



2.4GHz Mini Video Transmitters

OWNER'S MANUAL

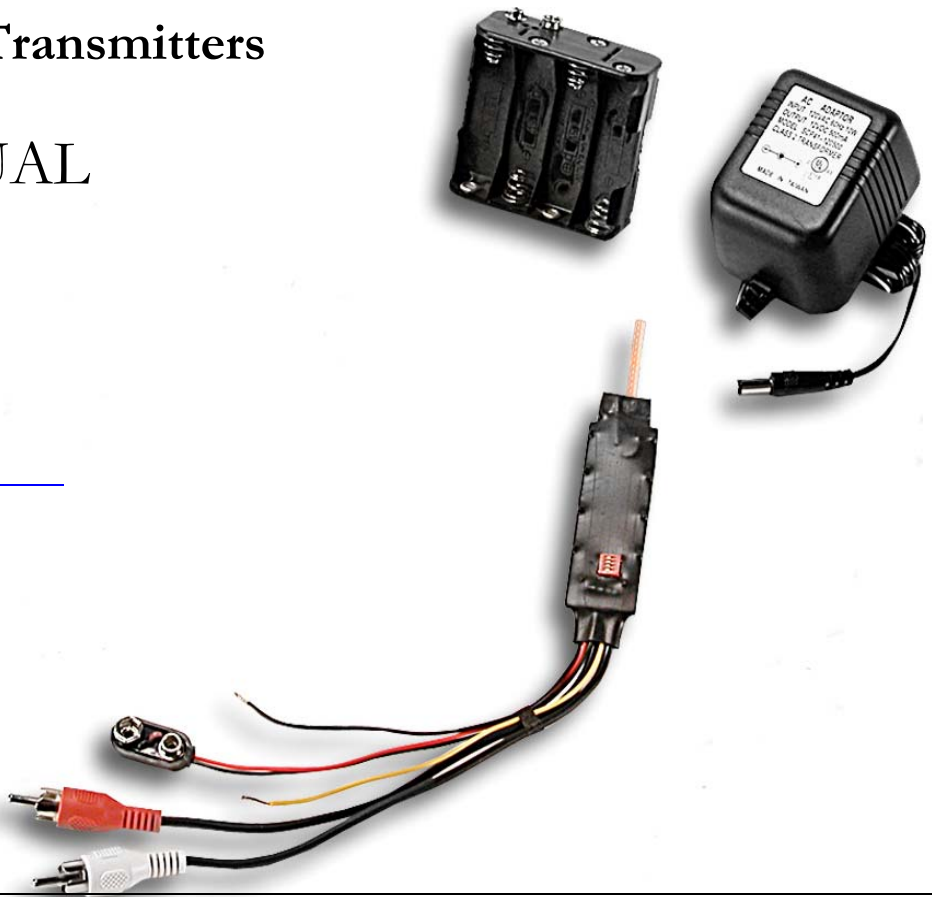


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SAFETY NOTICES

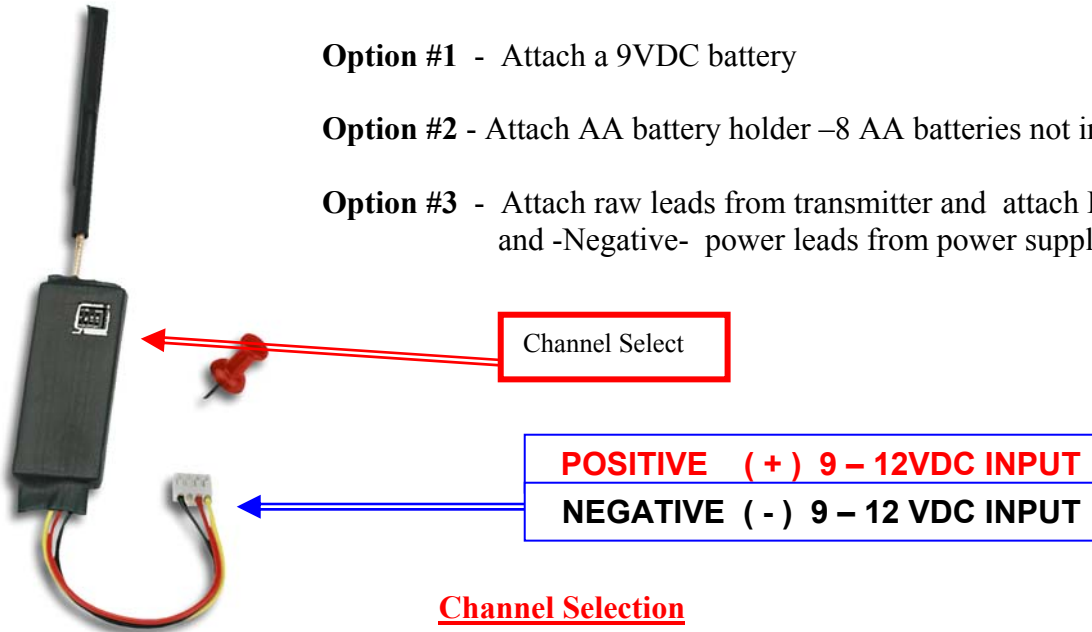
- I. THIS DEVICE COMPLIES WITH FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITONS:**
- (1) This device may not cause harmful interference, and
 - (2) this device must accept any interference, including interference that may cause undesired operation of the device
- II. In order to comply with the FCC/IC adopted RF exposure requirements, this transmission system will be installed by an authorized professional installer of VideoComm Technologies. Installation of all antennas must be performed in a manner that will provide at least 23cm clearance from the front radiating aperture, to any user or member of the public.**
- III. This is NOT an intrinsically safe device. Do not take into area where intrinsic safety is required. Bodily harm may result if warning is ignored.**
- IV. DO NOT OPERATE TRANSMITTER WITHOUT ANTENNA CONNECTED TO ANTENNA PORT. Failure to do so will result in permanent damage to the unit and void the warranty.**
- V. Do Not Operate the device when the Transmitter & Receiver are closer than ten feet to each other. The devices may not work properly and permanent damage can occur.**
