

logicom TX7

FM Transmitter Microphone

PRODUCT SPECIFICATIONS

General Description

The Logicom™ TX7, FM Transmitter Microphone is a versatile, "pen shape" lightweight device designed to enhance communication abilities of hearing impaired and learning disabled people in personal, group or educational settings.

Compatible with the new series of Logicom™ BTE FM receivers, and FM Receiver boots, as well as most other brands of auditory assistance devices, Logicom TX7 provides the ultimate flexibility in an FM transmitter.



- The digitally controlled 4-position High Frequency Emphasis Tone Control (TC) enhances speech intelligibility and compensates for body baffle effect due to microphone placement.
- Visible and audible "Low Battery" indicators warn of low battery condition.
- An Automatic Gain Control (AGC) circuit adjusts audio gain to the loudness of the speaker's voice.
- Capable of transmitting on all 25 Extra band channels in the 216-217 MHz bands without having to replace crystals.
- Capable of transmitting live voice from its built-in microphone, auxiliary lapel microphone or both microphones simultaneously. The TX7 is also able to receive direct electrical signals from various auxiliary audio devices such as computers, CD players, etc. via its auxiliary input.

Recommended Applications

By providing the signal-to-noise benefit needed to optimize performance in adverse listening conditions, Logicom TX7 FM transmitter microphone is the ideal listening solution for:

- Auditory assistance in churches, auditoriums or other large area assemblies.
- Personal communication at home, at work, in the car, on the playground or in any noisy social situation.
- Speech Therapy or Aural Rehabilitation sessions.
- Mainstream and self-contained classroom instruction from preschool to graduate school.
- Conference table discussions.

Design Features

- Two momentary push buttons and an illuminated 7-segment display provide all the control functions for the Logicom TX7.
- The digitally controlled 4-position Gain Control (GC) allows FM audio output to be adjusted to user's comfort level and FM audio gain to be adjusted relative to the hearing aid portion of the FM receiver.

TX7 Technical Specifications

Carrier Frequency	216-217 MHz
Channel Spacing	50 KHz
Modulation Mode	Narrow Band FM
Max. Deviation	$\Delta f \pm 10$ KHz
Frequency Control	Quartz controlled Phase Locked Loop Synthesizer
AGC Kneepoint	75 dB SPL
Attack Time	< 4 mSec
Release Time for 70 - 90 dB	$\Delta t < 500$ mSec. : 0.5 + 1.0 Sec
SPL Input Varying During Δt	$\Delta t > 500$ mSec. : 1.0 + 8.0 Sec
Gain Control Range	5 dB
Tone Control Range	+15 dB at 3 KHz ref. 300 Hz
Mic. Sensitivity	75 dB SPL at 1 KHz ref. $\Delta f \pm 30$ KHz
Auxiliary Input Sensitivity	1.0 mVRMS at 1 KHz ref. $\Delta f \pm 30$ KHz
Power Supply	1.2 - 1.5 V (1X AA Size Battery)
Current Drain (1.25 V)	70 mA
Operating Time	NiCad: 6 hrs.; Alkaline: 16 hrs.
Case Dimensions	6.1" X 1.22" X 0.7" (155 mm X 31 mm X 18 mm)
Antenna Length	10.0" (254 mm)
Weight (incl. battery)	2.5 oz. (72gr.)
FCC Compliance	FCC ID: IOXLPT

* Specifications subject to change without notice.

web site:
<http://www.avrsono.c>



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Leading the way to better hearing

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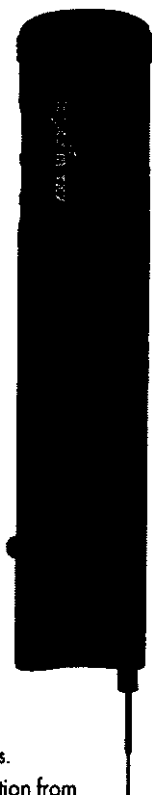
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