

HDMI KVM & USB, RS232 , IR ,Analog Audio CAT5 Extender over IP

ITEM NO: HKM01BT, HKM01BR HDMI KVM over IP with USB, RS232, IR, Analog Audio



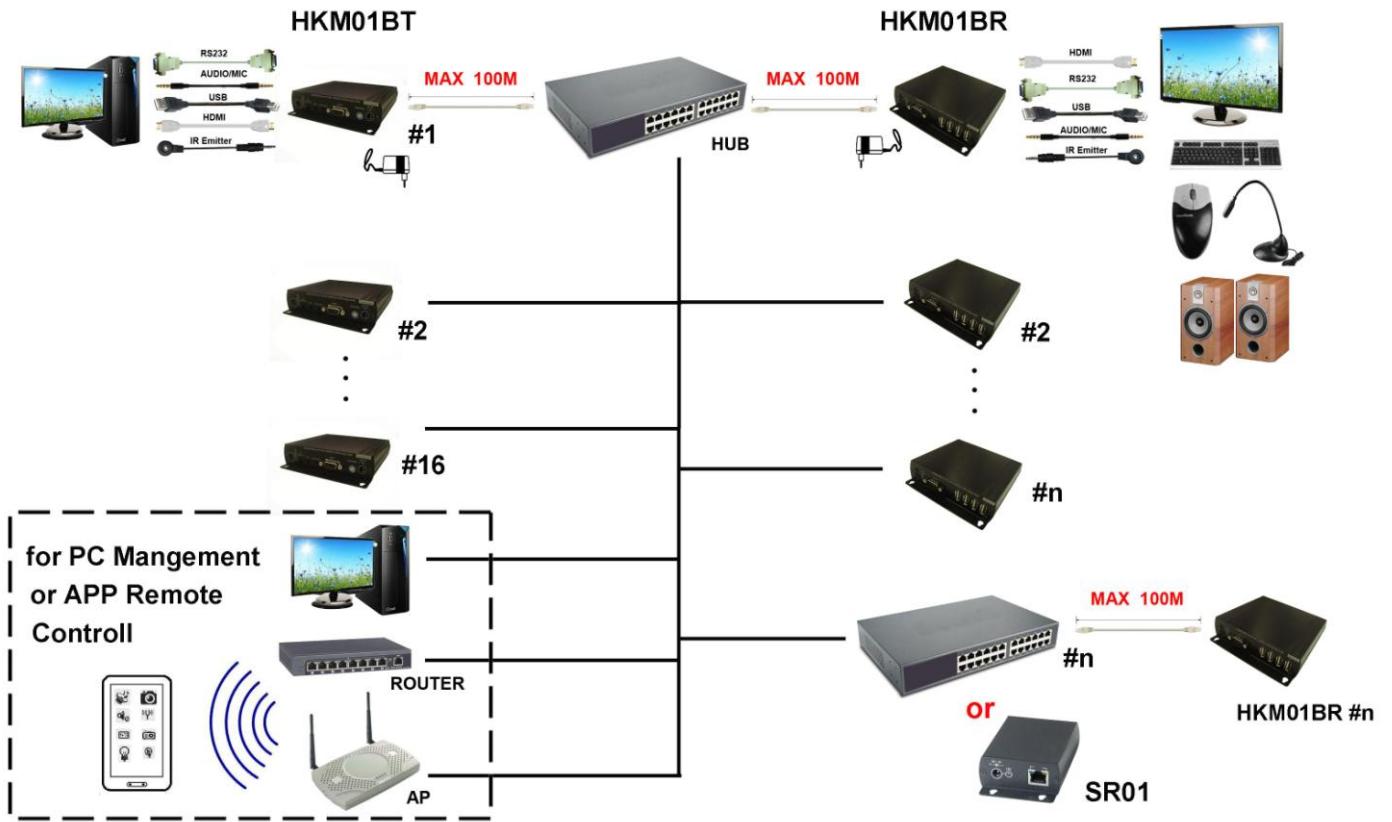
The HKM01B HDMI KVM, USB with Analog audio, RS232, and IR CAT5 extender design for extends and distribute all signals over one CAT5 up to 150 meters, with local HDMI monitor output. It provides superior video quality up to 1920 x 1200 resolutions, and using cost effective Cat5e cable, instead of HDMI, RS232 cables, for an easy, neater and reliable installation. The local and remote units can be connected together for a Point-to-Point connection via CAT5e/6 cable or a Point-to-Many connection via a managed network switch. It is optimized for applications at broadcasting system, multimedia display and multi-data sharing, digital signage, home network integration, and industrial control, hospital, education, security, Matrix network system and system control over RS232 and equipment control over IR.

