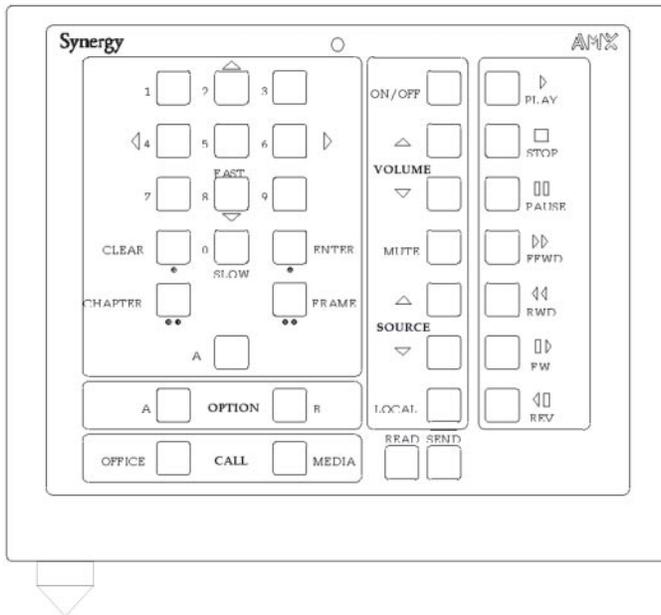
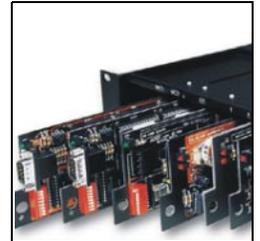




# TX-CTB

Classroom Transmitter  
and Barcode Reader



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# Product Information

The AMX Synergy Classroom Transmitter/Barcode Reader (TX-CTB) provides a full range of control options for a Resource Management System (RMS). It transmits Infrared (IR) format commands to classroom Television Managers.

TX-CTB Specifications	
Dimensions (HWD):	5.25" (133 mm) x 6.26" (159 mm) x 0.75" (19.05 mm)
Weight:	8.4 oz (213.3 grams)
Frequency:	38 kHz - 455 kHz
Frequency options:	<ul style="list-style-type: none"> <li>• High-frequency IR (455 kHz) avoids interference with electronic ballasts</li> <li>• Optional low frequency (38 kHz) to operate with existing AXB-TM installations</li> </ul>
LED indicators:	Six high-output IR LEDs
Power:	Four 1.5 VDC N-size batteries
Enclosure:	High-impact molded enclosure
Buttons:	<ul style="list-style-type: none"> <li>• ALT and OPTION buttons select special control options</li> <li>• LOCAL button selects local video source for receivers/monitors</li> </ul>

## Setting the IR Frequency

1. Remove the battery cover.
2. Set the DIP switch for the correct IR frequency
  - Set the switch position down for 455 kHz.
  - Set the switch position up for 38 kHz.



# Using the TX-CTB

## Television Control

The TV control buttons operate the classroom television. The following functions are always available:

- ON/OFF turns on or off the classroom television power. Only the administrator can control television power.
- VOLUME controls the television volume. Press the up or down arrows to manipulate the volume.
- MUTE activates or deactivates the volume mute option. Press MUTE to activate; press again to deactivate.
- OPTION accesses optional control functions for local television display. Press OPTION B, one of the following number buttons, then ENTER:

- 1 Line 1 select
- 2 Line 2 select
- 3 Closed Caption on/off

- The following functions are for televisions with a local VCR connected to the same AXB-TM:

- 4 Tracking up
- 5 Tracking down
- 6 Reset counter
- 7 Clear
- 9 Text display on/off

## Modes

The TX-CTB has two operation modes: *Local Mode* and *Media Mode*.

### *Local Mode*

Local Mode is active whenever one of the following occurs:

- There is no media scheduled to that classroom.
- Press SOURCE  $\triangle$  (up) to select the next channel.
- Press SOURCE  $\nabla$  (down) to select the previous channel.

### Media Mode

Media Mode is active whenever there is a media source, broadcast channel, or media plan scheduled to a classroom. You can select up to 10 sources.

- Press SOURCE  (up) to pause current media, select next source assignment, and play assigned media source.
- Press SOURCE  (down) to pause current media, select previous source assignment, and play assigned media source.

## Office, Security, or Media Center Control

### Calls

There are two different kinds of calls that you can send:

- **Office:** To send a general emergency call signal to the Paging Console (AXP-PC) or to a Security Panel (AXU-SPL4) press OFFICE then ENTER. To clear the call before you receive a response press OFFICE then CLEAR.
- **Media:** To send a general call to the media center's computer press MEDIA then ENTER.

## System Media Control

The TX-CTB has a standard set of motion control buttons located on the right side.

### Motion

To control the motion of the media, use the following seven buttons:

-  PLAY
-  STOP
-  PAUSE
-  FFWD (Fast forward)
-  REV (Rewind)
-  FWD (Step forward)
-  REV (Step reverse)

### **Laser Disc**

The selected source must accept a Chapter and/or Frame command.

- **Chapter:** To play a specific chapter, press CHAPTER, the chapter number then ENTER.
- **Frame:** To play a specified frame, press FRAME, the frame number, then ENTER.
- **Clear:** To cancel commands, press CLEAR, then ENTER.
- **Audio:** To control audio, press ALT and one of the following number buttons:
  - 1 Left channel (analog)
  - 2 Right channel (analog)
  - 3 Both channels
  - 4 All channels mute (analog)
  - 5 Left channel (digital)
  - 6 Right channel (digital)
  - 7 Both channels (digital)
  - 8 All channels mute (digital)
  - 9 Text display on
  - 0 Side A/B select (if available)

### **VCR**

1. To access an optional feature, press ALT,
2. Then, choose one of the following number buttons and press ENTER:

- 4 Tracking up
- 5 Tracking down
- 6 Reset counter
- 7 Clear
- 9 Text display on/off

### **CD-I Player**

To control the CD-I mouse, use the buttons labeled in yellow. Then, press one of the eight outer number buttons (1 – 4 or 6 – 9). Select from four mouse speeds.

5 increases mouse speed while 0 decreases it.

To activate CD-I functions:

- Press the right ● button (ENTER) or the left ● button (CLEAR) to activate the first CD-I function button.
- Press the right ●● button (FRAME) or the left ●● button (CHAPTER) to activate the second CD-I function button.

## Computer

To control the CD-I mouse, use the buttons labeled in yellow. Then, press one of the eight outer number buttons (1 – 4 or 6 – 9). For information on the Speed and how to activate functions refer to the CD-I Player subsection.

## Slides

To control video slide projectors and still video players, use the following buttons::

-  PLAY (slides on)
-  STOP (slides off)
-  PAUSE (still video standby)
-  FFWD (zoom in)
-  REV (zoom out)
-  FWD (forward)
-  REV (reverse)

## Barcode Reader

To read a barcode:

1. Press READ. The LED turns green.
2. Hold the TX-CTB so the reader is perpendicular to the barcode.
3. Swipe the reader over the barcode until the TX-CTB beeps once. Follow these guidelines:
  - If it does not beep, do not lift the reader from the page; swipe the reader over the barcode in the other direction.
  - It may take more than one pass, or it may take a pass in the other direction to read the barcode.
4. After the TX-CTB beeps once, point it at the AXB-TM5.
5. Press SEND. The LED turns yellow when the TX-CTB transmits the data.

After five seconds of inactivity, the TX-CTB beeps twice and returns to normal IR operation.





**AMX reserves the right to alter specifications without notice at any time.**

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