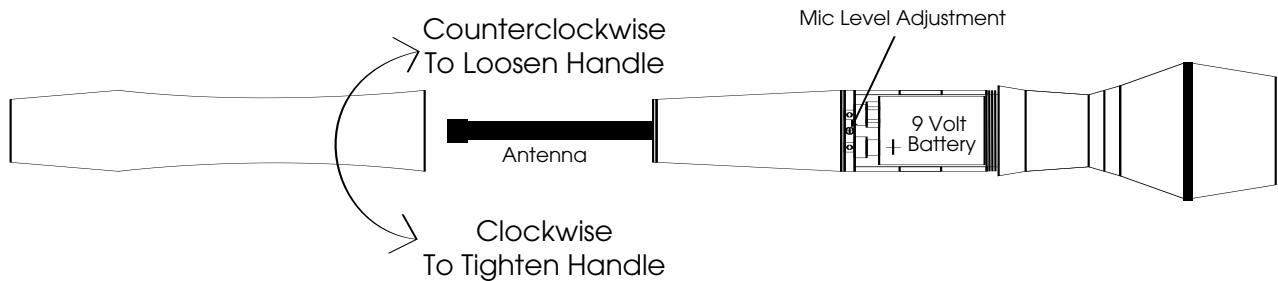




# Operating Instructions

## Wireless Microphone Transmitter Model WMS T25-X\*

(\* -X indicates Channel Number)



### Transmitter Description:

The WMS T25 Hand-Held Wireless Microphone Transmitter is designed for use with the Williams Sound WMS R11 Liberator One Receiver. It operates on the VHF "traveling frequencies" between 169.445 and 171.905MHz. Channel 8 (171.905) is the standard frequency, determined by a fixed crystal. An FCC Part 74 license is required for legal operation (license form enclosed).

The WMS T25 features a high-quality, directional (cardioid), condenser microphone element and compander noise reduction for superb audio quality. A mini "rubber duckie" antenna provides 300 feet of typical operating range. The WMS T25 operates on a 9V battery for approximately 25 hours. An input level control accommodates different vocal levels and a single ON/OFF switch offers simple operation.

### Using the T25 Transmitter:

**Step 1:** To install the battery, unscrew the handle of the microphone from the microphone body. Insert a 9 Volt alkaline battery into the battery compartment. Make sure the positive and negative contacts are properly oriented. Do not force the battery in the wrong way! An optional BAT 003 rechargeable battery and BAT 004 Charger may also be used.

**Step 2:** Slide the microphone handle back into place and thread it carefully onto the microphone body. Do not over-tighten!

**Step 3:** Thread the short, flexible antenna into the hole on the bottom of the microphone.

**Step 4:** Turn the switch on the bottom of the microphone to the "ON" position.

**Step 5:** Connect the R11 Receiver according to the instructions provided with the Receiver. Turn the R11 power switch ON. THE "RF" indicator should be lit on the front panel of the R11 Receiver. When you speak into the T25 Microphone, the "AF" indicator should flash on the front panel of the R11 Receiver. Turn the MIC volume slowly up on your mixer or sound system amplifier. You should be able to hear the T25 microphone through your sound system.

*Note: the receiver must be on the same channel as the transmitter.*

### Additional Battery Information:

#### Disposable Batteries:

Use only an alkaline 9 Volt disposable battery (BAT 006) with the WMS T25 Transmitter. In normal use, an alkaline battery such as the Eveready 522 will provide about 25 hours of use. If the sound becomes weak or distorted, replace the battery. The indicator light may still be on, even with a battery that is weak. Do not leave dead batteries in the Transmitter.

## Rechargeable Batteries:

For the WMS T25, we recommend only the 7-cell, 8.4 Volt types (Williams BAT 003 and BAT 004 Charger). A fully-charged BAT 003 will provide about 4.5 hours of use per charge. Other batteries and chargers are NOT recommended. *DO NOT MIX RECHARGEABLE BATTERIES AND CHARGERS FROM DIFFERENT MANUFACTURERS. POOR BATTERY LIFE OR FAILURE CAN RESULT. DO NOT ATTEMPT TO RECHARGE DISPOSABLE BATTERIES! AVOID SHORTING THE PLUS AND MINUS BATTERY TERMINALS TOGETHER WITH METAL OBJECTS. BATTERY DAMAGE AND BURNS CAN RESULT!*

## Using Multiple Transmitters:

When using more than one transmitter simultaneously, each transmitter must be on a separate channel and must have its own matching receiver to avoid interference. You cannot use channels 1&2 together, 3&4 together, 5&6 together, or 7&8 together. Any other combination of channels is okay.

## In Case of Interference:

If you experience interference with the T25, a different channel must be used. The Transmitter must be returned to Williams Sound to be changed to another frequency and the receiver must be matched to the new transmitter frequency. There is no charge for a frequency change if the System is returned within 30 days of purchase. After 30 days, there is a nominal service charge. If you experience interference with your system, call Toll-Free for Customer Assistance: **1-800-843-3544**. Your Customer Service Representative will give you a Return Authorization Number (RA) and shipping instructions. Pack the system carefully and send it to:

Williams Sound Corp.  
Attn: Repair Dept.  
10399 W. 70th St.  
Eden Prairie, MN 55344

## Warranty

Your Williams Sound Liberator One™ System is engineered and designed to provide you with many years of reliable service. The Liberator One™ System is warranted against defects in materials and workmanship as follows: **THREE YEARS:** WMS T25 Transmitter, WMS R11 Receiver **90 DAYS:** Rechargeable batteries, chargers, cables, antennas, all other accessory products.

If the product fails within the specified warranty period, Williams Sound will determine whether to repair or replace the defective equipment. This warranty does not apply to physical damage, products that have been abused or mis-used, or modified. If you experience difficulty with your system, call Toll-Free for Customer Assistance: **1-800-843-3544**. If it is necessary to return the system for service, your Customer Service Representative will give you a Return Authorization Number (RA) and shipping instructions. Pack the system carefully and send it to the address above.

Your warranty becomes effective the date you purchase your system. Your returned warranty card is our way of knowing when your warranty begins. It also gives us important information about your system including the serial number. This information will help us serve you better in the future. Please take a moment to complete the enclosed card. Thank you.

## WMS T25 Transmitter Specifications:

Dimensions, Weight:	13.5" long including 4" antenna, 1.5" max. handle diameter, 8.5oz. (240g) with battery
Color, Case Material:	Black, ABS
Battery Type:	9V Alkaline, or 7-cell NiCad (BAT 003)
Battery Life:	20mA current drain, Eveready 522: 25 hours, BAT 003: 4.5 hours/charge
FCC Approval:	Part 90.217, ID: H3810119106103
Carrier Frequency:	169.445, 169.505, 170.245, 170.305, 171.045, 171.105, 171.845, 171.905MHz (171.905MHz standard) crystal controlled, $\pm$ .005%
Modulation:	FM, $\pm$ 15kHz deviation
Pre-Emphasis:	75uS
Modulation Control:	2:1 Linear compressor
RF Output:	40mW, nominal
Max.Acoustic Input:	127dB SPL
Control Switch:	2-way, on/off
Microphone:	Cardioid condenser
Antenna:	"Rubber Duckie", 4in. (10cm)
System Range:	Varies with application, 200ft. (70m) or more with WMS R11 Receiver