- VI. The T-2400 series has been certified by the FCC for use with other products without any further certification (as per FCC section 2.1091.) Changes or modifications not expressly approved by VideoComm Technologies could void the user’s authority to operate the equipment.**

The term “IC:” before the radio certification number signifies that Industry Canada Technical specifications were met.

Transmitter Setup

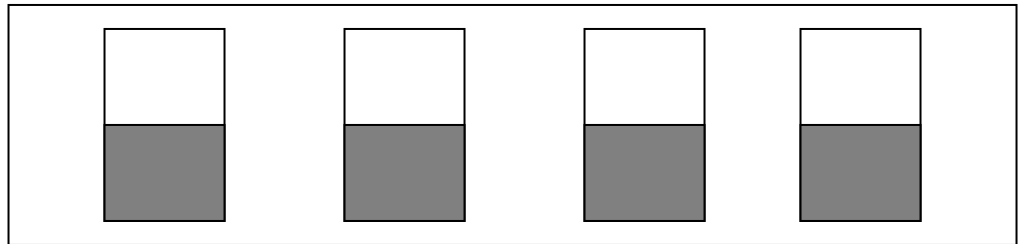
WARNING! Transformer must not be powered while making connections. An electrical short can occur, causing harmful damage to the unit and/or personal injury.

Note: The transmitter device does not have an ON/OFF switch. The moment a power source is connected to transmitter, the device is working. This is important to note if using batteries and still in setup mode.



The transmitter has 4-user selectable channels. On the face of the transmitter you will find a small opening with three dip-switches as illustrated. Using a pen or paperclip, and select your desired channel.

Dip Switches



	Frequency	PIN 1	PIN 2	PIN 3	PIN 4
Channel # 1	2.4129 GHz	OFF	OFF	ON	ON
Channel # 2	2.4319 GHz	OFF	OFF	OFF	ON
Channel # 3	2.4509 GHz	OFF	OFF	ON	OFF
Channel # 4	2.4699 GHz	OFF	OFF	OFF	OFF

TIPS & TROUBLE SHOOTING

Power Problems

Check power supply. Most troubleshooting issues are caused by inadequate power source .

