

# Audio-Technica Model ESW-R220/210 and T211/T214

## UHF Wireless Microphone System

User Information

**DRAFT**

### **Introduction**

Thank you for purchasing the ESW series wireless microphone system. It is our hope that the system will bring you years of trouble free pleasure and performance. Please follow the information contained in this manual closely as it will assist you in using your equipment effectively.

### **Part 1. Regulatory Requeirements**

FCC PART 15 COMPLIANCE STATEMENT

CANADA RSS-210 COMPLIANCE STATEMENT

“This device complies with Part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.”

“This device complies with INDUSTRY CANADA R.S.S.210, en conformite avec IC:RSS-210/CNR210. Operation is subject to the following conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference which may cause undesired operation.”

Please not that your ESW Series system operates in a frequency band and in a way which makes is use subject to certain FCC and other regulatory restrictions and licensing requirements. For further information, please contact your local office of the FCC as applicable.

### **Part 2. Using the ESW-T211 Beltpack Transmitter**

The beltpack transmitter operates on 2 “AA” size batteries. Please make sure that your batteries are fresh. We recommend that you use Alkaline batteries and that you avoid using NiCad if possible.

Insert batteries into the battery compartment and slide the battery compartment back into place.

Open the rubber cover over the channels selector switch and set the group and channel to the corresponding channels as set on the receiver. Replaces the cover over the rotary switches.

Connect your microphone or guitar cables to the connector on the top sides of the transmitter. If you want the low cut to be on, switch this in.

Turn the transmitter switch to the on position. Confirm that the receiver is receiving RF and that the audio is passing through the receiver.

You are now set to use the system.

### **Part 3. Using the ESW-T214 Handheld Transmitter**

The handheld transmitter operates on 2 “AA” size batteries. Please make sure that your batteries are fresh. We recommend that you use Alkaline batteries and that you avoid using NiCad if possible.

Insert the batteries into the battery compartment and slide the battery compartment cover back into place.

To change the channel of operation, unscrew the battery compartment cover and pull the cover back. Locate the channel selector rotary switches. Set the group and channel to the corresponding channel as set on the receiver. Replace the cover over the rotary switches.

Turn the transmitter switch to the on position. Confirm that the receiver is receiving RF. Speak directly into the microphone and confirm that audio is passing through the receiver.

You are now set to use the system.

### **Part 4. Using the ESW-R210/R220 Receiver**

The ESW-R210/R220 receivers operate on a 110 VAC plug. Plug the unit into an AC outlet. Push the on/off switch. Confirm that the LED comes on. Check the group and channel setting to confirm that they correspond to the settings of the transmitter.

Connect the balanced or unbalanced audio output to your mixer PA system. Adjust the volume setting to the desired level. Speak into the microphone and listen to the audio out at the speaker. If satisfied with the audio quality, you can use the system.

## **ESW Operation specification**

### **ESW-R210/R220**

Operating Band:	728.125-740.500MHz
Type of Reception:	F3E
Frequency Response:	100Hz to 15kHz
No. of Channels:	100
Audio Output Power:	Line level, Unbalanced
Signal to Noise Ratio:	>80 dBa
Antenna Connector:	BNC-R type
Selectivity:	> 50dB
Spurious Rejection:	> 50dB
Receiver Sensitivity:	</= uV for 60 dB S/N, (IEC weighted)

### **ESW-T211 Beltpack Transmitter**

Operating Band:	728.125-740.500MHz
Type of Modulation:	FM, F3E
Frequency Response:	100Hz to 15kHz
No. of Channels:	100
Transmitter Power:	10 mW nominal
Spurious Emissions:	Under federal regulations
Battery:	2 x 1.5V AA size

## **ESW-T214 Handheld Transmitter**

Operating Band:	728.125-740.500MHz
Type of Modulation:	FM, F3E
Frequency Response:	100Hz to 15kHz
No. of Channels:	100
Transmitter Power:	10mW nominal
Spurious Emissions:	Under federal regulations
Battery:	2 x 1.5V AA