



## 900MHz 1000mW Wireless A/V Transmitter Part Number TX9-1000 (Non-USA)

The TX9-1000 is a miniature audio-video (A/V) transmitter that operates on the 900MHz RF band. It is designed for ham radio hobby use and must not be used in commercial applications.

Due to its high RF power, using the TX9-1000 requires an amateur/ham radio license (some countries may forbid its use). It is your responsibility to ensure that its use meets the requirements imposed by your government's RF spectrum regulations. Do not purchase this product if you are unsure of the government requirements or are not able to comply with them.



**DPCAV or its resellers will not be held responsible for ANY problems that may occur due to the use of this RF device. Use at your own risk!**

### SPECIFICATIONS (NON-USA MODEL):

Frequency: CH1=910MHz, CH2 = 980MHz, CH3=1010MHz, CH4=1040MHz  
RF Power: 1000 milliwatt (1 Watt)  
RF Port Z: 50 ohms  
Modulation: FM video / FM audio  
RF Stability:  $\pm 250$ KHz, phase lock loop (PLL) controlled  
Video Type: Composite NTSC or PAL  
Video Level: 1Vpk-pk  
Video Z: 75 ohms  
Audio Input: Mono, standard line level (1V)  
Audio Z: 10K ohms  
Voltage: 12VDC (min 11VDC, max 12.5VDC)  
Current: 450mA typical  
Ant Jack: Female SMA  
A/V Inputs: Standard RCA jacks  
Power Jack: 2.1mm x 5.5mm DC barrel type, + center pin  
Range: >900 meters typical (unobstructed open area)  
Weight: 135 grams (155 grams with dipole antenna)  
Dimensions: 2.0 x 2.4 x 1.3 inches (51 x 61 x 33 mm)

*Note: Specifications subject to change without notice.*

## INSTALLATION NOTES

1 Do not operate the TX9-1000 without an antenna and never use an antenna that is not designed for 900MHz operation. Otherwise serious damage will result and the warranty will be voided.

2 A/V Cabling Details:

A/V INPUT COLOR CODE	
Yellow	Video In
White	Audio In

3 Power Jack Details:

The power inlet is a standard 2.1mm barrel jack. It is positive center pin.



4 Do not exceed the recommended voltage and never connect the power connections backwards (reverse polarity). Otherwise serious damage will result and the warranty will be voided.

5 If mains powered, the TX9-1000 requires a voltage regulated 12VDC wall adapter. Do not use unregulated types since they may cause serious damage. Battery power sources are recommended; a 3-cell (11.1V) lithium polymer / LiPO pack works well for portable operation.

6 The audio input is configured for standard line level audio sources. Microphones can be used but must be the amplified type, such as DPCAV's Tiny-Mic (part number MIC-001).

7 The transmitter will become hot during use. It must have adequate air flow to prevent overheating. Never block the air holes. If it becomes too hot to touch then immediately remove power and allow it to cool.

8 The 900MHz RF signal is very strong and may cause EMI/RFI (interference) to nearby GPS systems, electronic controllers, radio receivers, and other electronic items. If this occurs, move the transmitter antenna further away from the affected items and any related wiring. We recommend a minimum of 16 inches (more may be required). The optional TXF-900 EMI/RFI antenna filter can be used to help resolve such problems.