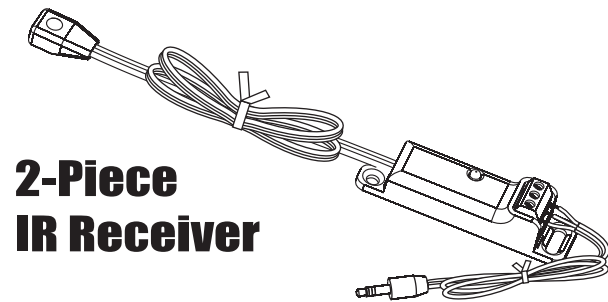


CHANNEL VISION™

# IR-2400 USERS GUIDE



**2-Piece  
IR Receiver**

## CHANNEL VISION™ 1 Year Limited Warranty

Channel Vision Technology will repair or replace any defect in material or workmanship which occurs during normal use of this product with new or rebuilt parts, free of charge in the USA, for one year from the date of original purchase. This is a no hassle warranty with no mail in warranty card needed. This warranty does not cover damages in shipment, failures caused by other products not supplied by Channel Vision Technology, or failures due to accident, misuse, abuse, or alteration of the equipment. This warranty is extended only to the original purchaser, and a purchase receipt, invoice, or other proof of original purchase date will be required before warranty repairs are provided.

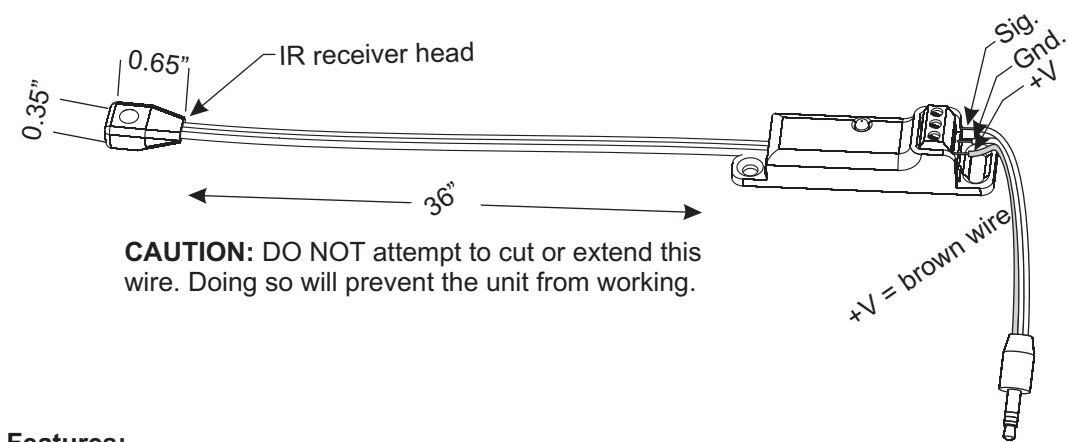
Mail in service can be obtained during the warranty period by calling (800) 840-0288 toll free. A Return Authorization number must be obtained in advance and can be marked on the outside of the shipping carton.

This warranty gives you specific legal rights and you may have other rights (which vary from state to state). If a problem with this product develops during or after the warranty period, please contact Channel Vision Technology, your dealer or any factory-authorized service center.

Channel Vision products are not intended for use in medical, lifesaving, life sustaining or critical environment applications. Channel Vision customers using or selling Channel Vision products for use in such applications do so at their own risk and agree to fully indemnify Channel Vision for any damages resulting from such improper use or sale.

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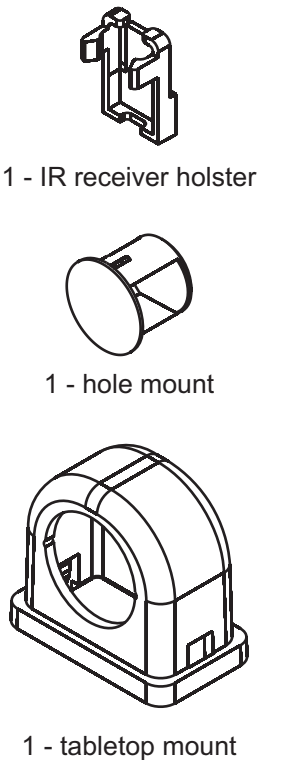
### The IR-2400 includes these items:



