

TR-1010 / 10 CH Wireless A/V sender



Description:

The powerful microwave AV sender being designed at 2.4GHz with 4, 8 or 10 optional channels up to one watt high output power can transmit crisp clear video/audio signal wirelessly even through walls or ceilings.

Using AV cables to connect the AV transmitter with your AV sources (e.g. Cable TV, Satellite Receiver, Set-top Box, VCD, DVD, LD, VCR, Surveillance camera or Camcorder, etc.) and the AV receiver with any AV playback devices (e.g. another TV, monitor, PC, Notebook PC, etc.) and then plug in the power adapters for both transmitter and receiver units to enjoy the amazing AV transmission convenience.

Features:

- User friendly – just plug and play with channel auto-scan and jumping built in
- Worldwide PAL/NTSC video format applicable
- Cable-free for AV transmission
- 4, 8 or 10 optional channels at 2.4GHz ISM band - superior to avoid interference
- 1 watt high output power to optimize the transmission range

Applications:

- Home audio/video entertainment –
 - ◆ Simultaneously watching video program on a 2nd TV/monitor without cables.
 - ◆ Local broadcasting of audio/video programs for multiple viewers even in different room.
 - ◆ Wireless transmission of Hi-Fi stereo to any active speaker.
- Home surveillance –
 - ◆ Remote monitoring of live video from a camcorder or CCD camera.
 - ◆ Recording via external device connection with receiver

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Specification:

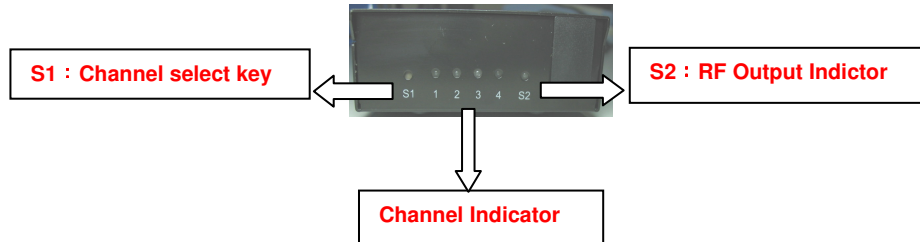
Transmitter :

Operation Frequency Range		2400 ~ 2483MHz
Channel Indicator	Green light	CH1 : 2414MHz CH2 : 2432MHz CH3 : 2450MHz CH4 : 2468MHz
	Red light	CH5 : 2330MHz CH6 : 2350MHz CH7 : 2370MHz CH8 : 2390MHz
	Orange light	CH9 : 2490MHz CH10 : 2510MHz
Channel Setting		By Tact Switch
RF Output power		30dBm ± 1.5dB
Video Modulation Type		FM
Audio Modulation Type		FM-FM
Supply Voltage		DC +9 ~ +16 V (Recommend Adapter: 12V 1A)
Supply Current		680mA (Max.)
Operation Temperature		- 10°C ~ + 60°C
Video Input Signal Level		1V P-P, ± 0.2V @75Ω
Audio Input level		3Vp-p (Max.) @10KΩ
Audio Sub-carrier Frequency		L_CH : 6MHz R_CH : 6.5MHz
Antenna Gain		5 dBi
Dimension		118 mm * 78 mm * 32 mm

Receiver :

Operation Frequency Range		2400 ~ 2483MHz
Channel Indicator	Green light	CH1 : 2414MHz CH2 : 2432MHz CH3 : 2450MHz CH4 : 2468MHz
	Red light	CH5 : 2330MHz CH6 : 2350MHz CH7 : 2370MHz CH8 : 2390MHz
	Orange light	CH9 : 2490MHz CH10 : 2510MHz
Channel Setting		By Tact Switch
Input Signal Level Range		-30 ~ -85dBm
Video Demodulation Type		FM
Audio Demodulation Type		FM-FM
Supply Voltage		DC + 9V (Recommend Adapter: 9V 300mA)
Supply Current		220mA ±15mA
Operation Temperature		- 10°C ~ + 60°C
Video Output Signal Level		1V P-P, ± 0.2V (75Ω)
Video S/N Ratio (1KHz, 1VP-P Sine Wave)		40dB (Min.)
Audio Output Impedance		10KΩ, typ.
Audio Output Signal Level		3VP-P, ± 0.3V (Max.)
Harmonic Distortion (THD)		3% (Max.)
Audio S/N Ratio		50 dB (Max.)
Audio Sub-carrier Frequency		L_CH : 6MHz R_CH : 6.5MHz
Antenna Gain		1 dBi
Dimension		126 mm * 78 mm * 100 mm

