

Titan Transmitter-Receiver Manual

Instructions below are for Titan Transmitter and Receiver.

Titan transmits and receives NTSC, PAL, SECAM color signals as well as Black & White.

Powering up:

Before powering up the Transmitter (Tx) or Receiver (Rx), screw the provided antennas on the top of each unit. The antennas are not interchangeable. The Transmitter antenna features a female RPSMA connector, while the Receiver antenna has a male SMA connector.

Power the Tx and the Rx via the Hirose 6 or Lemo 2 connectors. Connect the Tx to the video source, and the Rx to a monitor.

Turn the **Rx on first** by flipping the top switch forward while the Tx stays turned off. The red display of the Rx should read **A** for channel A (2412.5 Mhz). Look at the monitor and verify that the Rx is not receiving interferences or transmission from another source. If it does, go to the next channel (B).

Turn the Tx on by flipping the top switch on. The red display of the Tx should read **A** for channel A (2412.5 Mhz).

The red displays of the Tx and Rx should both read the same channel number. The antennas on both the Tx and Rx should be kept vertical.

Changing channels:

On the Tx or Rx, press again the top switch forward and the red display will read **B** for channel B (2427.5 Mhz).

Scroll through the 4 channels (A, B, C, D) by pressing again the top switch forward.

Powering off:

Flipping the top switch towards the back of the unit on the Tx or Rx will turn them off: the red display is off.

While turned on, both the Tx and Rx housings should stay cool.

IC

The Term "IC" before the radio certification number only signifies that Industry of Canada specifications were met.

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

Titan US transmitter has been designed to operate with an antenna having a maximum gain of 2.2 db. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 Ohms.

TECHNICAL SPECIFICATIONS

Nominal Levels: Composite	1V / 75
Video connectors Antenna connectors:	Video in/out BNC SMA (Receiver) RPSMA (Transmitter)
Channel Frequencies	A= 2412.5 Mhz B= 2427.5 Mhz C= 2442.5 Mhz D= 2457.5 Mhz
Video Bandwith	5.5 Mhz at -3 db
Power Input Power Consumption	+10 to 36v DC . Tx: 1.9W max* Rx: 1.8W max*
Power Connectors	Lemo 2 (+1, -2) Hirose 6. Tx: 1:Gr; 2: Video in; 3: DC in; 4: GR; 5 & 6: Reserved Rx: 1:Gr; 2: Video out; 3: DC in; 4: GR; 5 & 6: Reserved
Mechanic: Dimensions (mm) Dimensions (inches) Weight	105 (l) x 72 (w) x 25 (d) 4.1" (l) x 2.8" (w) x 0.9" (d) 200 g (0.4 lbs) each.
Operating Temperat.	-25° C +65° C

* varies with the voltage



Caution: changes or modifications not expressly approved by Transvideo S.A could void the user's authority to operate this equipment.

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.

Complies with EN 300 440 and EN 300 489 standards.

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