



**Configuration:**

- LT-700-072 Portable Display RF Transmitter (72 MHz)
- LT-700-216 Portable Display RF Transmitter (216 MHz)
- LT-700-863 Portable Display RF Transmitter (863 MHz)

**Product Overview:**

Designed for a variety of portable assistive listening applications, the LT-700 Portable Display RF Transmitter delivers the highest level of performance for all needs. Whether transmitting voice or music, the LT-700 offers a clear, reliable signal for use in environments without an installed assistive listening system. Wireless audio is easily and clearly picked up by any of our Listen Portable receivers, allowing you to meet your needs easily and effectively. From outdoor events to classrooms, factory tours to training spaces and more, the LT-700 is the ideal portable transmitter for nearly any setting.

This product is approved by the FCC for use in the US. Please note that they cannot be used in all countries. Check with your local government or specific regulation with regard to broadcast frequency in your specific country. Note: FCC rules limit the use of this product to assistive listening.

**Highlights:**

- Transmits up to six (6) channels of audio simultaneously on the 72 MHz band
- Offers a choice between 57 different channels for flexibility and ease of setup
- 80 dB signal-to-noise ratio provides superior audio quality
- 100% digital signal output ensures a reliable connection to any and all receivers in use
- Compatible with standard AA alkaline and NiMH rechargeable batteries
- Easy-to-read Look & Listen (TM) LCD display with battery level, selected channel, and programming information
- Built-in SmartCharge (TM) prevents batteries from overcharging Mic and/or line-level inputs
- Mute switch
- Limited lifetime warranty with Listen Technologies' hassle-free support

**Includes:**

- One (1) LT-700 Portable Display RF Transmitter
- One (1) Owner's manual (72 MHz)

Product Specification: Portable Display RF Transmitter (72 MHz)	
Audio	
Frequency Response	50 Hz - 15 kHz (±3 dB)
Signal-to-Noise Ratio	SQ enabled: 80dB; SQ disabled 60dB
Distortion	< 2% total harmonic distortion (THD) at 80% deviation
Microphone Input	Unbalanced, tip of 3.5 mm connector, -45 dBu nominal input level, -30 dBu maximum, impedance 20k Ohms
Microphone Sensitivity	Three position switch: high, middle, and low; 6db increments
Microphone Power	5VDC Bias

Product Specification: Portable Display RF Transmitter (72 MHz)	
Line Input	Unbalanced, ring of 3.5mm connector, -10 dbu nominal input level, -3 dbu maximum, impedance 10K ohms
<b>Controls</b>	
User Controls	Power, mute, channel UP/DOWN, Mic sensitivity, NiMH/alkaline battery, SQ enable/disable
Programming	Channel Lock out, Channel lock
<b>Indicators</b>	
LCD	Channel Designation, lock status, signal strength indication, battery life, RF Power
LEDs	Red, illuminated when unit is on. Flashes when batteries are low, or to indicate charging. Flashes when muted
<b>RF</b>	
Frequency Range	72.025 - 75.950 MHz
Number of Channels	17 wide band, 40 narrow band
Frequency Accuracy	± .005% stability 32 to 122 <sup>o</sup> (0 to 50 <sup>o</sup> C)
Antenna Type	Microphone cable
Transmitter Stability	50 PPM
Transmission Range	From 0 to 150 ft. (45.7 m)
Antenna Connector	3.5 mm connector
Output Power	Less than 10mW
Number of Simultaneous Transmitters	6
<b>Power</b>	
Power Supply	I/P 120VAC; O/P 7.5VDC 250 mA; Drop in contact points for use with charging cases. Power supply not included (LA-208)
Power Supply Connector	2.3mm OD by 0.7mm ID, barrel type connector 7.5 VDC, center positive < 250mA. Drop in contact points for use with Listen charging cases
Battery Type	Two AA batteries, alkaline or NiMH
Battery Life	15 hours alkaline (LA-361), 15 hours NiMH rechargeable (LA-362)
Battery Charging Time	Fully automatic, 13 hours
Compliance	RoHS, WEEE, UL, PSE, CE, CUL, TUV, CB compliant
<b>Physical</b>	
Width	3.00 in. (7.6 cm)
Height	5.00 in. (13.0 cm)
Depth	1.00 in. (2.5 cm)
Color	Dark Grey with white silk screening
Unit Weight with Batteries	5.8 oz. (164 g)
Shipping Weight	1.0 lbs. (0.5 kg)
Weight	3.9 oz. (111 g)
Door	Manually lockable, controls accessible through doors
<b>Environmental</b>	

Product Specification: Portable Display RF Transmitter (72 MHz)	
Temperature - Operation	14 to 104° F (-10 to 40° C)
Temperature - Storage	-4 to 122° F (-20 to 50° C)
Relative Humidity	0 to 95% relative humidity, non-condensing
Compliance	
RF	FCC Part 15, Industry Canada