

LT-700 Portable Transmitter

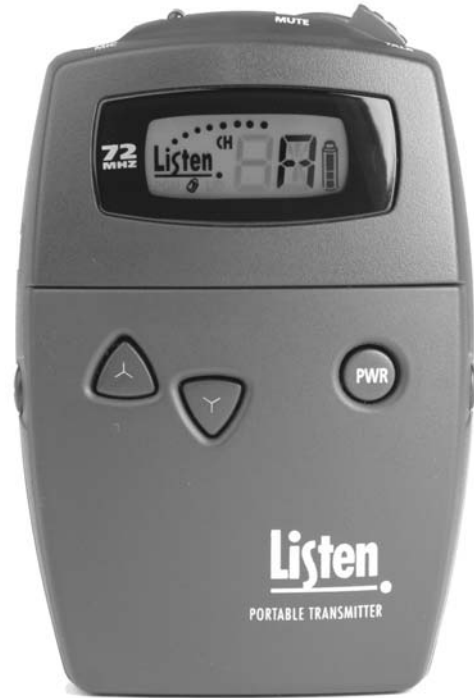
Listen®

www.ListenTech.com

Specify Part Number

LT-700-072
or LT-700-216

The Listen LT-700® Portable Transmitter will broadcast your interpreter or tour guide's voice to everyone in the audience, without having to carry a microphone or be plugged into the wall. Excellent for factory tours, outdoor events, wireless microphone applications, classroom or training, or personal use – anywhere you need to amplify sound but don't have (or want) an installed sound system. Portable transmission has never been easier for users!



Benefits

- Truly Wireless – Roam up to 150 feet (46 m) from the receivers with complete freedom.
- Superior Audio Quality – 80 dB signal to noise ratio ... setting the industry's sound quality standard.
- Look & Listen™ – This transmitter offers a unique LCD display for at-a-glance verification of channel selection and battery level.
- Compatibility – Compatible with most assistive listening equipment.
- SmartCharge™ – Charging circuitry is built into the unit to prevent overcharging, as well as to insure the most complete charge.

User Applications

- tour groups
- language interpretation
- outdoor pavilions
- meeting monitoring
- convention centers
- training facilities
- cruise ships
- schools
- houses of worship
- cafeteria areas
- meeting rooms
- trade shows
- amphitheaters
- pavilions
- offices
- museums
- parks
- zoos
- and many more!

Listen Technologies Corporation
14912 Heritage Crest Way
Salt Lake City, UT 84065-4818 U.S.A.
Phone: 1.801.233.8992 or 1.800.330.0891
Fax: 1.801.233.8995
Email: info@ListenTech.com

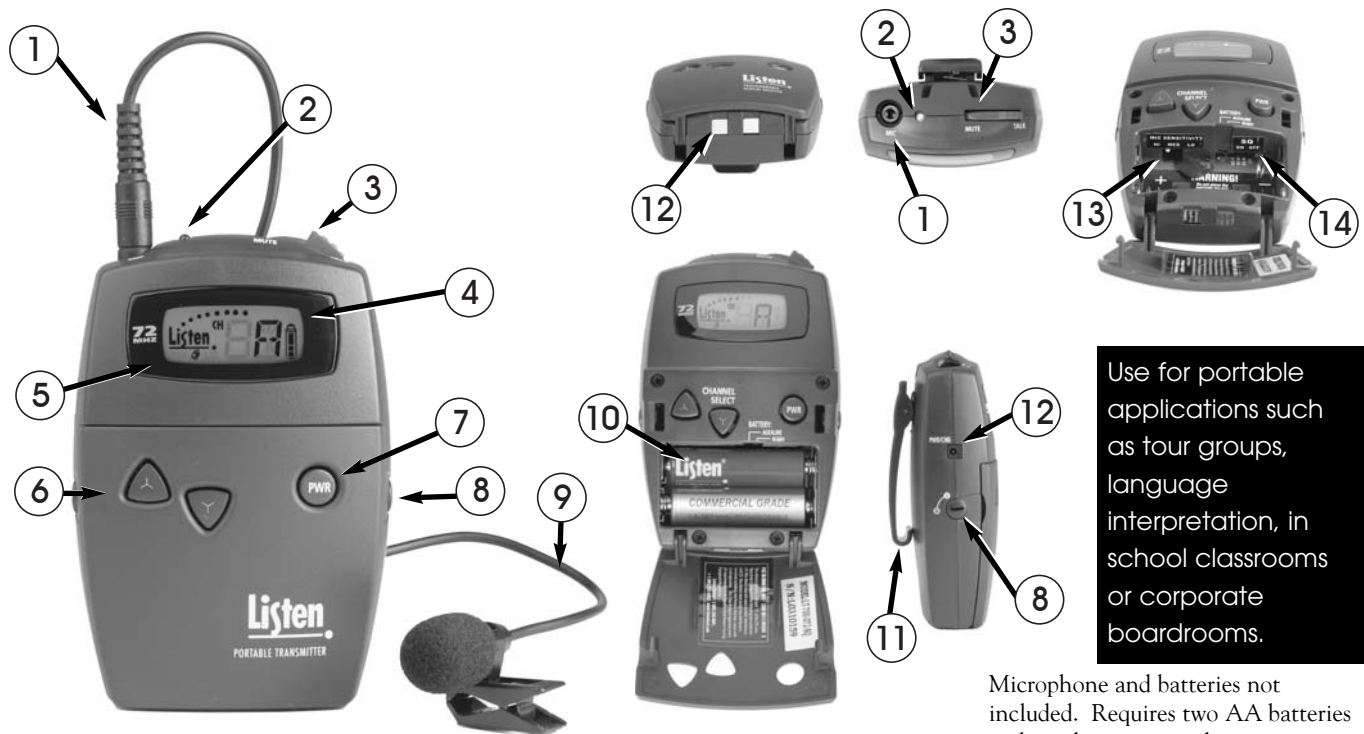
Don't miss a single sound.



