

StarTech.com  
**IH2006-KVM-EXTENDER**  
HDMI KVM Extender  
Over IP Network



# StarTech IH2006-KVM-EXTENDER HDMI KVM Extender Over IP Network User Guide

[Home](#) » [StarTech](#) » StarTech IH2006-KVM-EXTENDER HDMI KVM Extender Over IP Network User Guide 

## Contents

- [1 StarTech IH2006-KVM-EXTENDER HDMI KVM Extender Over IP Network](#)
- [2 Specifications](#)
- [3 Product Usage Instructions](#)
- [4 LED Chart](#)
- [5 HDMI KVM Console Extender over IP – 4K 60Hz](#)
- [6 Transmitter](#)
- [7 Receiver](#)
- [8 Product Information](#)
- [9 Package Contents](#)
- [10 Installation](#)
- [11 Regulatory Compliance](#)
- [12 LED Chart](#)
- [13 Warranty Information](#)
- [14 FAQs](#)
- [15 Documents / Resources](#)
  - [15.1 References](#)

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StarTech IH2006-KVM-EXTENDER HDMI KVM Extender Over IP Network



## Specifications

- Product: HDMI KVM Console Extender over IP – 4K 60Hz
- Model: IH2006-KVM-EXTENDER
- Resolution: 4K at 60Hz
- Audio Support: 3.5mm input/output
- Ports: HDMI Input/Output, USB-C Host, Network, DC Input, USB HID, Service Port

## Product Usage Instructions

### Installation

#### (Optional) Install the Mounting Bracket

1. Determine the Mounting Surfaces for the KVM Extender Transmitter and Receiver.
2. Place the Mounting Brackets on each side of the KVM Extender Transmitter. Align the Holes in the Mounting Brackets with the Holes on the sides of the KVM Extender Transmitter.
3. Insert two of the included Screws through each Mounting Bracket and into the KVM Extender Transmitter.
4. Tighten each Screw using a Phillips Head Screwdriver.
5. Mount the KVM Extender to the desired Mounting Surface using the appropriate Mounting Hardware (e.g. Wood Screws).
6. Repeat Steps 2 to 5 for the KVM Extender Receiver.

#### Installing the Transmitter and Receiver

1. Position the Transmitter near the Host Computer.
2. Connect an HDMI Cable from the Host Computer to the HDMI Input Port on the Transmitter.
3. Connect a USB Type-C Cable from the Host Computer to the USB-C Host Port on the Transmitter.
4. (Optional) Connect an HDMI Cable from the HDMI Output Port on the Transmitter to a Local HDMI Display.
5. (Optional) Connect a 3.5mm Audio Cable from an Audio Source to the Audio Input Port on the Transmitter.
6. Position the Receiver near the HDMI Display Device.
7. Connect an Ethernet Cable from the Network Port on the Transmitter to a Network Hub, Switch, or Router.

#### Regulatory Compliance

1. Connect an HDMI Cable from the HDMI Output Port on the Receiver to the HDMI Display Device.
2. Connect a USB Mouse and Keyboard to the USB HID Ports on the Receiver.
3. (Optional) Connect a 3.5mm Audio Cable from the Audio Output

- Port on the Receiver to an Audio Device (e.g., Speakers).
4. Connect an Ethernet Cable from the Network Port on the Receiver to a Network Hub, Switch, or Router.
5. Connect the included Universal Power Adapters to the DC Input
- Port on the Transmitter and Receiver and to an Electrical Outlet.

