

Wireless A/V



Installation & Operation Manual

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Wireless A/V Installation and Operation Manual
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Introduction

The ClearOne Wireless Audio/Video is a 2.4 GHz wireless transmitter and receiver system. Using the Wireless A/V, you can place your ClearOne camera in any location without running a video cable from the camera to the monitor. The wireless signal range is up to 700 feet.

Professional services

If you need additional information on how to install, set up, or operate your Wireless A/V, please contact us. We welcome and encourage your comments so we can continue to improve our products and serve your needs.

ClearOne Communications ~ 1825 Research Way ~ Salt Lake City, UT 84119

Technical Support

Tel: 1-800-283-5936(USA) or 1-801-974-3760
Fax: 1-801-977-0087
E-mail: tech.support@clearone.com
Web: www.clearone.com

Sales and Customer Service

Tel: 1-800-945-7730 (USA) or 1-801-975-7200
Fax: 1-800-933-5107 (USA) or 1-801-977-0087
E-mail: sales@clearone.com

Sales and Customer Service (International)

Unit 4 Hernes Estate
Greys Road
Henley on Thames
Oxfordshire
United Kingdom
RG9 4NT

Tel: 44 (0) 1491 414430
Fax: 44 (0) 1491 579137
E-mail: global@clearone.com

Product registration

Please register your Wireless A/V system using the online registration form in the Product section at www.clearone.com. We are better able to provide technical assistance when your product is properly registered. Registration information is also used to notify you of upgrades and new product information.


Product returns

All product returns require a return authorization (RA) number. Please contact ClearOne Technical Support before attempting to return your product. Make sure you return all the items that shipped with your product and include a brief description of how the product was being used when the problem occurred.

Unpacking

Ensure the following items were received with your shipment.

- Transmitter
- Receiver
- 2 power supplies
- Y power cable
- S-Video to composite adapter

 ClearOne is not responsible for product damage incurred during shipment. You must make claims directly with the carrier. Inspect your shipment carefully for obvious signs of damage. If the shipment appears damaged, retain the original boxes and packing material for inspection by the carrier. Contact your carrier immediately.

Setup

Transmitter

The camera outputs are connected to the transmitter inputs.

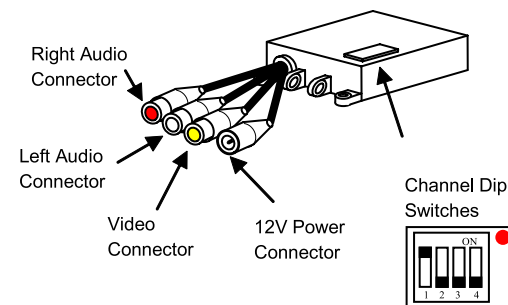


Figure 1. Transmitter connection diagram

To connect the transmitter

1. Connect the audio outputs of the camera to the left (white) and right (red) audio inputs of the transmitter. If there is only one audio output on the camera, connect it to either audio input.
2. Use the included pigtail adapter to connect the S-video output to the Video input of the transmitter. If your camera does not have an S-Video output, use the composite cable included with your camera, or call ClearOne customer service to buy a compact connection cable.
3. Lift the red plastic cover off the channel DIP switches. Move DIP switch 1 to the on (up) position and move 2, 3, and 4 to the off (down) position.
4. Replace the red plastic cover.
5. Plug the power supply into a wall outlet.
6. Plug the other end of the power supply into the Y power cable jack.
7. Connect one of the Y cable plugs to the 12V power connector on the transmitter and the other to the 12V power connector on the camera.

Receiver

The receiver outputs are connected to the monitor or A/V equipment inputs.

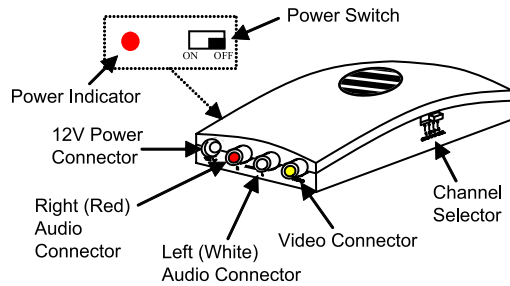


Figure 2. Receiver connection diagram

To connect the receiver

1. Connect the left and right audio outputs of the receiver to the left and right audio inputs of the monitor. If there is only one audio output on the camera, connect the same (left or right) output that was used in the transmitter setup.
2. Connect the video output of the receiver to the video input of the monitor.
3. Set the channel selector to 1.
4. Plug the power supply into a wall outlet.
5. Plug the other end of the power supply into the 12V power connector.
6. Switch the power to the ON position.