LT-700 Portable Transmitter

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Use for portable applications such as tour groups, language interpretation, in school classrooms or corporate boardrooms.

Microphone and batteries not included. Requires two AA batteries and condenser microphone.

LT-700 Features

1. A microphone or line level source (such as a CD or MP3 player) connects here. Use the LA-263 Line/Microphone "Y" Cable to connect an audio device with your microphone.
2. Multifunction LED indicates when microphone is muted, if batteries are low, and charging status.
3. Easy access mute switch.
4. Look&Listen™ LCD Display shows channel selection, channel lock, and battery level (see back cover). Also used to program channel selection (see Feature #5).
5. Offers 57 channels, or can be programmed so that only the channels you are using are displayed.
6. UP/DOWN channel selection. Also used to lock and unlock channel selection to prevent accidental channel switching.
7. Easy access POWER button.
8. Manually lockable battery compartment door.
9. Transmitter antenna is built into the microphone cord, eliminating additional wires while maximizing transmission effectiveness.
10. Uses two AA batteries. Adjustable to use either alkaline or NiMH batteries.
11. Exclusive belt clip "loop" prevents unit from slipping off belt or strap.
12. Optional single transformer charging plug port or contact points for Listen's drop in charging cases.
13. Adjustable microphone sensitivity switch for best audio results.
14. When enabled, SQ technology provides highest audio quality available in its product category. SQ can be disabled for compatibility with other assistive listening equipment.

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LT-700 Accessories



www.ListenTech.com

LT-700 Microphones

Use Both an Audio Source & Mic



Lavalier
LA-261



Collar
LA-276



Conference
LA-277



Over-the-Head
LA-262



**Over-the-Head
Mic w/ Earphone**
LA-272



Behind-the-Head
LA-278



These headsets combine cabling for both a transmitter and a receiver



**Line/Microphone
"Y" Cable**
LA-263



Noise Canceling
LA-270



Hand Held
LA-274

Architectural Specifications

The portable FM transmitter shall be capable of broadcasting on 57 channels. The unit shall incorporate a microphone sensitivity switch. The device shall broadcast on both wide and narrow band channels with a SNR of 80 dB or greater. The device shall have an audio frequency response of 50 Hz to 15 KHz, ± 3 dB at 72 MHz, or of 50 Hz to 10 kHz, ± 3 dB at 216 MHz. The device will incorporate a mute switch. The battery door shall be capable of being mechanically locked. The device shall incorporate an LCD display that indicates channel, battery level, low battery, battery charging, and RF signal strength. The portable transmitter shall incorporate automatic battery charging circuitry for recharging of NiMH batteries, with the ability to charge via a wall transformer or drop in charging case. The Listen LT-700 is specified.

