

**FM Audio Transmitter  
Model: AXS-FMTD**



**Online Service Manuals available at:** [www.broadcastvision.com](http://www.broadcastvision.com)

**FCC Compliance Statement**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

## Quick Install



### **IMPORTANT TIPS BEFORE YOU GET STARTED:**

- Have a list of available FM stations to choose from.
- Leave the antenna down for initial testing.
- The unit works best if it's installed at least 6' above the ground.

## Instructions

1. Locate all the available radio stations in your area. This can easily be done by turning on the FM radio in your car and performing a manual scan from 88.1 up to 107.9. Write down all the available FM stations. These are stations that have complete static/white noise and are not being used by other radio stations.
2. Connect the transmitter to the audio output on your device.
3. Plug the power adapter into the transmitter and plug-in for power.
4. From the list of available radio stations, use the arrow up and down buttons to select the station you want to broadcast from. If radio stations are not displayed on the unit when first plugged in, see our troubleshooting section under Transmitter not displaying FM Frequency (88.1 to 107.9).
5. Test the audio. Using a FM receiver device such as a car radio or FM walkman, tune to the selected radio station to test the sound quality. If adjustments need to be made, adjust the audio source volume to mid level and press the mode button on the transmitter until the numbers 0-10 are displayed. Use the arrow up and down buttons to adjust. 0 represents low volume, 10 represents max volume/signal strength. If audio quality is still not adequate, see the next page and our troubleshooting guide.

## **Settings/Features**

### **Overview of Modes**

The following user modes are selected by pushing the button labeled “MODE”:

1. Frequency Mode – Allows user to select a broadcast frequency. This mode is indicated by a frequency in the display window. This mode also checks for the presence of an adequate input signal. When the device is not connected properly or the input volume is not sufficient, the left-most decimal point will be illuminated.
2. Operating Mode – Allows the user to switch the transmitter in between FM and 900MHz
3. Input Level Mode – Adjusts the audio level into the Transmitter. This mode is indicated by a number 0 – 10 in the display window.

### **Select a Broadcast Station**

1. Tune your car radio or Walkman-style FM receiver to 101.5 FM then advance up or down through the channels until you hear a station that is static only. This empty frequency is available to broadcast TV audio.
2. Press the UP or DOWN button on the Transmitter until the desired frequency is displayed.
3. Note that the frequency and other mode settings will be saved into the Transmitter after the buttons have not been pressed for 2 minutes so that if a power outage is experienced the proper settings will be restored when power is restored.

### **Connect to an Audio Source**

1. Connect the audio source to the transmitter through one of the 3 audio input options:
  - A. analog audio jack
  - B. digital optical jack
  - C. digital coax jack

The transmitter will automatically detect the input option

2. Adjust the LCD Volume to a mid-range or until the audio broadcast from the LCD provides the best sound quality. The LCD audio level to the Transmitter can also be adjusted by pressing the mode button to access the Input Level mode. This mode is indicated by a number 0-10 in the display window. Press the UP/DOWN buttons to adjust the input audio level until the audio broadcast provides the best sound quality.
3. The left-most digit and left-most decimal point functions as a simple volume level meter. The left-most decimal point will light up when no audio is detected from the audio source. The bottom LED segment illuminated indicates lower than desired audio level. The bottom and middle level segments illuminated indicates a favorable audio setting. When all 3 audio segments are lit up, the input volume level is too high resulting in an overdriven condition.

**NOTE: The Transmitter incorporates an Automatic Level Control feature which will automatically fine-tune the internal audio signal level for optimum performance after the initial setting (above) has been completed.**

## Troubleshooting

### **No audio getting to transmitter:**

Note - This can be seen when there is a decimal point in the display in between the frequency such as (.90.5).

- Check to make sure the transmitter is plugged into an **audio output** on the audio source (for example TV, soundboard, mic, etc). If the connection is not labeled **audio output**, then it is an input and will not work for sending audio to the transmitter. Try turning the volume up on the audio source.

### **Transmitter not displaying FM Frequency (88.1 to 107.9):**

- If your transmitter is displaying a channel number (CH01) instead of a radio station FM frequency press the mode button and when 915 is displayed press the up button to switch to F which is FM mode. Next press the mode button two more times and you will be able to select your radio station.

### **Transmitter sending a clicking noise to the receiver:**

- The clicking noise is usually a result of the transmitter being connected with one of the two types of digital audio cables, fiber optic or digital coaxial. When connecting the transmitter with a digital cable, the source device must have Dolby Digital turned off. To fix this problem go into the menu of the source device and switch the digital output from Dolby Digital to PCM.

### **Static noise can be heard in the background of the audio:**

- First make sure the transmitter's antenna is extended and visible from the primary listening locations. Do not hide the entire antenna behind the TV.
- You may also need to try various position of the antenna to find the one that works the best in your location.
- Make sure that you have the transmitter set to a radio station that is not currently being used by anything else in your area. The best way to check this is to scan with an FGM tuner and try to find channels that are nothing but static in the building where the transmitters are being used.

**If you are still having issues getting the transmitter to operate properly please call Broadcastvision customer service at 888.330.4283 x 3.**