Usage notes

There are four possible channels for the wireless A/V system. Any of the four can be used, but the receiver must be on the same channel as the transmitter to receive the audio and video. The channel selector is on the side of the receiver. The channel selector for the transmitter is under the plastic cap. Only one of the switches should be in the ON position at a time, the rest should be OFF. The switch that is in the ON position is the selected channel.

The wireless transmission is omni directional, however best results may be obtained when the transmitter and receiver are facing each other. Obstructions such as walls and floors may decrease the maximum distance between the receiver and transmitter. Interference and noise may be noticed when other transmitters are in use, such as cordless phones, microwaves, aircraft radar, etc. If noise is present, try relocating the devices or changing the channel on the transmitter and receiver.

Care and Cleaning

- Do not attempt to take the units apart. There are no user serviceable components inside
- Keep the units away from food and liquid
- Do not operate or store units at temperatures above 104° F (40° C) or below 32° F (0° C)
- Do not operate or store units in high humidity, dusty environments, inclement weather, or under severe vibration
- Clean exterior of the units by wiping with a clean, damp cloth; do not use any abrasive chemicals

Appendix

Compliance

The ClearOne Wireless A/V 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.

This product transmits microwaves at a frequency of 2.4GHz. It is done in a fashion which meets FCC requirements and limits its ability to interfere with normal radio, television and communications frequencies. However, it has been designed in such a fashion that other frequencies may have a tendency to interfere with this product and may experience some distortion or noise from time to time as these signals may be received.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warranty

ClearOne Communications, Inc. (Manufacturer) warrants that this product is free of defects in both materials and workmanship. Should any part of this product be defective, the

Manufacturer agrees, at its option, to:

Repair or replace any defective part free of charge (except transportation charges) for a period of one year from the date the end user is invoiced for the product, provided the end user returns the product to ClearOne Communications or an authorized ClearOne dealer according to the Product Return and Repair Policy set forth below.

This warranty excludes assembled products not manufactured by the Manufacturer whether or not they are incorporated in a Manufacturer product or sold under a Manufacturer part or model number.

Product Return and Repair

Return to Manufacturer

- a. An RA (return authorization) number must be issued to the end user from ClearOne Technical Support.
- b. The end user must return the product to ClearOne with proof of purchase (showing purchase date) for a warranty claim, and display the RA number on the outside of the shipping package.

THIS WARRANTY IS VOID IF:

- A. The product has been damaged by negligence, accident, act of God, or mishandling, or has not been operated in accordance with the procedures described in the operating and technical instructions; or,
- B. The product has been altered or repaired by other than the Manufacturer or an authorized service representative of the Manufacturer; or,
- C. Adaptations or accessories other than those manufactured or provided by the Manufacturer have been made or attached to the product which, in the determination of the Manufacturer, shall have affected the performance, safety or reliability of the product; or,
- D. The product's original serial number has been modified or removed.

NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE, APPLIES TO THE PRODUCT. MANUFACTURER'S MAXIMUM LIABILITY HEREUNDER SHALL BE THE AMOUNT PAID BY THE END USER FOR THE PRODUCT. No person or entity authorized to assume any obligation or other liability in connection with the products. No action, regardless of form, arising out of or relating to the product or this warranty, may be brought by end user more than one (1) year after the cause of action has accrued.

Manufacturer shall not be liable for punitive, consequential, or incidental damages, expenses, or loss of revenue or property, inconvenience, or interruption in operation experienced by the end user due to a malfunction in the purchased product. No warranty service performed on any product shall extend the applicable warranty period.

In case of unsatisfactory operation, the end user shall promptly notify the Manufacturer at the address set forth below in writing, giving full particulars as to the defects or unsatisfactory operation. Upon receipt of such notice, the Manufacturer will give instructions respecting the shipment of the product, or such other matters as it elects to honor this warranty as above provided. This warranty does not cover damage to the product during shipping and the Manufacturer assumes no responsibility for such damage. All shipping costs shall be paid by the customer.

This warranty extends only to the original end user and is not assignable or transferable. This warranty is governed by the laws of the State of Utah, without regard to the conflicts of interests provisions thereof.

ClearOne Communications, Inc.

1825 Research Way

Salt Lake City, Utah 84119