4CH / 8CH /10CH Transmitter



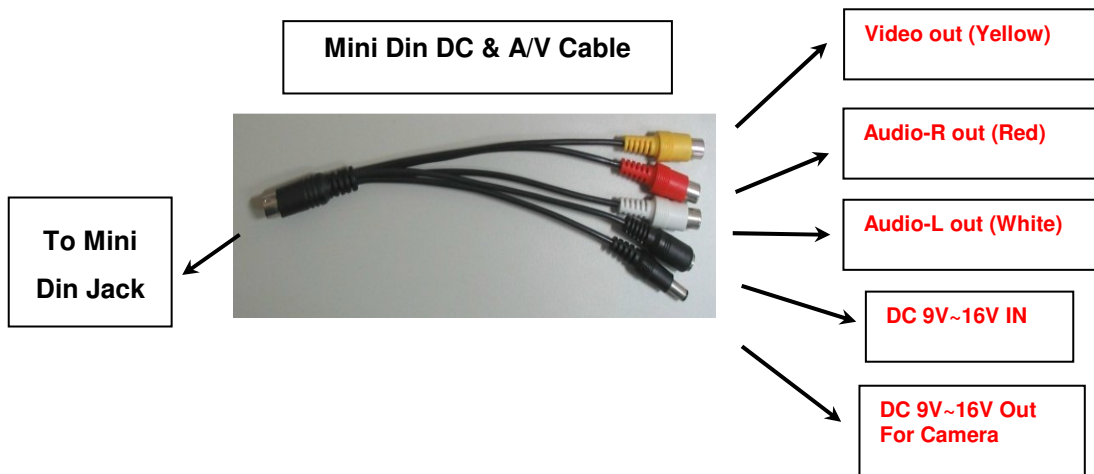
Channel Select Setting:

- Please press S1 key to switch the channel from CH1 to CH4, CH1 to CH8 or CH1 to CH10 for channel jumper setting. These channels make a cycle. When order please indicate the required channel numbers. We'll set channels for you. Please refer to the table to identify your current channel and do the channel setting you prefer.

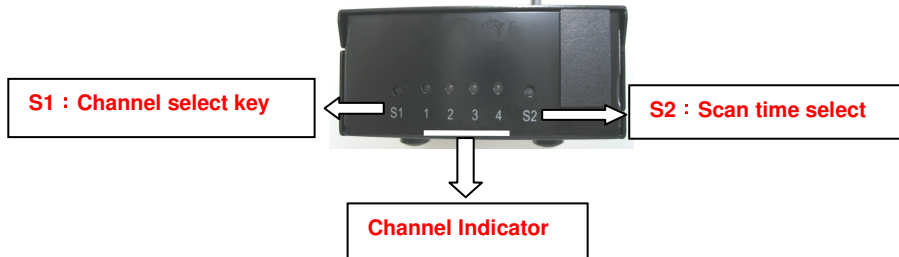
Channel	Indicator LED			
	1	2	3	4
CH1: 2414MHz	Green	off	off	off
CH2: 2432MHz	off	Green	off	off
CH3: 2450MHz	off	off	Green	off
CH4: 2468MHz	off	off	off	Green
CH5: 2330MHz	Red	off	off	off
CH6: 2350MHz	off	Red	off	off
CH7: 2370MHz	off	off	Red	off
CH8: 2390MHz	off	off	off	Red
CH9: 2490MHz	Orange	off	off	off
CH10: 2510MHz	off	Orange	off	off

RF Output Indicator LED (S2 Red LED at transmitter unit):

- Normally, the RF output power will be over 27dBm and the S2 LED will be turned ON. It means the antenna can work well with transmitter. If the S2 LED is OFF, please check your antenna and cable connection.



4CH / 8CH / 10CH Receiver



Channel Auto Scan Setting: (Do Auto Scan Setting via S1 Key)

- How can we enable the Auto Scan setting of the multi-channels you would like to review?
Select your desired channel via pressing S1 key. The current channel LED should keep light on. Please press S1 key and hold it until this channel LED keep flashing to enable channel Auto Scan setting. Go to next desired channel to do the same procedure.
- How can we disable the Auto Scan setting of the channels you don't want?
Go through all channels via S1 key. If the channel is enabled the Auto Scan setting, this channel LED will keep flashing. Please press S1 key and don't release until this channel LED keep light on.

Auto Scan Timing Setting: (Do Scan Timing Setting via S2 Key at receiver unit.)

- The default Scan Timing is 3 seconds. You can press S2 key to change the timing between 1 and 8 seconds.
- Please press S2 key to set the scan timing and check the below matrix table to know the current scan timing.

Scan Time (Sec)	Indicator LED			
	1	2	3	4
1	ON	off	off	off
2	off	ON	off	off
3	off	off	ON	off
4	off	off	off	ON
5	ON	off	off	ON
6	off	ON	off	ON
7	off	off	ON	ON
8	ON	off	ON	ON

Application Map:

