

# HDC-IR

IR CAT5 POINT TO POINT EXTENDER



## USER MANUAL



Designed and Manufactured in the USA

**Smart-AVI**

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[www.smartavi.com](http://www.smartavi.com)

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# TECHNICAL SPECIFICATIONS

IR EYE	
IR Frequency Range	30 KHz to 80 KHz
Capture Distance	Up to 25'
Cable Connector	3.5mm stereo jack
IR Signal Indicator	Green LED
IR EMITTER	
IR Frequency Range	30 KHz to 80 KHz
Capture Distance	Up to 10'
Cable Connector	3.5mm mono jack
IR Signal Indicator	Red LED
OTHER	
Power Adapter	12VDC 2A
Cable Link	CAT5 568A or 568B
Dimensions	2.5" W x 2.5" D x 1.0" H
Weight	.25 lb
Operating Temperature	32-131°F (0-55 °C)
Storage Temperature	-4-185 °F (-20-85 °C)
Humidity	Up to 95%

# WHAT'S IN THE BOX?

PART NO.	Q-TY	DESCRIPTION
HDC-IR	2	IR CAT5 Point to Point
SM-LED	1	IR Emitter
SM-EYE	1	IR Eye (Optional)
PS12VDC2A	2	Power supply 12VDC2A
	1	User Manual

# FRONT AND BACK



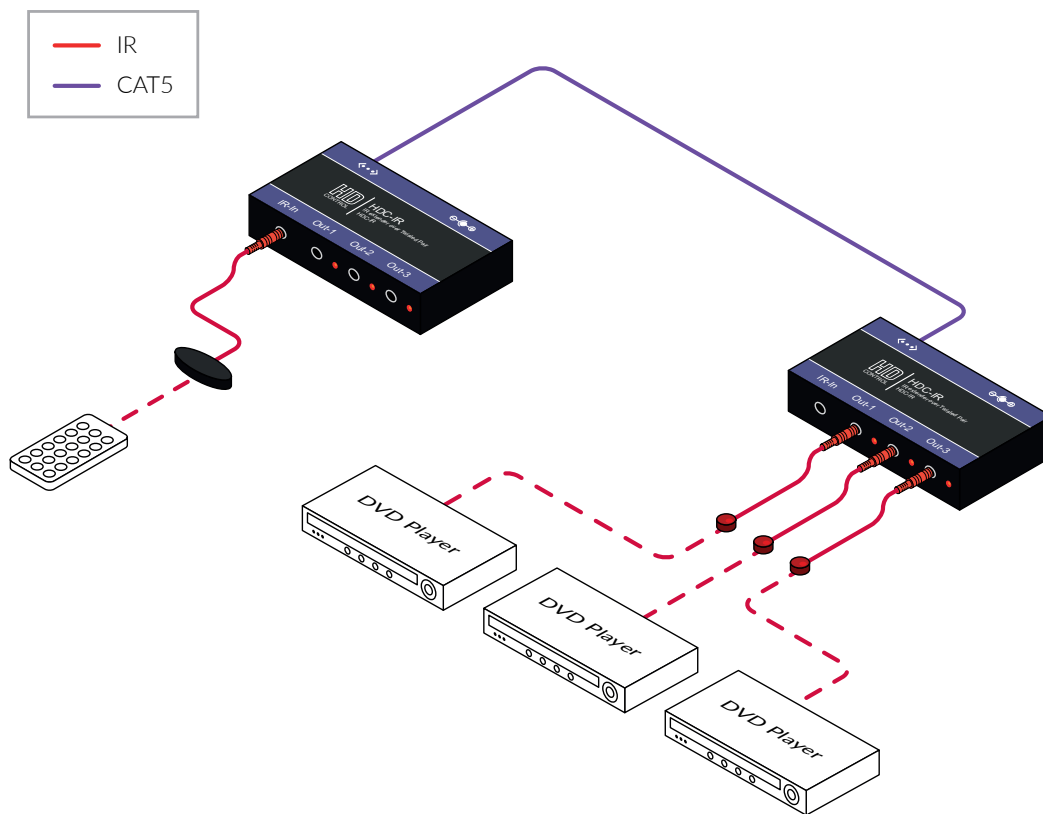
HDC-IR Front



HDC-IR Back

# INSTALLATION

1. Connect the IR LED to the IR window on the source device.
2. Connect power supply to the unit. Observe LED lighting up indicating power present.
3. Connect IR LED to the IR window on the source device.
4. Connect the IR Eye to the Receiver.
5. Observe LED lighting indicating power present. Connect the speakers to the Audio Out port.
6. Connect the transmitter to the receiver using Category 5 UTP cable (Purchased separately). The CAT 5 UTP cable, if purchased in bulk, will be wired using 568A or 568B wiring standard.
7. Once connected, check that the power LEDs on both the receiver and the transmitter are on, IR status LED is on and RX LED is flashing when Remote control is used indicating that communication is in progress.



