Package Contents
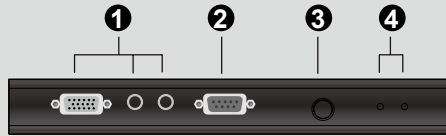
1 KE0270L USB KVM Extender (Local Unit)
1 KE0270R USB KVM Extender (Remote Unit)
1 USB KVM Cable (1.8 m)
2 Power Adapters
1 Mounting Kit
2 Grounding Wires
1 User Instructions

ALTUSCN™
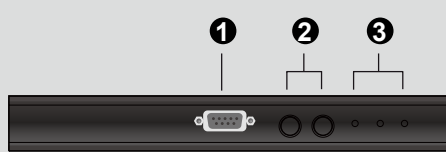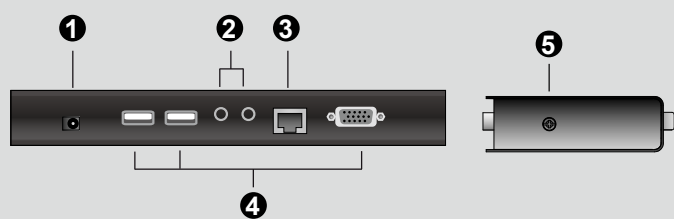## Enterprise Solutions by ATEN

KE0270
USB KVM Extender
Quick Start Guide

ATEN®
Simply Better Connections™

A Hardware Review
KE0270 (Local Unit) Front View

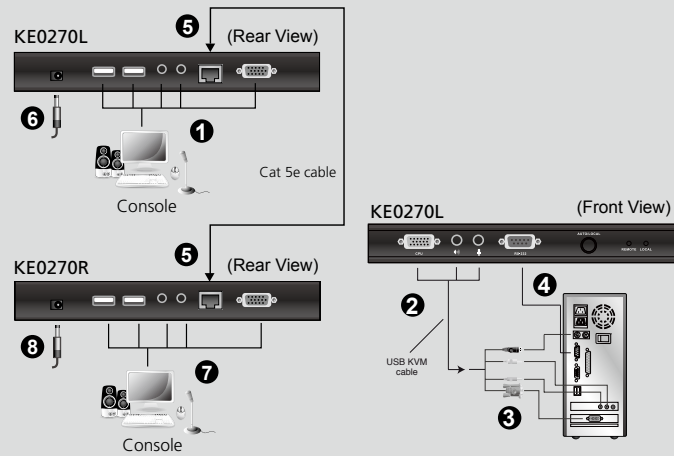**KE0270R (Remote Unit) Front View**

KE0270L / KE0270R Rear View/ Side View

B Hardware Installation
Rack Mounting

Phillips hex head M3 x 8
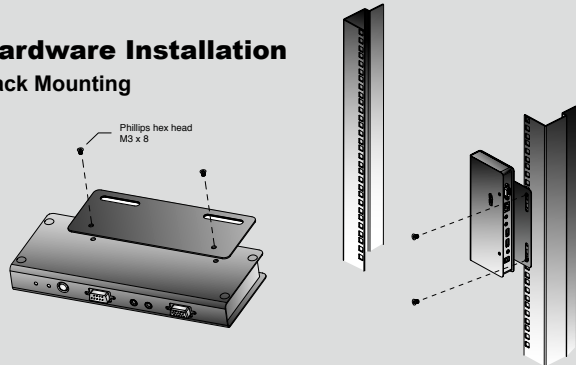
C Hardware Installation
Setting Up

KE0270L (Rear View)

Cat 5e cable

Console

KE0270R (Rear View)

Console

KE0270L (Front View)

USB KVM cable

The following contains information that relates to China:

部件名称	有毒有害物质或元素					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
电器部件	●	○	○	○	○	○
机构部件	○	○	○	○	○	○

○: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006规定的限量要求之下。
●: 表示符合欧盟的豁免条款，但该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006的限量要求。
×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006的限量要求。

Requirements
Consoles
• A VGA, SVGA, SXGA, UXGA, WUXGA, or multisync monitor capable of the highest resolution that you will be using on any computer in the installation
  Note: If you connect a DDC type monitor to the Local Unit, the monitor that connects to the Remote Unit must be able to support the highest video resolution that the DDC monitor can provide.
• A USB keyboard
  Note: You can use different brands and models of USB keyboard on the Local and Remote Units, but support for multi-function keyboards is limited to the standard 104 keys.
• A USB mouse
  Note: You can use different brands and models of mouse on the Local and Remote Units, but only the left and right mouse buttons and scroll wheel features are supported. Other mouse features are not supported.

Computers
The following equipment must be installed on each computer that is to be connected to the system:
• A VGA, SVGA, SXGA, UXGA, WUXGA, or multisync card.
• USB host controller and Type A USB port.

Cables
• For optimal signal integrity, and to simplify the layout, we strongly recommend that you use the high quality custom USB KVM Cable that is provided with this package.
• Cat 5e cable is the minimum required to connect the Local and Remote KE0270 Units. Cable of a lower standard will result in degrading of the video signal. For best performance, we strongly recommend Cat 5e cable.

