

LT-700 Portable Transmitter

**Model: LT-700-072 (for 72MHz)
LT-700-216 (for 216MHz)**

**Specify Part
Number**

**LT-700-072
or LT-700-216**

The Listen LT-700 Portable Transmitter is perfect for tour group leaders, teachers, language interpreters -- anyone who needs to transmit audio and needs to be mobile. It has 57 channels, with a broadcast range of 150 feet (46 meters) at both 72MHz and 216MHz. It requires a microphone (step 5) and two AA batteries (step10), (the LT-700 utilizes the microphone cord as an antenna).

Available in
72 or
216MHz

Connect a
microphone
and/or line
input here

Denotes 72
or 216MHz unit

Tune to one of
57 different
channels; can
be locked on
channel



A Protective Pouch
option is also
available for the
LT-700 (LA-319)

Multifunction LED
indicates when the
microphone is muted,
low battery and
charging status

Mute switch for private
conversations – when
muted, LED will indicate
mute with fast flash
(line input not muted)

Awesome!

Look & Listen™
Display –
at-a-glance
verification of
channel selection,
channel lock, and
battery level

Power ON/OFF



Antenna is built into
microphone cord for
maximum transmission
effectiveness,
eliminating additional
dangling wires

LT-700 Side View



Transformer Charging
Power Option plugs
in here (LA-202)

Exclusive
belt clip
"loop"
prevents
unit from
slipping off









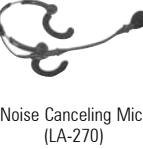

Mechanical
lock prevents
users from
accessing
batteries

Architectural Specifications

The portable FM transmitter shall be capable of broadcasting on 57 channels. The unit shall incorporate an integrated antenna using the microphone cable as an antenna. The device shall broadcast on both wide and narrow band channels. The device shall have an audio frequency response of 50Hz to 15KHz, +/- 3dB at 72MHz, or of 50Hz to 10kHz, +/- 3dB at 216MHz. 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 Listen LT-700 is specified.


LT-700 Portable Transmitter

Accessories

LT-700 Mic Options	Mic with Earphone Options	Connector Options
 Lavalier Mic (LA-261)	 Headset Mic with Earphone (LA-272)	 Line/Microphone "Y" Cable (LA-263)
 Headset Mic (LA-262)	 Over-The-Ear Mic with Earphone (LA-268)	 Sacrificial Cable (LA-275)
 Over-The-Ear Mic (LA-268)	 These headsets combine cabling for both a transmitter and a receiver in one unit.	
 Noise Canceling Mic (LA-270)		
 Hand Held Mic (LA-274)		

Receiver & Portable Transmitter Charging Options

Listen's exclusive SmartCharge™ technology makes recharging assistive listening products easier than ever! Listen offers four charging options to conveniently recharge advanced Nickel Metal Hydride (NiMH) batteries within its products.




Switch to select alkaline or rechargeable NiMH batteries


Fast, no-fuss removal and replacement of batteries, if required

Option 1:
Listen's Charging/Carrying Cases with power supply


- 4, 8 and 16 unit options available
- Automatic drop-in charging (on 8 and 16 Unit models)
- A secure place for earphones to prevent cable tangling
- Simple and easy storage, handling and charging of your Listen system
- Removable lid options also available



LA-311 16-Unit Drop In Charging/Carrying Case




LA-321 8-Unit Drop In Charging/Carrying Case



LA-317 4-Unit Charging/Carrying Case


Option 2:
Power/Charging Transformer (LA-202)

- An ideal, economical solution for charging a small number of units
- One transformer charges one unit



Option 3:
12VDC Automobile Power/Charging Transformer (LA-305)

- Plugs into the product and into a motor vehicle's 12V connector
- One transformer charges one unit



Specifications

RF Frequency Range:
72MHz: 72.025 - 75.950 MHz
216MHz: 216.0250 MHz - 216.975 MHz

Sensitivity: .6 uV typical, 1 uV maximum for 12dB SINAD

Signal to Noise Ratio*:
80dB with SQ enabled (72 and 216MHz).
60dB (72MHz), 50dB (216MHz) with SQ disabled

Frequency Response: 50 to 15 KHz
+/-3dB (10KHz at 216 MHz)

Distortion*: <2% THD

Transmitter Stability: 50 PPM

Output Power:
72MHz: 8000uV at 3m (≈20mW)
216MHz: 100mW (Max allowed by FCC)

Antenna: Uses microphone cable

Available Channels:
72MHz: 17 wide band, 40 narrow band
216MHz: 19 wide band, 38 narrow band

Programming: Front panel can be locked by holding down the SEEK button for five seconds

Physical: 3.0 in (7.6cm) W x 1.0 in (2.5cm) D x 5.0 in (13.0cm) H

Weight: 0.4 lb (0.18 kg) with batteries

Door: Channel and ON/OFF buttons are accessible through the door, lockable

Power: Two AA batteries, alkaline or NiMH rechargeable; external power connector
7.5 VDC, center positive, <300mA

Battery Charging: Fully automatic, < 14 hours

Phantom Power: Included for microphone, 3VDC

Battery Life:
16 hours with high capacity alkaline
8 hours with rechargeable NiMH

Microphone Input: -55dBm, 50 ohms, unbalanced, tip of 3.5mm connector

Line Input: -10dBm, 10k ohms, unbalanced, ring of 3.5mm connector

* System Specifications: End-to-end