## HDC-IR CAN BE USED 2 WAYS

1. Enabling the remote side to control the DVD, or any other source device. (the IR eye would be connected at the remote).
2. Enabling the source side to turn off or on the remote TV/Monitor (the IR eye would be connected at the source).

# INSTALLATION (CONTINUED)

## CONNECTING THE IR

Use the Diagram for the IR connection.



## OPERATING INSTRUCTIONS

Once installation is completed, verify that the power is present at all devices in the system. The peripheral devices should be ready for use.

PIN #	E IA/TIA 568A	E IA/TIA 568B
1	White with green stripe	White with orange stripe
2	Green with white stripe or solid green	Orange with white stripe or solid orange
3	White with orange stripe	White with green stripe
4	Blue with white stripe or solid blue	Blue with white stripe or solid blue
5	White with blue stripe	White with blue stripe
6	Orange with white stripe or solid orange	Green with white stripe or solid
7	White with brown stripe or solid brown	White with brown stripe or solid brown
8	Brown with white stripe or solid brown	Brown with white stripe or solid brown

Table 6-1. CAT 5 Wiring Standards

# TROUBLESHOOTING

## No Power

- Make sure that the power adapter is securely connected to the power connector of the unit.
- Check the output voltage of the power supply and make sure that the voltage value is around 12VDC.
- Replace the power supply.

## No Video

- Check if all the video cables are connected properly.
- Connect the computer directly to the monitor to verify that your monitor and computer are functioning properly.
- Restart the computers.

## Keyboard is not working

- Check if the keyboard is properly connected to the unit.
- Check if the USB cables connecting the unit and the computers are properly connected.
- Try connecting the USB on the computer to a different port.
- Make sure that the keyboard works when directly connected to the computer.
- Replace the keyboard.

## Mouse is not working

- Check if the mouse is properly connected to the unit.
- Try connecting the USB on the computer to a different port.
- Make sure that the mouse works when directly connected to the computer.
- Replace the mouse.

## No Audio

- Check if all the audio cables are connected properly.
- Connect the speakers directly to the computer to verify that the speakers and the computer audio are functioning properly.
- Check the audio settings of the computer and verify that the audio output is through the speakers.

# TECHNICAL SUPPORT

For product inquiries, warranty questions, or technical questions, please contact [info@smartavi.com](mailto:info@smartavi.com).

# LIMITED WARRANTY STATEMENT

## A. Extent of limited warranty

SmartAVI, Inc. warrants to the end-user customers that the SmartAVI product specified above will be free from defects in materials and workmanship for the duration of 1 year, which duration begins on the date of purchase by the customer. Customer is responsible for maintaining proof of date of purchase.

SmartAVI limited warranty covers only those defects which arise as a result of normal use of the product, and do not apply to any:

- a. Improper or inadequate maintenance or modifications
- b. Operations outside product specifications
- c. Mechanical abuse and exposure to severe conditions

If SmartAVI receives, during applicable warranty period, a notice of defect, SmartAVI will at its discretion replace or repair defective product. If SmartAVI is unable to replace or repair defective product covered by the SmartAVI warranty within reasonable period of time, SmartAVI shall refund the cost of the product.

SmartAVI shall have no obligation to repair, replace or refund unit until customer returns defective product to SmartAVI.

Any replacement product could be new or like new, provided that it has functionality at least equal to that of the product being replaced.

SmartAVI limited warranty is valid in any country where the covered product is distributed by SmartAVI.

## B. Limitations of warranty

To the extent allowed by local law, neither SmartAVI nor its third party suppliers make any other warranty or condition of any kind whether expressed or implied with respect to the SmartAVI product, and specifically disclaim implied warranties or conditions of merchantability, satisfactory quality, and fitness for a particular purpose.

## C. Limitations of liability

To the extent allowed by local law the remedies provided in this warranty statement are the customers sole and exclusive remedies.

To the extent allowed by local law, except for the obligations specifically set forth in this warranty statement, in no event will SmartAVI or its third party suppliers be liable for direct, indirect, special, incidental, or consequential damages whether based on contract, tort or any other legal theory and whether advised of the possibility of such damages.

## D. Local law

To the extent that this warranty statement is inconsistent with local law, this warranty statement shall be considered modified to be consistent with such law.



# Smart-AVI

SMART AUDIO VIDEO INNOVATION

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