KVM-C5 Series

User's Guide

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Table of Contents

Getting Started 3
Key Features 3
Panel Description 4
Transmitter KVM-C5-S and Receiver KVM-C5-R 4
Installation and Operation 5
VGA-C5-S Transmitter Installation 5
KVM-C5-R Receiver Installation 6
Specifications 9

Getting Started

The Smart KVM Extender can extend the KVM control (Keyboard / Video / Mouse) up to 300m (1000 ft) over a single Cat5e cable. Built-in matured KVM technology and video signal processing can extend KVM signal correctly and provide a premium video resolution of up to 2048x1536@300m (1000 ft).

KVM-C5 is perfect for centralized computer management. By adapting KVM switch or KVM Drawer, you can control multiple computers on a rack locally or in a remote location. This unit is also suitable for office to secure all PCs in a computer room and extend KVM console to every desktop to ease the maintenance, save desktop space and prevent PC to be accessed through USB or other network.

Built-in smart keyboard and mouse simulation, it can support advanced function of Logitech or Microsoft mouse and work on any PS/2 PC or by using a USB to PS/2 converter to extend a USB interface computer (Ex: SUN / Mac).

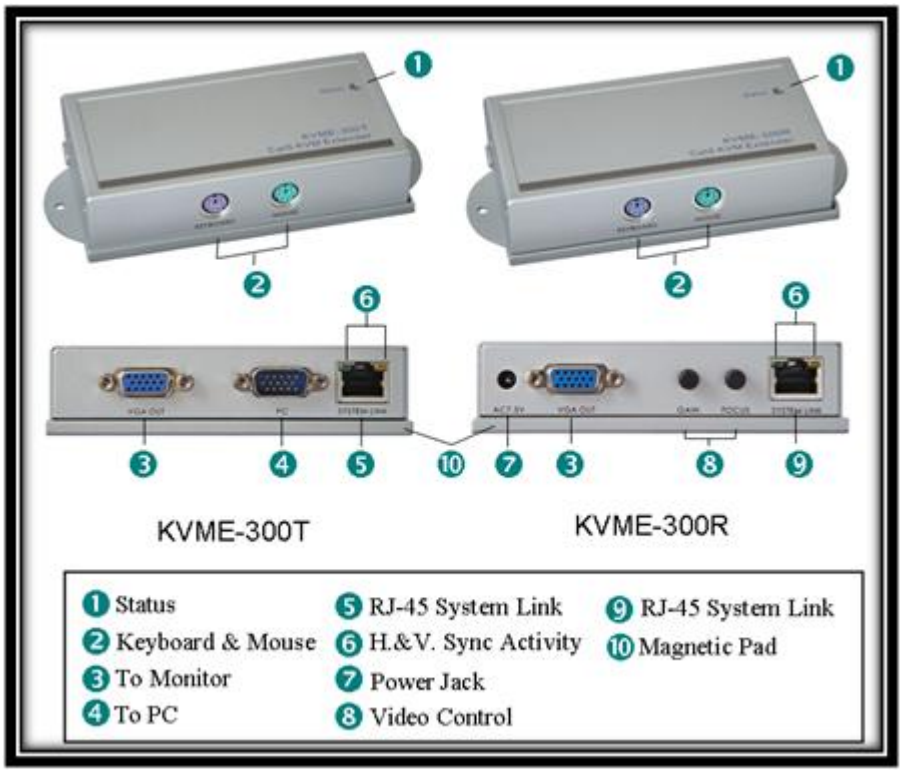
The KVM Extender is designed not only to provide accurate KVM signal, but also easy to install. It provides a magnetic pad and a attachable metal plate, so you can place the KVM Extender very easily on the surface of PC or any preferred place like wood or concrete.

