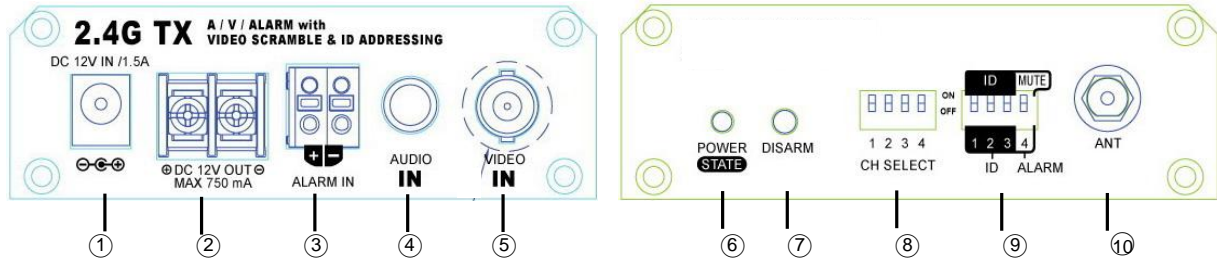


2.4GHz WIRELESS A/V/ALARM TRANSMITTER USER MANUAL

1. Panel View



1. DC+12V IN: Power input DC+12V/1.5A.
2. DC+12V OUT: DC+12V/750mA for box camera only, and with the over current protector.
3. ALARM IN: Once triggered, the built-in buzzer rings on for a 20-sec time. This port could be connected to alarm sensor, e.g.: PIR Detector, Magnetic Reed Switch Detector.
4. AUDIO IN: RCA female for input audio signal.
5. VIDEO IN: BNC female for input video signal.
6. POWER/State LED: Indicated to power on and ARM status.

Indications	Power/State LED
Power On	On
ARM	High speed Flashing

7. DISARM: DISARM at TX transmitter's side only.
8. CH SELECT (1 2 3 4): 2.4GHz 4-CH transmission channel selection. [Default: In-Band 4-CH]
(Note: Only one mode work at a time. If you want to use out-band mode, the TX transmitter and RX receiver must made the same jumper setting, please reference to the Appendix A.)

In-Band Mode			Out-Band Mode		
CHANNEL	CH SELECT	FREQUENCY (MHz)	CHANNEL	CH SELECT	FREQUENCY (MHz)
CH1	ON ↑ 1 2 3 4	2414	CH1'	ON ↑ 1 2 3 4	2490
CH2	ON ↑ 1 2 3 4	2432	CH2'	ON ↑ 1 2 3 4	2510
CH3	ON ↑ 1 2 3 4	2450	CH3'	ON ↑ 1 2 3 4	2390
CH4	ON ↑ 1 2 3 4	2468	CH4'	ON ↑ 1 2 3 4	2370

9. ID AND ALARM MUTE: ID address setting is use for paring with RX receivers. It must be make the same code setting to link transmitter and receiver each other. The alarm mute function is use for muting built-in buzzer at TX transmitter's side only.

Bit 1	Bit 2	Bit 3	ID Address (Pairing with RX)
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	0	0	4
1	0	1	5
1	1	0	6
1	1	1	7

(1 = SW ON, 0 = SW OFF)

Bit 4	Alarm Mute
0	ON
1	OFF

10. ANT: SMA connector for connected to 2.4 GHz antenna.

REMARK: When the frequency channels have the interference, adjust antenna or change the channel of transmitter and don't close to 802.11 a/b/g AP router and other 2.4GHz devices, To use different transmitting channel would be avoid to interference other 2.4GHz device, especially set transmitting channel at out-band mode.

2. Caution for Installation

- 2.1 Be careful, never let any water in this equipment.
- 2.2 If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
- 2.3 Be extra careful not to shake the unit.
- 2.4 Avoid places where temperatures exceed 50 ° C or higher.
- 2.5 Avoid places where there are frequent vibrations or shocks.
- 2.6 When any abnormalities occur, make sure to unplug the unit and contact your local dealer.