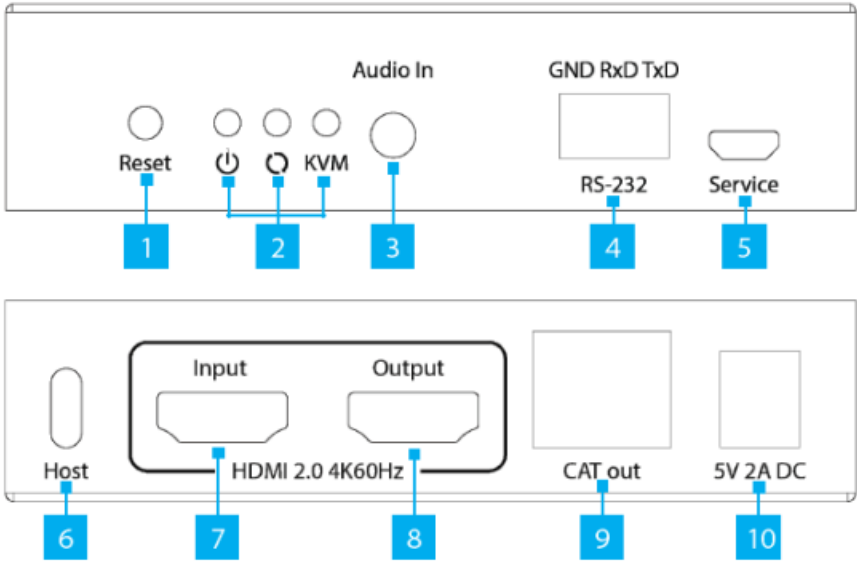
LED Chart

LED	Status
Sync Indicator	
KVM Indicator	

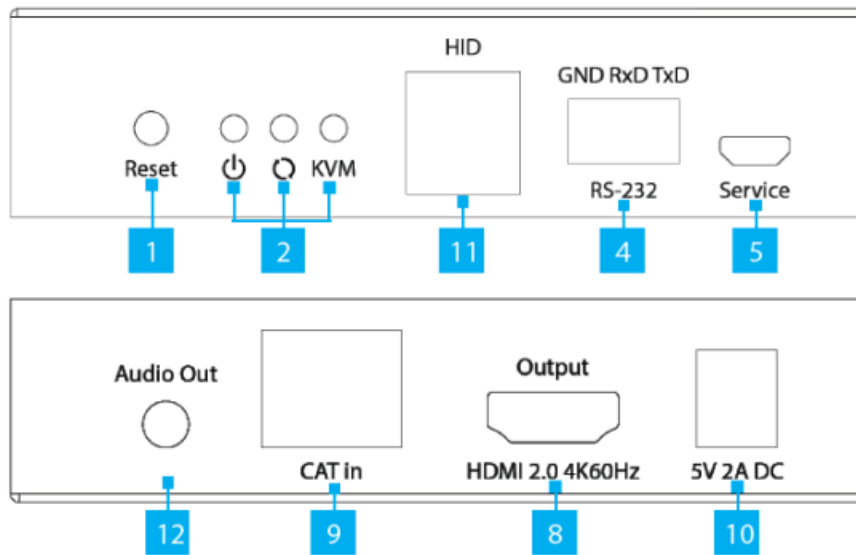
HDMI KVM Console Extender over IP – 4K 60Hz

Product ID  
IH2006-KVM-EXTENDER

Transmitter



Receiver



Component		Function
1	Reset Button	<ul style="list-style-type: none"> <li>Press to restart the <b>Transmitter</b> or <b>Receiver</b></li> </ul>
2	Power / Sync / KVM LED	<ul style="list-style-type: none"> <li>Refer to <b>LED Chart</b></li> </ul>
3	3.5mm Audio Input	<ul style="list-style-type: none"> <li>Connect to a <b>3.5mm Stereo Audio Device</b></li> </ul>
4	Terminal Block Serial Connection ( GND/RxD/TxD)	<ul style="list-style-type: none"> <li><b>Transmitter</b> and <b>Receiver:</b> Connect an <b>RS232 Serial Device</b> to the <b>Terminal Block</b> for bidirectional communication</li> <li>Supports Baud Rates of 2400, 4800, 9600, 19200, 38400, 57600, and 115200</li> </ul>
5	Service Port	<ul style="list-style-type: none"> <li>For <b>Manufacturer</b> use only</li> </ul>
6	USB-C Host Port	<ul style="list-style-type: none"> <li>Connect to a <b>USB-C Port</b> on the <b>Host Computer</b></li> </ul>
7	HDMI Input Port	<ul style="list-style-type: none"> <li>Connect to an <b>HDMI Port</b> on the <b>Host Computer</b></li> </ul>
8	HDMI Output Port	<ul style="list-style-type: none"> <li>Connect to an <b>HDMI Display</b></li> </ul>
9	Network Port	<ul style="list-style-type: none"> <li>Connect the <b>Transmitter</b> or <b>Receiver</b> to a <b>Network Router, Switch, or Hub</b></li> </ul>
10	DC Input Port	<ul style="list-style-type: none"> <li>Connect the included <b>Universal Power Adapter</b></li> </ul>
11	USB HID Ports	<ul style="list-style-type: none"> <li>Connect a <b>USB Mouse</b> and/or <b>Keyboard</b></li> <li>Supports <b>USB 480Mbps</b></li> </ul>
12	3.5mm Audio Output	<ul style="list-style-type: none"> <li>Connect to a <b>3.5mm Stereo Audio Device</b> (e.g., Speakers)</li> </ul>

## Product Information

For the latest product information, technical specifications, and declarations of conformance, please visit:  
[www.StarTech.com/IH2006-KVM-EXTENDER](http://www.StarTech.com/IH2006-KVM-EXTENDER)

## Package Contents

- KVM Extender Transmitter x 1
- KVM Extender Receiver x 1
- RS-232 Terminal Headers x 2
- Mounting Kit x 2
- Set of Rubber Feet x 2
- Universal Power Adapter (NA/EU/UK) x 2
- Quick-Start Guide x 1

## **Installation**

### **(Optional) Install the Mounting Bracket**

1. Determine the Mounting Surfaces for the KVM Extender Transmitter and Receiver.
2. Place the Mounting Brackets on each side of the KVM Extender Transmitter. Align the Holes in the Mounting Brackets with the Holes on the sides of the KVM Extender Transmitter.
3. Insert two of the included Screws through each Mounting Bracket and into the KVM Extender Transmitter.
4. Tighten each Screw using a Phillips Head Screwdriver.
5. Mount the KVM Extender to the desired Mounting Surface using the appropriate Mounting Hardware (e.g. Wood Screws).
6. Repeat Steps 2 to 5 for the KVM Extender Receiver.

