

logic

Model TX7

FM Transmitter Microphone

U S E R ' S M A N U A L

1. Identification of controls and preparation for use :

- 1.1. Two push buttons and a seven segment illuminated display control all the functions of the Logicom model TX7 Digitally Controlled FM transmitter microphone.
- 1.2. During basic operation, the blue button located near the auxiliary input is used as the **On-Off** switch and the black **Mode** button is used to toggle between Microphone, Microphone + Auxiliary and Auxiliary input modes.
- 1.3. By pressing the blue and black buttons in special sequences, the user can set the digitally controlled channel(s), gain and tone. Once channel, gain and tone settings have been made, they will remain in the memory of the microprocessor until new settings have been selected.
- 1.4. **Installing a battery** - Open the battery compartment and install a fully charged Nicad or Alkaline AA battery. The positive pole of the battery must be closest to the black **Mode** and blue **On-Off** buttons (See picture on page 14).

1.5. **Low Battery Indicator** - The TX7 transmitter is equipped with a visible and audible low battery indicator. When the voltage of the battery drops below the recommended level, the FM receiver will "beep" three times. Immediately following the "beeps", a blinking "L" will appear on the transmitter's display. The "L" will blink approximately 10 times. If the battery is not replaced after one minute, the FM receiver will again "beep" three times and the blinking "L" will appear on the transmitter's display. This cycle will repeat 5 times, at one minute intervals until the battery is changed. Following the fifth low battery warning, automatic shut down will occur.

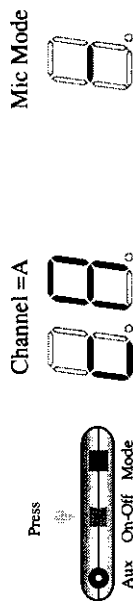
Mic	Low Battery	Mic	Low Battery	Mic
				
		1 MINUTE		

WARNING:

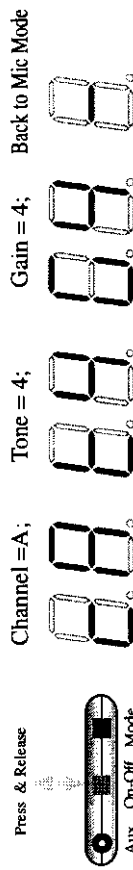
According to FCC regulations, it is prohibited to modify this product in any way or to replace the standard antenna provided with the transmitter.

2. Logicom TX7 Basic Operation:

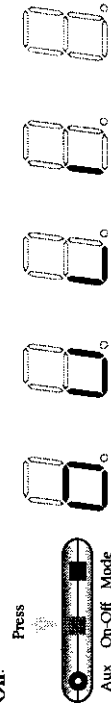
2.1. **Transmitter "On":** Press and hold the blue **On-Off** button until a "c" appears on the display. The character or numeral that follows the "c" will be the FM channel the transmitter is broadcasting on. Following the channel, the symbol of the last input mode will be displayed.



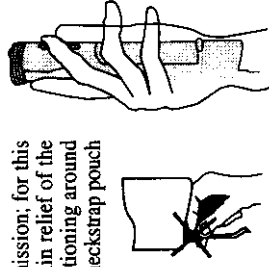
2.2. **Identifying Channel, Tone and Gain Settings:** Control settings may be verified anytime the transmitter is on, by quickly pressing and releasing the blue **On-Off** button. The Logicom transmitter will now display in sequence, the current channel, tone and gain control settings stored in the transmitter's memory. The control sequence is complete when an input mode symbol reappears. See pages 5 for input mode information.



- 2.3. **Transmitter "Off":** Press and hold the blue **On-Off** button. The display will show the "0" symbol. Continue pressing the **On-Off** button. Segments of the "0" will disappear until the display is no longer illuminated and shut down has occurred. If the blue **On-Off** button is released before the last segment of the light disappears, shut down is aborted, current channel, tone, gain and input mode settings will be displayed and the Logicom transmitter will remain **On**.



- 2.4. Touching a FM transmitter antenna effects FM signal transmission; for this reason, and for best transmission, avoid contact with the strain relief of the antenna. See the diagram to the right, for proper hand positioning around the TX7 if it will not be used around the neck via the clip or a neckstrap pouch but will be held.

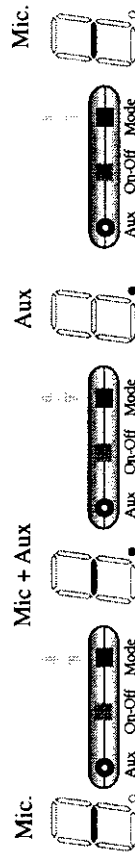


2.5. TX7 Input Mode Selection: The TX7 has 3 input modes: Microphone, Microphone + Auxiliary and Auxiliary only. The black **Mode** button is used to change input modes by quickly pressing and releasing it.

2.5.1. Microphone Mode - Only the built-in microphone is active.

2.5.2. Microphone + Auxiliary Mode - The TX7's built-in microphone is active and signals from the auxiliary input (i.e., lavalier style microphone or auxiliary audio device) can also be heard.

2.5.3. Auxiliary Mode - Enables use of the auxiliary input while muting the TX7's built-in microphone.



3. Logicom TX7 Channel Selection:

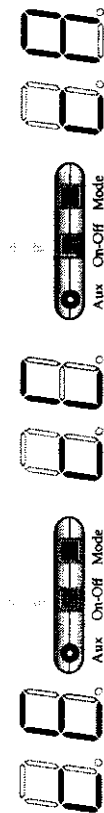
3.1. **Channel Change**- Simultaneously press the blue **On-Off** button and black **Mode** button until the "c" appears on the display. Release both buttons. The channel currently stored in the memory will now appear on the display.