Warranty

Listen Technologies Corporation (Listen®) warrants the LT-700 Portable Transmitter to be free from defects in workmanship and material under normal use and conditions for the useful lifetime of the product from date of purchase. This warranty is only available to the original end purchaser of the product and cannot be transferred. Warranty is only valid if warranty card has been returned within 90 days of purchase. This warranty is void if damage occurred because of misuse or if the product has been repaired or modified by anyone other than a factory authorized service technician. Warranty does not cover normal wear and tear on the product or any other physical damage unless the damage was the result of a manufacturing defect. Listen is not liable for consequential damages due to any failure of equipment to perform as intended. Listen shall bear no responsibility or obligation with respect to the manner of use of any equipment sold by it. Listen specifically disclaims and negates any warranty of merchantability or fitness of use of such equipment including, without limitation, any warranty that the use of such equipment for any purpose will comply with applicable laws and regulations. The terms of the warranty are governed by the laws of the state of Utah, U.S.A. Listen will only accept returned products with prepaid shipping and with a return merchandise authorization number. To receive a return merchandise authorization number call 1.800.330.0891 or 1.801.233.8992. Please see www.ListenTech.com or contact Listen for complete warranty details.

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LT-700 Portable Transmitter Specs



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Specifications		72 MHz	216 MHz
RF	RF Frequency Range	72.025 - 75.975 MHz	216.025 - 216.987 MHz
	Number of Channels	57 (17 wide, 40 narrow)	57 (19 wide, 38 narrow)
	Sensitivity	.6uV typical, 1 uV maximum for 12dB SINAD	
	Frequency Accuracy	±.005% stability 32 to 122° F (0 to 50°C)	
	Transmitter Stability	50 PPM	
	Transmission Range	From 0 to 50 ft. (15.2 m) to 150 ft. (45.7 m)	
	Output Power	Less than 10mW	Less than 100mW
	Antenna	Uses microphone cable	
	Antenna Connector	3.5 mm connector	
Compliance	FCC Part 15, Industry Canada		
** All system specifications are wireless end-to-end			
Audio	System Frequency Response	63 Hz - 15 kHz (± 3dB)	63 Hz - 10 kHz (±3dB)
	System Signal to Noise Ratio (A-weighted)	SQ enabled: 80dB; SQ disabled 60dB	SQ enabled: 80dB; SQ disabled 50dB
	System Distortion	<2% total harmonic distortion (THD) at 80% deviation	
	Microphone Input	Unbalanced, tip of 3.5 mm connector, (55 dBu nominal, -32dBu maximum, impedance 21 Ohms)	
	Microphone Sensitivity	Three position switch: high, middle and low; 6dB increments	
	Line Input	Unbalanced, ring of 3.5 mm connector, (-10dB nominal input level adjustable, +4dBu maximum, impedance 10k Ohms)	
Phantom Power	3VDC		
Controls	Set-up Controls, behind the door	Mic sensitivity, NiMH/alkaline battery, SQ enable/disable	
	User Controls	Power, mute, channel UP and DOWN	
	Programming	Unit can be programmed so that only desired channels are displayed to the user; channel selection can be locked by holding the UP or DOWN button 5 seconds.	
Indicators	LED	Red, illuminates when unit is on. Flashes when batteries are low, or to indicate charging. Flashes 2x when muted	
	LCD Display	Channel, lock status, programming	
Power	Battery Type	Two AA batteries, alkaline or NiMH	
	Battery Life (Listen batteries)	15 hours alkaline (LA-361), 8 hours NiMH rechargeable (LA-362)	
	Battery Charging (NiMH only)	Fully automatic, 14 hours	
	Power Supply Connector	2.3 mm OD by 0.7 mm ID, barrel type connector. 7.5VDC, center positive 300mA. Drop in contact points for use with Listen charging cases.	
Compliance	UL Listed		
Physical	Dimensions	3.0 x 1.0 x 4.25 in. (7.6 x 2.5 x 13 cm) W x D x H	
	Unit Weight	3.9 oz. (111 gm)	
	Unit Weight with batteries	5.8 oz. (164.4 gm)	
	Shipping Weight	1.0 lbs. (0.45 kg)	
	Door	Manually lockable. UP, DOWN and power through door, other controls behind door (see Controls above)	
Environmental	Temperature - Operation	14 to 104° F (-10 to 40°C)	
	Temperature - Storage	-4 to 122° F (-20 to 50°C)	
	Humidity	0 to 95% relative humidity, non-condensing	

Photographs, CAD drawings, etc. available at www.ListenTech.com.

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