### **Installing the Transmitter and Receiver**

1. Position the Transmitter near the Host Computer.
2. Connect an HDMI Cable (sold separately) from the Host Computer to the HDMI Input Port on the Transmitter.
3. Connect a USB Type-C Cable (sold separately) from the Host Computer to the USB-C Host Port on the Transmitter.
4. (Optional) Connect an HDMI Cable (sold separately) from the HDMI Output Port on the Transmitter to a Local HDMI Display.
5. (Optional) Connect a 3.5mm Audio Cable (not included) from an Audio Source to the Audio Input Port on the Transmitter.
6. Position the Receiver near the HDMI Display Device.
7. Connect an Ethernet Cable (sold separately) from the Network Port on the Transmitter to a Network Hub, Switch, or Router.
8. Connect an HDMI Cable (sold separately) from the HDMI Output Port on the Receiver to the HDMI Display Device.
9. Connect a USB Mouse and Keyboard to the USB HID Ports on the Receiver.
10. (Optional) Connect a 3.5mm Audio Cable (sold separately) from the Audio Output Port on the Receiver to an Audio Device (e.g. Speakers).
11. Connect an Ethernet Cable (sold separately) from the Network Port on the Receiver to a Network Hub, Switch, or Router.
12. Connect the included Universal Power Adapters to the DC Input Port on the Transmitter and Receiver and to an Electrical Outlet.

**Note:** For optimal performance, it is recommended to use gigabit networking equipment and CAT6 cabling between the transmitter and receiver.

## **Regulatory Compliance**

### **FCC Compliance Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device under 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 according to 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 to an outlet on a different circuit than the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device. If shielded interface cables are included with the product or if additional components or accessories are designated for use with the installation, they must be used to ensure compliance with FCC regulations.

### **ISED Statement**

CAN ICES-003(B) / NMB-003(B)

This Class B digital apparatus complies with Canadian ICES-003.

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

## **LED Chart**

LED	Status
Power Indicator	<ul style="list-style-type: none"> <li>• <b>Solid Blue:</b> Indicates the unit is receiving Power</li> </ul>
Sync Indicator	<ul style="list-style-type: none"> <li>• <b>Off:</b> Transmitter and Receiver have not established a connection</li> <li>• <b>Slow Orange Flash:</b> Transmitter and Receiver are connected via Gigabit Ethernet, but no Video is transmitting</li> <li>• <b>Quick Orange Flash:</b> Transmitter and Receiver are connected via 100Mbps Ethernet, but no Video is transmitting</li> <li>• <b>Solid Orange:</b> Video is transmitting</li> </ul>
KVM Indicator	<ul style="list-style-type: none"> <li>• <b>Flashing:</b> KVM data is transmitting</li> <li>• <b>Solid:</b> Computer and USB Port are connected</li> </ul>

### EU REACH Declaration

This product complies with the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC)

of the European Parliament and the Council. The product does not contain any of the Substances of Very High Concern (SVHC) or Restricted Substances above the threshold values declared by the European Agency for Chemicals (ECHA) on their website's documented/maintained lists.

### Use of Trademarks, Registered Trademarks, and Other Protected Names and Symbols

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### Warranty Information

This product is backed by a two-year warranty.

For further information on product warranty terms and conditions, please refer to [www.startech.com/warranty](http://www.startech.com/warranty).

### Limitation of Liability

In no event shall the liability of [StarTech.com](http://StarTech.com) Ltd. and [StarTech.com](http://StarTech.com) USA LLP (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product. Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

### [StarTech.com](http://StarTech.com)LLP

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- Groveport, Ohio
- 43125
- U.S.A.

## FAQS

### Q: Where can I find the latest product information and technical specifications?

A: For the latest product information, technical specifications, and declarations of conformance, please visit: [www.StarTech.com/IH2006-KVM-EXTENDER](http://www.StarTech.com/IH2006-KVM-EXTENDER)

### Q: What should I do for additional support options?

A: For additional self-service support options and community forums, please visit [www.StarTech.com/support](http://www.StarTech.com/support)

### Q: What is included in the package contents?

A: The package includes:

- KVM Extender Transmitter
- KVM Extender Receiver
- Universal Power Adapters

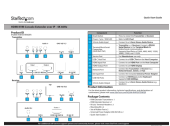
What is the recommended networking equipment for optimal performance?

: It is recommended to use gigabit networking equipment and CAT6 cabling between the transmitter and receiver for optimal performance.

Does this product comply with regulatory standards?

Yes, this product complies with the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation of the European Parliament and Council.

## Documents / Resources



[StarTech IH2006-KVM-EXTENDER HDMI KVM Extender Over IP Network](#) [pdf] User Guide  
IH2006-KVM-EXTENDER, IH2006-KVM-EXTENDER HDMI KVM Extender Over IP Network, IH  
2006-KVM-EXTENDER, HDMI KVM Extender Over IP Network, KVM Extender Over IP Network  
, Extender Over IP Network, Over IP Network, IP Network

## References

- [User Manual](#)

### [Manuals+](#), [Privacy Policy](#)

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