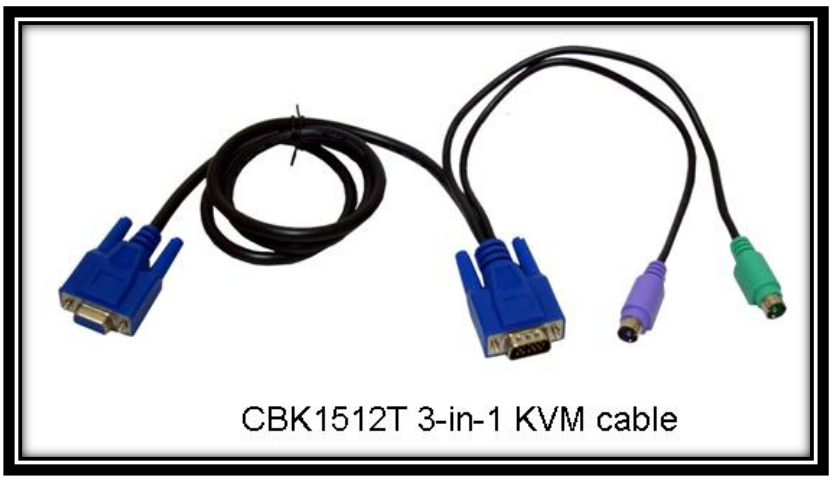
Key Features

- Extend the Keyboard / Video / Mouse of PC or KVM Switch by Cat 5 / 5e / 6 cable
- Supported VGA Resolution and Distance: up to 2048x1536 @ 300m (1000 ft
- Supports VGA, SVGA, XGA, TFT-LCD with DDC2B
- Supports PS/2 type PC or KVM Switch application
- Plug & Play
- Supports MS-DOS, Windows, FreeBSD, Linux, Unix, Novell
- Auto KVM model detection for optimum setup
- Supports advanced function of Logitech and Microsoft Mice
- Manual signal control (Gain & Focus) for different extended distance and achieving the best quality
- Integrated 3-in-1 KVM cable for PC or KVM Switch connection
- Transmitter and Receiver build with FOUR color LEDs to indicate system status
- Equipped with magnetic pad and metal plate for easy installation

Panel Description

Transmitter KVM-C5-S and Receiver KVM-C5-R





Installation and Operation

VGA-C5-S Transmitter Installation

a. **Site Selection:** In your first time installation, place Transmitter (VGA-C5-S) near the PC or KVM Switch console you want to extend.

> *You can use magnetic pad to attach the unit on a metal plane or use attachable Rack Mounting Kit to fix the unit on selected area by screw.*

Unit attached with Rack Mounting Kit

b. **Device Connection:** Connect Keyboard / Video / Mouse to Transmitter. Use 15 Pin Integrated 3-in-1 KVM Cable, and connect the 15 Pin end to the Transmitter and other end of the cable to corresponding Keyboard / Video / Mouse port of PC or KVM Switch.

Installation Diagram of KVM-C5-S Transmitter

c. **Function Test:** Power ON your PC, the Transmitter will take the power from the PC's PS/2 connection. The front "PC ON" LED of the Transmitter will keep blinking *Green* to indicate the unconnected status of System Link. The LEDs above RJ45 will turn ON to indicate the activation of Video Signal.

> *Test the functionality of the monitor and ensure that Keyboard and Mouse are working properly to finish the installation of the Transmitter.*

KVM-C5-R Receiver Installation

a. **Site Selection:** Place KVM-C5-R Receiver in an appropriate place.

