



# WMTV-109AS/110AC

## 2 Streaming Wireless Media Center/Client

- IEEE802.11a standard compliant WLAN
- MPEG-2 standard video compression and decompression
- Supports 2 SD format streaming in the same time.
- Automatic adaptation of video bit rate and WLAN bit rate
- Transmission of IR control signals to the DVD from the TV location
- Overall propagation delay of less than 1 second
- Security and encryption features to assure for video rights protection

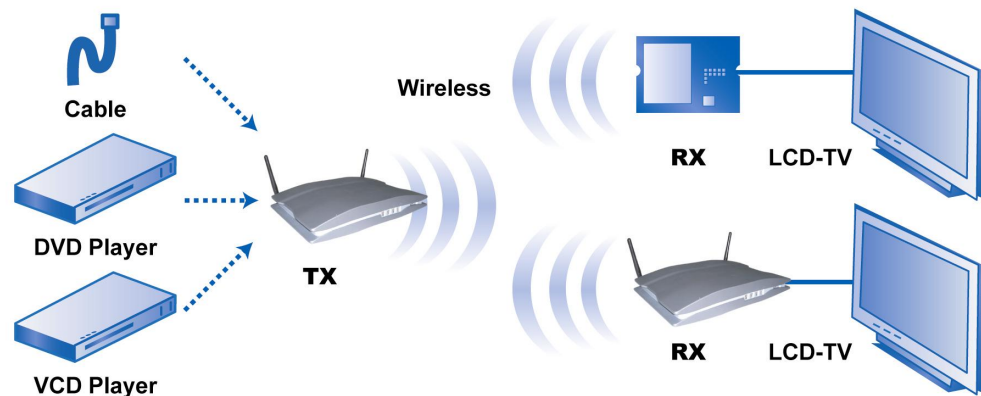
Gemtek WMTV-109AS/110AC 2 Streaming Wireless Media Center/Client product delivers audio and video over wireless channel. It enables a wireless connection between a video source (DVD, VCR, PCR, STB, BS or PC) and a video display (standard TV, flat screen TV or video monitor).

The Wireless Media Center system transmits audio and video signals from the WMTV-109AS TX unit to the WMTV-110AC RX unit, over IEEE802.11a WLAN, by encoding the signals according to MPEG standards.

The TX unit is embedded in a Video Source device (DVD, VCR, PVR, STB, dedicated Based Station or PC). The RX unit is embedded in a Video Display device (a standard television, flat screen television or video monitor).

Specifically, Gemtek WMTV-109AS supports up-to 2 SD streaming channels in the same time. You can have two WMTV-110AC devices for different Video Display devices, then they can have different streaming program source.

The IR function enables the user to control the DVD (or other video source) even when the TV and the DVD are not in the same room. The user can use the DVD's remote control unit by point the remote control at an IR receiver located at the RX unit. The IR signals are conveyed by WLAN to the TX unit.



# General Specifications

<b>Product Name</b> Wireless Media Center/Client	<b>Security</b> 64/128-bit WEP
<b>Model Number</b> WMTV-109AS / 110AC	<b>Antenna</b> 2 dBi gain (5.15~5.35 GHz)
<b>Spreading</b> Direct Sequence Spread Spectrum (DSSS)	<b>LED Indicators</b> Power
<b>Frequency Range</b> 5.15GHz to 5.35 GHz	WLAN Activity ( LINK / ACT )
<b>Number of Channels</b> 3 for North America (8 for Turbo Mode)	<b>Host interface</b> Input: / WMTV-109AS TV tuner1, TV tuner2
<b>Data Rate</b> 54,48,36,24,18,12, 9, 6 Mbps per channel, auto fallback for extended range	AV1:S-video, composite, audio-L, audio-L AV2:S-video, composite, audio-L, audio-L Output: / WMTV-110AC
<b>Modulation</b> 64 QAM, 16 QAM, QPSK, BPSK	S-video, composite, audio-L, audio-R
<b>Transmit Power</b> - 6Mbps 10-5 BER @ -88dBm, typical - 9Mbps 10-5 BER @ -86dBm, typical - 12Mbps 10-5 BER @ -85dBm, typical - 18Mbps 10-5 BER @ -83dBm, typical - 24Mbps 10-5 BER @ -80dBm, typical - 36Mbps 10-5 BER @ -76dBm, typical - 48Mbps 10-5 BER @ -71dBm, typical - 54Mbps 10-5 BER @ -67dBm, typical	<b>Temperature Range</b> 0~40°C(operating), -20~65°C (storing)
<b>Standards</b> IEEE 802.11a for Wireless LAN	<b>Humidity</b> 15%~95%
	<b>Power Adapter</b> Input: AC 100~240V, 0.35A, 50Hz~60Hz Output DC 9V, 2A
	<b>Dimension</b> 260 mm x 160 mm x 45 mm
	<b>Weight</b> 850 g