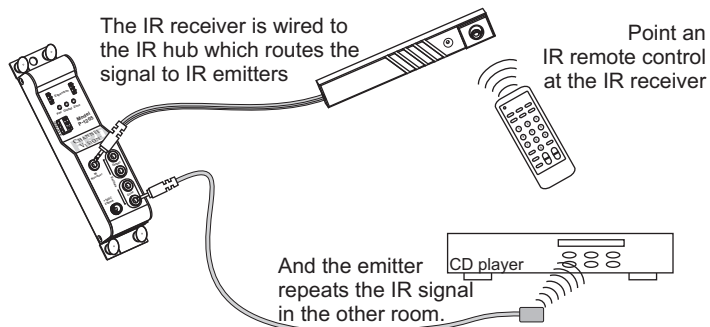
**CAUTION:** DO NOT attempt to cut or extend this wire. Doing so will prevent the unit from working.

#### Features:

- Plasma Proof IR receiver
- Status LEDs for IR signal indication
- Versatile mounting accessories: Install as
  - Very small receiver
  - In-cabinet tube type receiver
  - Unobtrusive desktop type receiver



### How IR repeating works



Be sure the emitter is attached directly over the component's IR receiver. To locate the IR receiver, shine a flashlight into the unit and look for the sensor.

#### Specifications: (typical)

**Voltage Requirements:** 8 - 12 VDC  
**IR Freq. range supported:** 30 kHz - 60 kHz  
**IR pickup range:** 40 ft. @ 38kHz, 25 ft. @ 56kHz  
**IR receiver head dimensions:** 0.65" x 0.35" x 0.25"  
**Color:** Black

Specifications subject to change without notice.

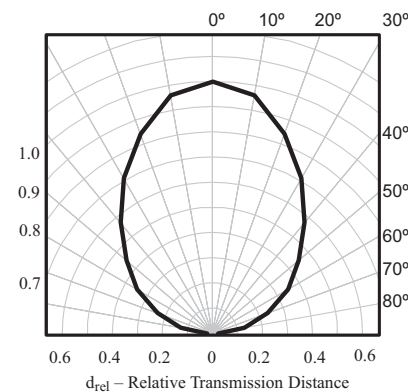
### Directivity of IR Sensor

The effective receive distance of all IR receivers changes when the IR remote control is not directly in front of the IR sensor.

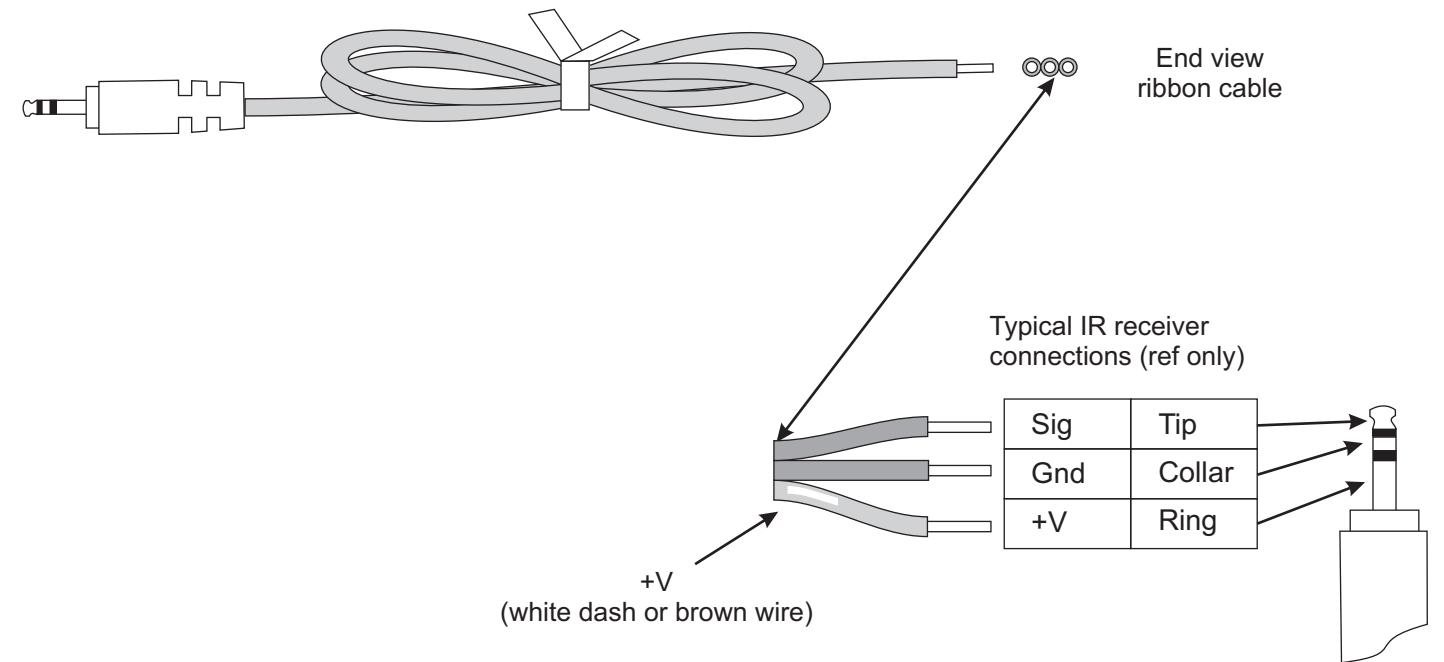
The graph below describes the performance of the IR sensor device used in this Channel Vision IR receiver. Please note that the graph below marks the distance as a percentage of the maximum distance. So at 0°, the distance is 1.0 (or 100%) and at 30°, the distance is 0.7 (or 70%) and so on.