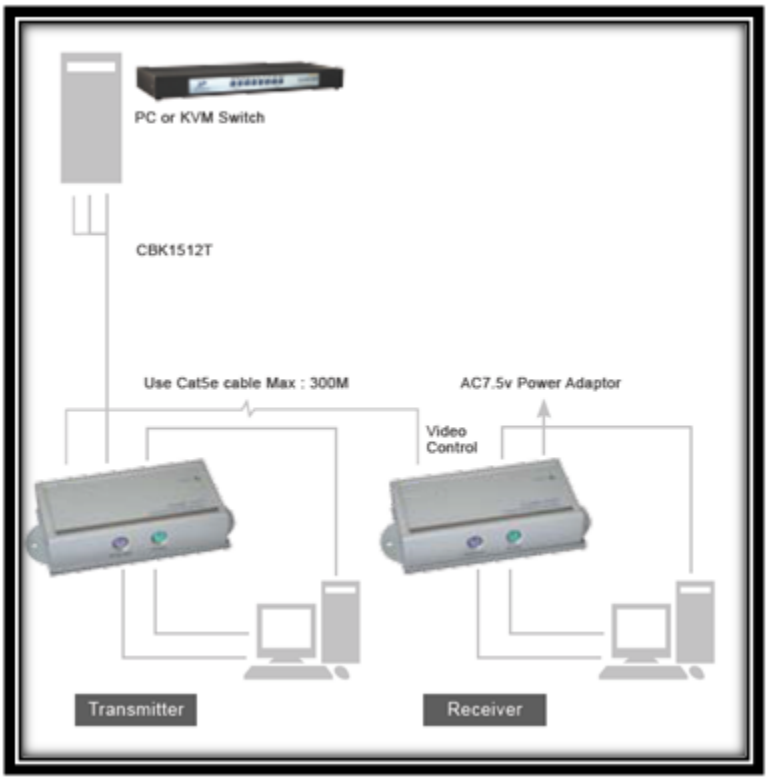
> *You can use magnetic pad to attach the unit on a metal plane or use attachable Rack Mounting Kit to fix the unit on selected area by screw.*

Cable Selection: For best VGA signal, use Cat 5e or Cat 6 cable.

b. **Power ON:** Plug power adapter to the Receiver and connect Keyboard / Video / Mouse to Receiver. The LEDs of unit should keep blinking to indicate the unconnected status of the cable.

Installation Diagram of KVM-C5-R Receiver

c. **Connect Cable:** Plug two ends of Cat 5 / 5e / 6 cable to Transmitter and Receiver's RJ45 "SYSTEM LINK" ports. Now the LEDs above RJ45 should turn on to indicate the activation of Video Signal and correct connection of the cable.



Connection Diagram of KVM Extender

d. **Function Test:** After installation, you will be able to control Keyboard / Video / Mouse from the Receiver. During the operation of Receiver, the STATUS LED of the Transmitter will turn on *Red* to indicate the operation of the Receiver.

e. **Manual VGA Adjustment:** The video quality can be manually adjusted by the Control of GAIN and FOCUS at the back of the Receiver unit.

General Troubleshooting	
Problem	**Possible Solution**
Screen Defects Appear	• Check that VGA resolution and frequency is not over the limit of monitor display. • Check your current resolution, refresh rate and color depth settings in the **Settings** and Monitor tabs in your **Display** Properties dialog.
Off-Center Screen Image, Odd Colors or No Picture	• Try adjusting the brightness, sharpness, contrast, and color balance controls of your monitor. • Try adjusting the centering and positioning controls of your monitor to position the picture on the screen.
No Image	• Ensure that the monitor cable is securely fastened to the VGA and Monitor port. • Try to connect monitor directly to a PC to ensure basic functionality of these devices. • Check if the Receiver's power adapter is AC 7.5V with a capacity of over 1Amp.
Keyboard or Mouse Problem	• Ensure that Keyboard and Mouse cables are connected at appropriate ports. • Restart the PC to ensure it is properly detected. • Connected Keyboard / Video / Mouse directly from Transmitter to your PC or KVM Switch to verify basic function.

Specifications

Model	KVM-C5-S	KVM-C5-R
Description	Transmitter	Receiver
Keyboard	PS/2 Female	
Mouse	PS/2 Female	
Video	D-Sub 15 Female	
To PC / KVM Switch	Integrated D-Sub 15 pin KVM Cable	
System Link	RJ45	
LED Display	Status, H. Sync, V. Sync	
Max Resolution & Distance	2048x1536@300m (1000 ft)	
Power Consumption	PS/2 AC 7.5V, 250mA	AC 7.5V, 250mA
Dimension (LxWxH)	62 x 113 x 29 mm	
Operating Temperature	0 - 50°C	
Storage Temperature	-20 ~ 60°C	
Humidity	10 ~ 90%	

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