Note : Minimum voltage required to properly operate transmitter is 8 volts DC. Maximum voltage to transmitter is 12 Volts DC. Since there is not a power ON/OFF switch on the transmitter, the device is automatically and immediately working when a battery or power source is connected

Snow on the Monitor

If there is snow or noise on your monitor this is a good indication that the receiver is receiving a weak signal.

To correct an image that has a lot of noise (snow) a number of things can be done.

- Move the transmitter and receiver closer together.
- Eliminate obstructions between the transmitter and receiver.
- Add a high gain antenna to the receiver end to increase receive sensitivity.
- Use a higher output power transmitter. (Not Recommended)

Interference

We strongly recommend that you always conduct a temporary setup of any wireless equipment before systems are permanently mounted. As we are sharing a radio frequency that is considered part of the public band, we do not have any entitlement to that frequency and must accept interference if it exists.

Examples of RF Interference

- Other 2.4GHz video transmitters in your area.
- 2.4GHz wireless data network, LAN or WAN. 802.11 b/g
- Proximity to some consumer products may be a source of interference. Examples include cordless phones, consumer data transceivers for wireless Internet, and Bluetooth devices.

Other Examples of Interference Not Related to Wireless

- Improper line-of-sight, installation or alignment of transmitters and receivers.
- Power source ground loops.
- Incorrect voltages to devices (too high or too low), including transmitters and receivers.
- Sharing power supplies between devices.
- Power source is too close to video cable, low impedance, coax cable kinks, poor video cable terminations, improper and/or lengthy power source cabling.
- Corresponding transmitter and receiver sets are on different channels.

Things that block transmission

Things that block transmission are not always obvious. Here are some of the most common pitfalls:

- Water, or anything with water in it (people are 98% water). Snow & rain can reduce your distance.
- Steel, or anything with steel in it---steel-reinforced concrete (rebar) or metal window screens, or a tool-room cage. Aluminum siding, and energy-saving foil on the insulation in the walls are sneaky killers for radio waves. Some metallic paints or metallic wallpapers also block signals.
- Mirrors block transmission, because the “mirror” consists of a metallic backing on the glass.
- Lead windows will kill radio transmission; also windows that are UV coated may have thin metal energy-saving film.
- High Voltage transmission lines (physically they look small, but for video transmission purposes, they might as well be 6-foot diameter metal sewer pipes.
- Other materials like brick, drywall or wood, will also cut down on the signal, depending on water content.

Possible Solutions if Experiencing Interference

- Change the channel of your transmitter or move your wireless video devices farther away from the source of interference. Transmitters do not have to be beside the camera source and the receivers do not have to be beside the monitoring equipment.
- Before connecting the video feed into the transmitter, use a field monitor to check that you have a good video picture. Similarly for the receiver, check the video output first before connecting to the video feed into the monitor or recorder.
- Check power sources and video cable runs for possible ground loops problem, correct voltages, cable kinks, impedance and proper termination. Ensure proper gauge of wire/cable is used for lengthy video and power source installations.

WARRANTY INFORMATION/ TERMS & CONDITIONS

VideoComm Technologies, herein referred to as “VCT.”

LIMITED WARRANTY

VCT hereby warrants, subject to the conditions here in below, that should this product become defective by reason of improper workmanship or material defect during the specified warranty period, VCT will repair the same, effecting all necessary parts without charge for either parts or labor, or replace the unit at VCT option.

Labor: ONE (1) Year from the date of original purchase from authorized Re-seller. TWO (2) Years for Antennas only.

Parts: ONE (1) Year from the date of original purchase from authorized Re-seller. TWO (2) Years for Antennas only.

Void Warranty

Purchaser warranty will be void and purchaser waves any rights to make warranty claim if product has been opened, altered or modified, repaired or serviced by anyone, other than the service facilities authorized by VCT to render such services. Further, the seal/serial number on the unit must not have been altered or removed. The unit must not have been subject to accident, misuse, abuse or operated contrary to the instructions provided. The opinion of VCT with respect to this matter shall be final. This warranty does not include and is not extended to broken and damaged accessories, batteries and exposed antennas and to parts wearing out due to normal wear and tear.