Actual transmission distances are dependent upon frequency of remote control (40kHz has max range) and luminosity of remote control (i.e. Some remotes are brighter than others.)

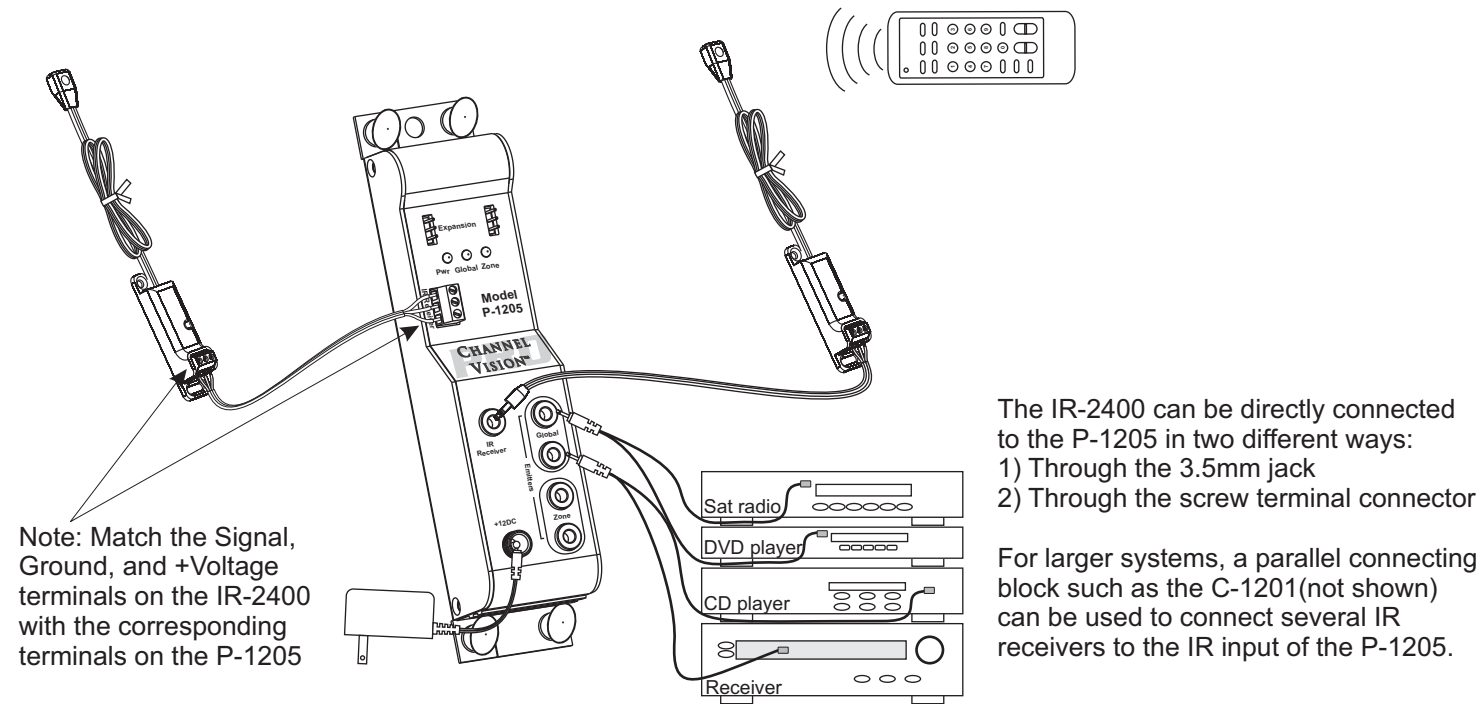
Under ideal conditions, ranges of >40 feet are possible.