Features:

- Extend HDMI, RS232, IR and USB, analog audio signals over one CAT5E/CAT6 cable.
- **Supports resolutions up to 1080p Full HD and 1920 x 1200 (WUXGA) 32bpp@ 60 Hz**
- **Transmission range up to 150M over CAT5e, 180M over CAT6.**
- Supports 2-way RS232 commands at baud rate 115200 (control software on a PC, or other automated control system hardware) to control devices attached to the matrix using RS232. Full Duplex data communication.
- HDMI 1.3b and HDCP compliant.
- HDMI audio support up to LPCM 7.1@192Khz
- Built in Bi-Directional analog audio.
- Built in Bi-Directional IR.
- Use IGMP and Jumbo frame protocol Gigabit Switch Hub to do HD signal distribution and transmission.
- **Support PC software and Android/iOS APP control.**
- **HKM01BR receiver input source select could be from IR remote control or front panel button.**
- **HKM01BT transmitter unit built in HDMI loop output.**
- **HKM01BR receiver built in IR programmable module, allow using IR remote control to do IR/RS232 command.**
- Receiver unit with 4 ports USB devices (1 port USB 1.1 & 3 Port USB 2.0), to extend USB peripheral devices, such as flash disk, hard disk, keyboard, mouse, etc.
- **Support point to point and multiple source devices to multi-display connections via Gigabit network switch.**
- **Work with HKM01B (HDMI), DKM01B (DVI), VKM03B (VGA) serials products.**
- Perfect for control remote machines and security monitoring systems, digital signage application.
- Optional model: SR01 signal repeater for longer distance application.

Installation View:

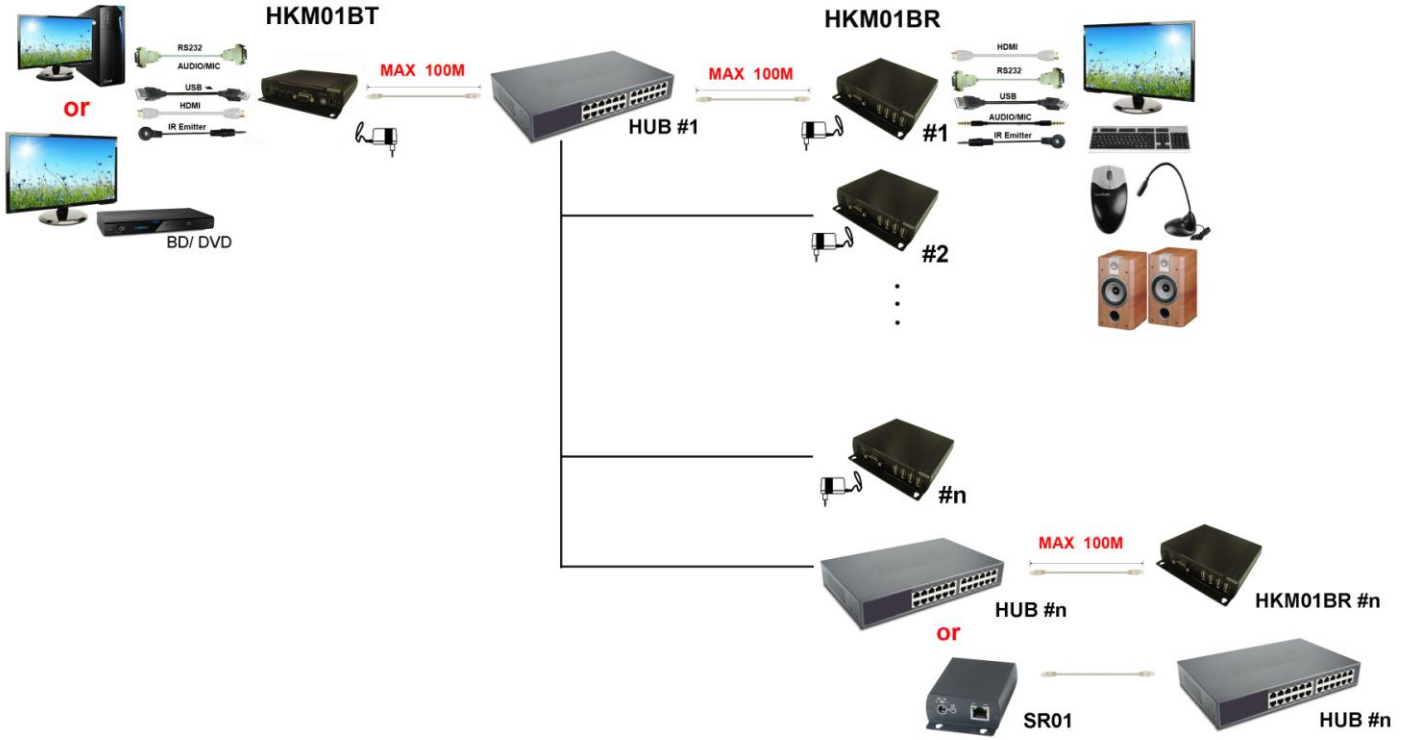
Multiple Transmitters to Multiple Receivers Connection: (Matrix Switcher)



Point to Point Direct Connection: (Extender)



One Transmitter to Multiple Receivers Connection: (Splitter)



Multiple Transmitters to One Receiver Connection: (Switcher)

