and setting
- Multi TX frequency setting: TX can deploy the Gr CH frequency to other TXs in same network
- RF OFF from front panel and Power on with RF OFF
- OLED Display
- Auto lock function

3. Receiver ATW-R3250

- Antenna Diversity
- Selectable Audio output mode for Stereo, Mix, Dual Mono and Mono Balance
- Compatible with Charger ATW-CHG3 and ATW-CHG3N
- Audio setting such as EQ, Limiter, gain control and Balance
- Audio level lock:
 - Cue Mode allows monitoring of different stage mixes and storing of up to 10 separate channels on one bodypack
- OLED Display
- Auto lock function



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Overall system specifications

Operating frequencies*1	Band DF2: 470.125 to 607.875 MHz Band EG2: 580.000 to 713.850 MHz
Minimum frequency step	25 kHz
Modulation mode	FM
Nominal/Peak deviation	±34 kHz nominal / ±45 kHz peak
Dynamic range	>90 dB, A-weighted, typical
Total harmonic distortion	<0.2% (at 1 kHz, +4dBu input)
Operating range*2	90 m (300')
Frequency response	40 Hz to 14,100 Hz
Stereo separation	75 dB
Maximum simultaneous use (recommended)*3	49 ch per band

*1 Please note that some frequency bands might not be available in your territory or could come with a limited tuning bandwidth/transmitting power due to local regulations.

*2 Open range environment with no interfering signals.

*3 For assistance with multi-band operation or other frequency coordination issues, contact your local audio-technica dealer.

Transmitter ATW-T3205

RF output power*1	High: 50 mW, Low: 10 mW (switchable) at 50 ohms
Input connection	XLR-F type×2 (Pin1: GND, Pin2: Hot, Pin3: Cold)
Maximum input level	XLR-F type: +24 dBu (at 0 dB sensitivity)
Output connection	6.3 mm (1/4") TRS×2 (Tip: Hot, Ring: Cold, Sleeve: Ground)
Network	100BASE-T
Network port	RJ-45
Power supply	100 to 240 V AC (50/60 Hz) to 12V DC 1 A (center positive) switched mode external power supply
Antenna output	BNC-type, 50 ohms
Dimensions	210.0 mm (8.3") × 191.0 mm (7.5") × 43.4 mm (1.7") (W×D×H)
Weight (without accessories)	1,100 g (39 oz)
Included accessories	AC adapter Rack-mount (large, small) Flexible UHF antenna

*1 May differ depending on the country or region in which you live.



Receiver ATW-R3250

Receiving system*1	Antenna diversity
Image rejection	>80 dB, typical
RF sensitivity	20 dBuV at 60 dBA S/N ratio (50 ohms termination)
headphone output jack	3.5 mm (1/8") TRS stereo mini-jack
headphone output	40 mW (at 12 ohms)
EQ	Low: 80 Hz / 160 Hz / 320 Hz / ±9 dB in 3 dB step High: 6 kHz / 8 kHz / 10 kHz / ±9 dB in 3 dB step
Limiter	Selectable: -30dB to OFF (0 dB) in 6 dB steps
Antenna input	SMA type, 50 ohms
Batteries	3 V DC (two 1.5 V AA) (not included)
Operating temperature range*2	-5°C to +45°C (23°C to 113°C)
Battery life*3	4 to 6 hours (alkaline) 5 to 7 hours (Ni-MH, 1900 mAh) 11 to 13 hours (Lithium)
Dimensions	64.0 mm (2.5") × 23.0 mm (0.91") × 82.0 mm (3.2") (W×D×H)
Weight (without batteries)	102 g (3.6 oz)
Included accessories	ATH-E40

*1 Audio output cable performs as a secondary antenna to ensure stable RF performance.

*2 Battery performance may be reduced at very low temperatures.

*3 Depending on battery type, usage, volume level and environmental conditions.