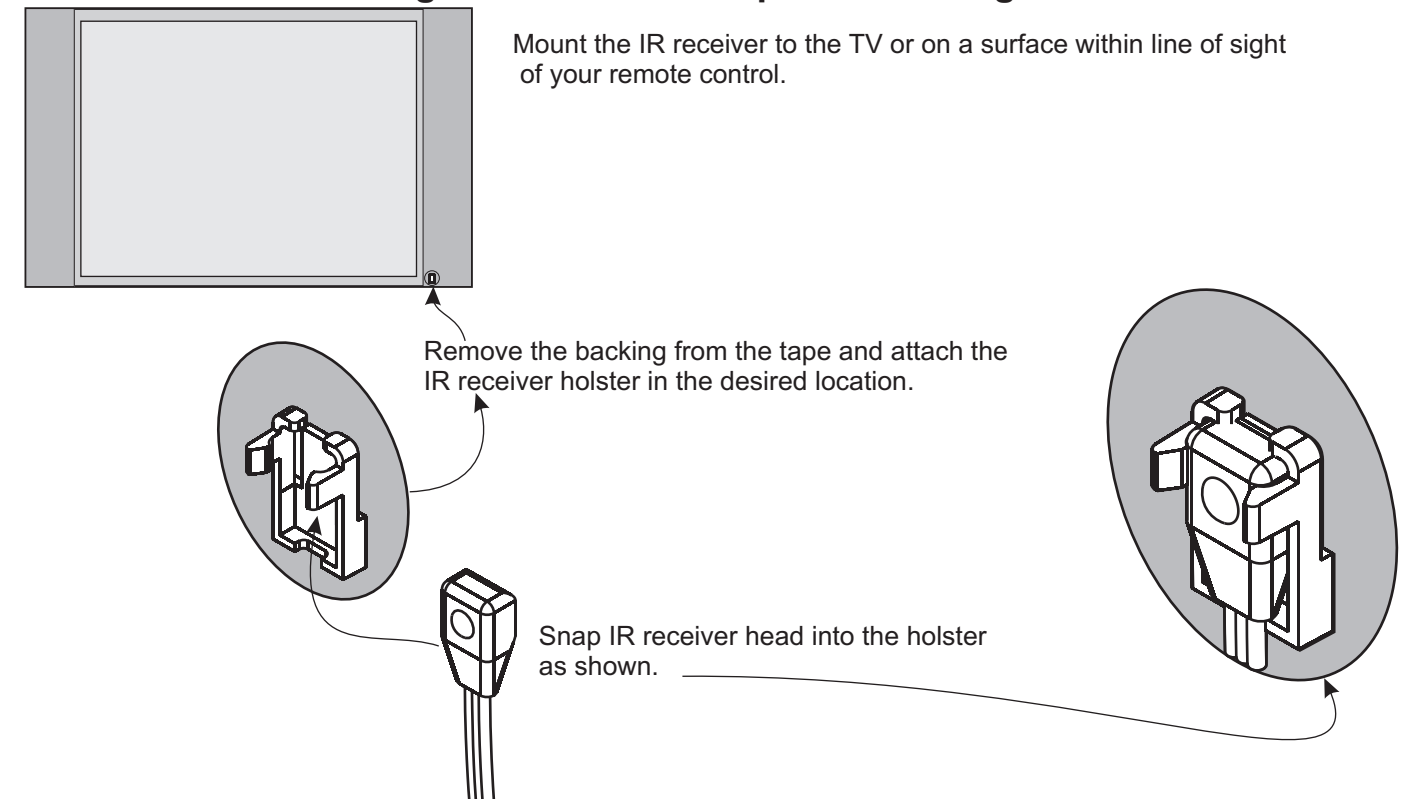
### IR receiver wire pinout



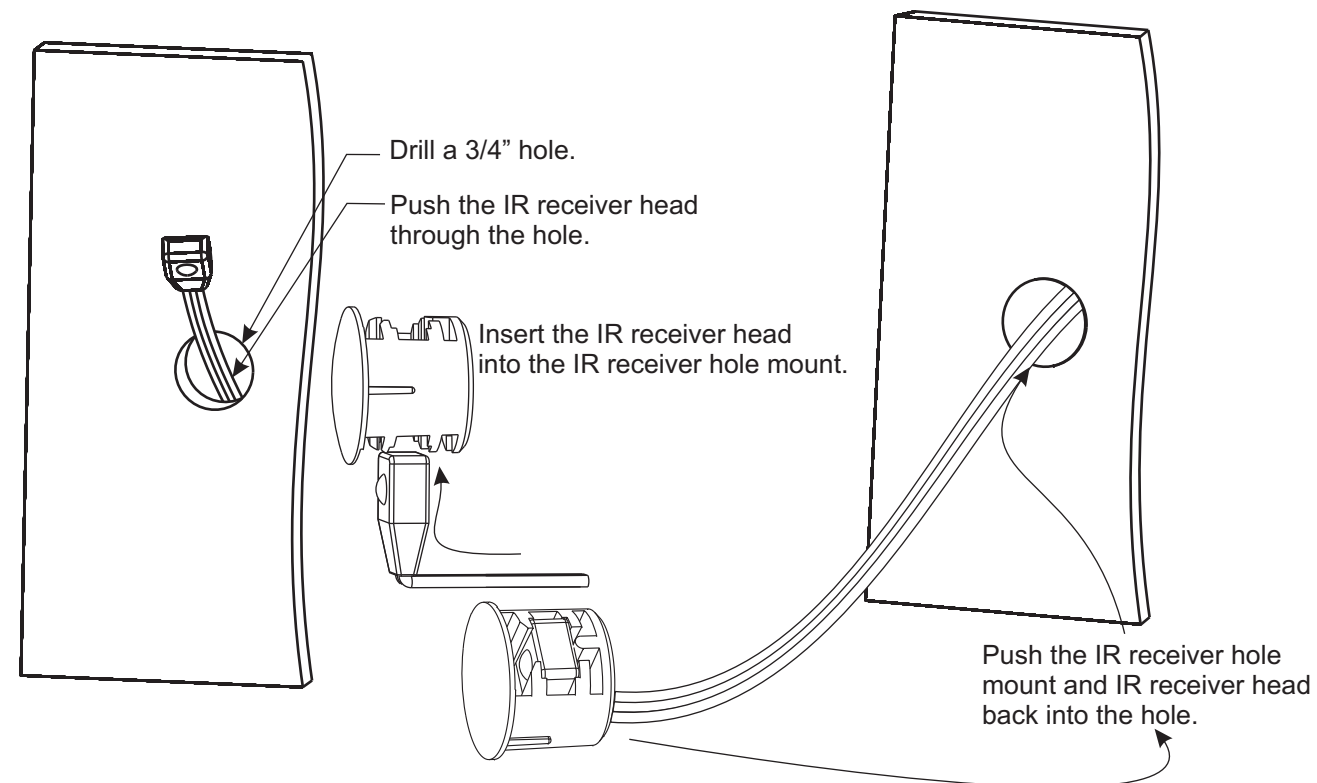
### Using the IR-2400 with the P-1205



### Mounting the IR receiver: Option 1 - Using the holster



### Mounting the IR receiver: Option 2 - Using the hole mount



### Mounting the IR receiver: Option 3 - Using the tabletop mount