Proper Delivery:

Returned products will not be accepted for warranty repair unless accompanied with a valid Return Merchandise Authorization (RMA) number issued by VCT. RMA numbers issued by VCT are valid for 15 days. Shipments received after 15 days will be refused. The unit must be shipped, freight prepaid or delivered to the VCT Service facility, in either its original package or similar package, affording an equal degree of protection and with instructions indicating the location within Canada or the United States to which the unit will be returned. The repaired unit will be returned to the customer freight prepaid unless the warranty claim is deemed void or invalid. All accessories included with the unit must be listed individually on the packing slip for the shipping documentation. VCT will not accept any liability, for loss or damage to such accessories if they are not listed.

Proof of Purchase Date:

This warranty applies and commences to VCT products, from the original date of purchase from an Authorized Re-seller. Proof of purchase (i.e.: photocopy of invoice), must be included with product when submitting for warranty repair.

Warranty Limitations:

This warranty does not cover maintenance or check-ups, if required. This warranty gives you specific legal rights and you may also have other rights, which vary from state/province to state/province. Some states/provinces do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, therefore the above exclusions or limitations may not apply to you. VCT is not responsible or liable for indirect, special, incidental or consequential damages arising out of or in connection with, the use or performance of the product or other damages with respect to loss of property, loss of revenues or profit, or cost of removal, installation or reinstallation.

PRODUCT RETURNS

30 Day Product Return Policy ** If you are not satisfied with a product, you may return it to VCT within 30 days from original date of shipment within the following conditions:

- ◆ Original shipping charges are not refundable unless deemed that VCT shipped incorrect item(s), incorrect quantity (ies) or original manufacturers defective product (subject to VCT validation).
- ◆ Returned products will not be accepted unless accompanied with a valid Return Merchandise Authorization number (RMA).
- ◆ RMA numbers issued by VCT are valid for 15 days. Shipments received after 15 days will be refused.
- ◆ Returns must include a copy of original invoice, the completed VCT packing slip, and a detailed statement of reason for return.
- ◆ Customer is responsible for all freight charges, duties and taxes, if applicable. Product must be properly packaged and shipped, prepaid to VCT in its original packaging, or similar packaging that offers an equal degree of protection. VCT will charge the full replacement cost for any missing components or parts. VCT is not responsible for lost or damaged merchandise. We strongly recommend insuring products for return shipping.
- ◆ Return claims are void if manufacturer’s seal is broken and/or products are altered or modified, subjected to an accident, improper handling, improper installation, misuse and abuse or operated contrary to the operating instructions. Products returned that are not in “re-saleable” condition will be returned to customer at their expense.
- ◆ Discontinued items, special or custom-made equipment items (items not carried as stock even though they may appear on price lists) may not be returned. Returned products will be evaluated at the original purchase price and not at any subsequent price increase or decrease.

** Subject to the conditions stated above, the following re-stocking fees will apply to products returned for credit/refund.

VCT reserves the right to determine the validity of the product returned and / or refuse to accept product for credit.

0 % Re-Stocking Fee (less original shipping charges): If product is returned within 30 days from original VCT ship date.

25% Re-Stocking Fee (less original shipping charges): If product is returned within 60 days from original VCT ship date.

50% Re-Stocking Fee (less original shipping charges): If product is returned within 90 days from original VCT ship date.

100% Re-Stocking Fee (0% credit) : If product is returned after 90 days from original VCT ship date.

DISCLAIMER

In no event will VCT or any of its affiliates be liable for any indirect, special, punitive, consequential liability, or incidental damages upon any basis of liability whatsoever even if advised of the possibility of such damages. In addition, VCT does not take any responsibility or assume any liability for the wiring, installation or placement of the equipment Customer purchases, or for the activities of any other individual or entity such as Customer’s Company, those who prepare the specifications or any local Authorities who inspect or approve Customer’s installation.