3. Packing

- 3.1 Transmitter ×1
- 3.2 Antenna ×1
- 3.3 User manual ×1
- 3.4 Screws ×4
- 3.5 Plastic-Conical-Anchor ×4
- 3.6 Power Adaptor ×1 [Option]

4. Specification

CHANNEL/ FREQUENCY	In-Band	CH1	CH2	CH3	CH4
	4-CH	2414 MHz	2432 MHz	2450 MHz	2468 MHz
	Out-Band	CH1'	CH2'	CH3'	CH4'
4-CH	2490 MHz	2510 MHz	2390 MHz	2370 MHz	
RF IMPEDANCE	50 Ω Typical				
POWER SUPPLY	DC12V/1.5A Adaptor				
CURRENT CONSUMPTION	350mA Typical , Start-up current 650mA (DC12V Input)				
DC OUTPUT	DC12V/750mA				
RF OUTPUT POWER	1.0 W				
VIDEOINPUT	1.0 Vp-p Composite @ 75Ω				
AUDIO INPUT	2.0 Vp-p Typical, 2.7 Vp-p Max. @ 600Ω				
ALARM INPUT	TTL/CMOS (Level Detection)				
DIMENSIONS (without Antenna)	L:86 mm	H:30 mm		D:110 mm	

Appendix A: How to Shift the TX Transmitter and RX Receiver from In-Band 4-CH to Out-Band 4-CH by Jumper Setting.

STEP 1: Unscrew back-panel screws.

TX



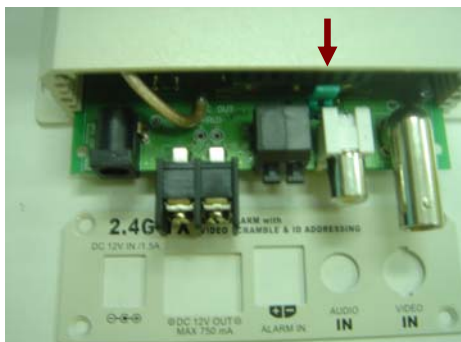
RX



STEP 2: Pull the board outside and you can see a jumper there.

(Note: Don't pull too much. Same as the picture bellow is good.)

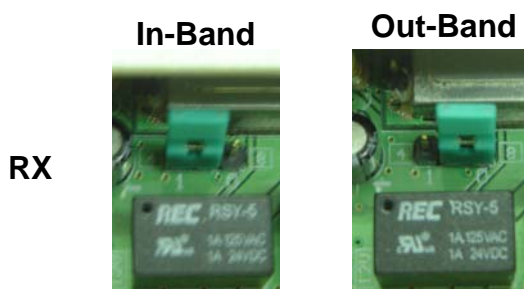
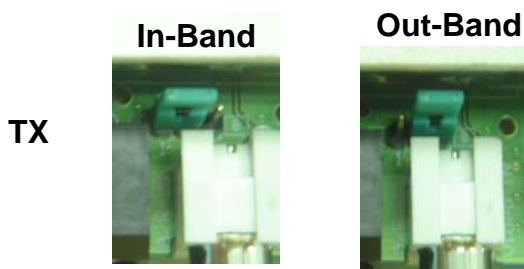
TX



RX



STEP 3: Jumper configuration for 2.4G TX and RX.



In-Band Mode			Out-Band Mode		
CHANNEL	CH SELECT	FREQUENCY (MHz)	CHANNEL	CH SELECT	FREQUENCY (MHz)
CH1	ON ↑ 1 2 3 4	2414	CH1'	ON ↑ 1 2 3 4	2490
CH2	ON ↑ 1 2 3 4	2432	CH2'	ON ↑ 1 2 3 4	2510
CH3	ON ↑ 1 2 3 4	2450	CH3'	ON ↑ 1 2 3 4	2390
CH4	ON ↑ 1 2 3 4	2468	CH4'	ON ↑ 1 2 3 4	2370