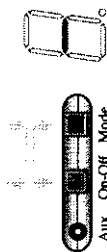
3.2. **Next channel** - To select the next channel, press and release the black **Mode** key. The "c" indicator will appear and the new channel will be illuminated in the display area. Continue pressing and releasing the black **Mode** button until the desired channel is illuminated.



3.3. **Previous channel** - To return to the previous channel, quickly press and release the blue **On-Off** button. Each time the **On-Off** button is pressed, the channel symbol "C" will illuminate, followed by the preceding channel.



3.4. **Locking new channel into memory** - Once the new channel has been selected, simultaneously press and release the blue and black buttons. Once the input mode symbol appears, the new channel has been securely locked into the memory.



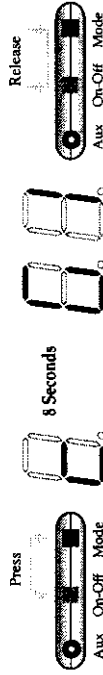
Note: If you forget to simultaneously press and release the **On-Off** buttons to return to the basic operation mode, the Logicom transmitter will automatically exit the channel selection mode after 90 seconds.

Note: Logicom TX7 is capable of storing 20 channels in memory. Wide band channels are marked by letters A-J. Narrow Band channels use numeric characters 1 through 40. Channels are selected in ascending order. As the TX7 uses only one seven segment display for channel indication, numbers appear in rotational fashion. Differentiation of channels such as 12 and 21, is based on the placement of the red dot "•" on the display. For channels 1-9, the display will blink "C", the digit and "C" again. For channels 10 and above; the display will blink "C", the first digit, the second digit and the dot ("•"), then "C" again.

Channel = 1;	Channel = 2;	Channel = 12;	Channel = 21
			

4. Logicom TX7 Gain and Tone Selection:

4.1. **Changing Gain** - Simultaneously press the blue **On-Off** button and black **Mode** button. The "G" will appear on the display. Continue pressing both buttons for 8 seconds. The gain symbol "G" will illuminate, followed by the number representing the current gain setting. Release the **On-Off** and **Mode** buttons.



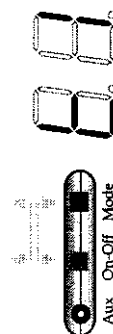
4.2. **Next Gain Value** - To change the gain value, press and quickly release the black **Mode** button. The "G" indicator will appear and a new gain value will be displayed. Continue pressing and releasing the black **Mode** button until the desired gain value appears. Gain values will be displayed in an ascending, rotational manner. The first gain value is 1, the last gain value is 4.



4.3. Previous Gain Value - To return to the previous gain setting, quickly press and release the blue On-Off button. Each time the blue button is pressed, the gain symbol "G" will be displayed, followed by the preceding gain value.



4.4. Locking new gain setting into memory - Once the new gain setting has been selected, lock the new value into the memory by simultaneously pressing and releasing the blue On-Off and black Mode button. The tone control symbol "T", followed by the current tone control setting will now be illuminated



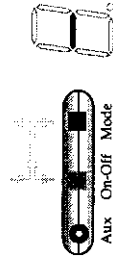
4.5. **Next Tone Value** - To change the tone setting, press and quickly release the black **Mode** button. The tone symbol, "t", followed by a new tone value will be illuminated on the display. Continue, pressing and releasing the black **Mode** button until the desired tone value is illuminated.



4.6. **Previous Tone Value** - To return to the previous tone setting, press and quickly release the blue **On-Off** button. Each time the button is pressed, the "t" will illuminate, followed by the previous tone value.



- 4.6. **Locking new tone setting into memory** - Once the new tone setting has been selected, simultaneously press and release the blue **On -Off** and black **Mode** buttons. The new tone value has been securely locked into the transmitter's memory if one of the input mode symbols appears in the illuminated display. See Page 5 for TX7 input mode symbols.

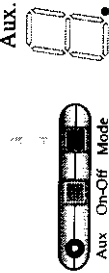


5.0. Logicom TX7 Additional Features

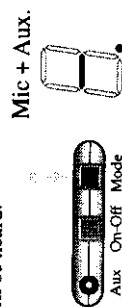
- 5.1. **Auxiliary Input** - The TX7 is capable of receiving direct electrical signals from various auxiliary audio devices such as CD players, TVs, tape recorders, computers with audio, etc.
A direct audio input cord for this 3/32-inch mic level input jack is available as an optional accessory item.

NOTE: DO NOT attempt to recharge a battery inside the case of the TX7 via the auxiliary input. Attempting to do so may result in permanent damage to the transmitter.

5.1.1. **TX7 and lapel microphone:** Your Tx7 was shipped with a lapel microphone that fits into the auxiliary input. To use the lapel microphone instead of the embedded microphone, connect the lapel microphone, and push the black Mode button until the Aux symbol appears on the display.



5.1.2. **TX7 mic with lapel microphone or other audio device:** To use the auxiliary microphone or any auxiliary audio device simultaneously with the embedded microphone, connect the auxiliary device to the auxiliary input, push the black Mode button until the Mic + Aux designator appears on the display area. Both the audio from the auxiliary device and the audio from the embedded mic will be heard.



Logicom TX7 Key Features

Auxiliary Input
On/Off Button
Mode Button
Clip
TX7 Microphone
Display

Battery +
Label
Battery Door
Battery Compartment

Strain Relief
Antenna



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