Hardware Review A
KE0270 (Local Unit) Front View
1. KVM Port Section

2. RS-232 Serial Port
3. Operating Mode Pushbutton
4. LEDs

KE0270R (Remote Unit) Front View
1. RS-232 Serial Port
2. Deskew and Picture Compensation Pushbuttons
3. LEDs RGB

KE0270L / KE0270R Rear View/ Side View
1. Power Jack
2. Audio Ports
3. Remote I/O
4. Console Ports
5. Grounding Terminal(Side View)

Hardware Installation
Rack Mounting B
For convenience and flexibility, the KE0270L and KE0270R can be mounted on system racks. To rack mount a unit do the following:
1. Using the screws provided in the Rack Mount Kit, screw the mounting bracket into the top or bottom of the unit as show in the diagram.
2. Screw the bracket into any convenient location on the rack.
   Note: These screws are not provided. We recommend that you use M5 x 12 Phillips Type I cross, recessed type screws.

Setting Up C
Setting up the KE0270 USB KVM Extender system is simply a matter of plugging in the cables. Make sure that all the equipment to be connected up is powered Off. Refer to the installation diagram and do the following:
1. Plug the cables from the local console devices (mouse, keyboard, monitor, microphone, speakers) into their ports on the Console section on the rear of the Local Unit (KE0270L). Each port is marked with an appropriate icon to indicate itself.
2. Plug the appropriate connectors on the USB KVM cable supplied with

this unit into their ports on the CPU section on the front of the Local Unit (KE0270L).
3. Plug the connectors on the other end of the USB KVM cable into the appropriate ports on the local computer. Each connector is marked with an appropriate icon to indicate which it is.
   Note: If you are combining the KE0270 with a KVM switch, the other end of the USB KVM cable plugs into the appropriate ports on the KVM switch.
4. For control of serial devices, connect the RS-232 serial port on the local unit to a serial port on the local computer.
5. Plug either end of the Cat 5e cable into the KE0270L's Remote I/O port. Plug the other end of the Cat 5e cable into the I/O port of the Remote Unit (KE0270R).
6. Plug one of the power adapters (supplied with this package) into an AC source; plug the adapter's power cable into the KE0270L's Power Jack.
7. Plug the cables from the remote console devices (mouse, keyboard, monitor, speakers, microphone), into their ports on the Console side of the KE0270R.
8. Plug the second power adapter (supplied with this package) into an AC source; plug the adapter's power cable into the KE0270R's Power Jack.
   Note: Hot-plugging the Cat 5e cable will automatically trigger the deskew function.

Operation
Operating Modes
The KE0270 USB KVM Extender has three operating modes: Local, Auto, and Remote, as described in the table below:

Mode	Description
Local	Only the local console has KVM access. The remote console's keyboard and mouse input is disabled.
Auto	Both the local and remote consoles can have KVM access, but not at the same time. The console without access has to wait until the console with access stops inputting data before it can gain access.
Remote	The remote console has KVM access. Remote mode can only occur when the pushbutton on the KE0270L is set to Auto and the local console is idle.

Note: The default operating mode is Auto.

Hotkey Setting Mode
Invoking HSM
To invoke HSM, do the following:
1. Hold down [Ctrl].
2. Press and release [F12].
3. Release [Ctrl].

Hotkey Summary Table

Key	Function
[H]	Toggles between the default ([Ctrl] [F12]) and alternate ([Num Lock] [–]) Hotkey invocation keys.
[F1]	Sets the PC compatible keyboard operating platform for the port that currently has the KVM focus.
[F2]	Sets the Mac compatible keyboard operating platform for the port that currently has the KVM focus.
[F3]	Sets the Sun keyboard operating platform for the port that currently has the KVM focus.
[F4]	Print out the KVM's current Settings and quit the Setting mode.

ALTUSCN™
Enterprise Solutions by ATEN

KE0270
USB KVM延长器
快速安装卡

ATEN
Simply Better Connections™
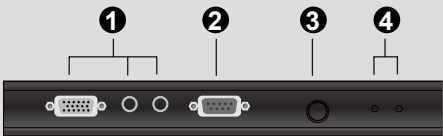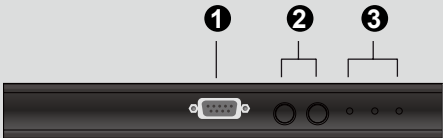
Part No. PAPE-1215-F00G
Printing Date: 07/2012

CE

包装明细
1 台KE0270L USB KVM延长器（本地设备）
1 台KE0270R USB KVM延长器（远程设备）
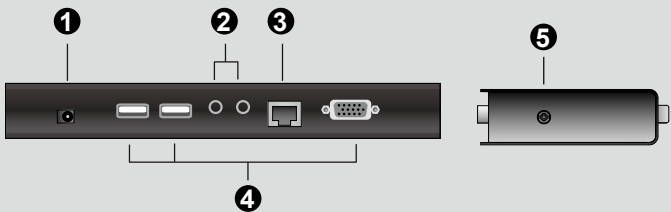1 根USB KVM线缆（1.8米）
2 个电源适配器
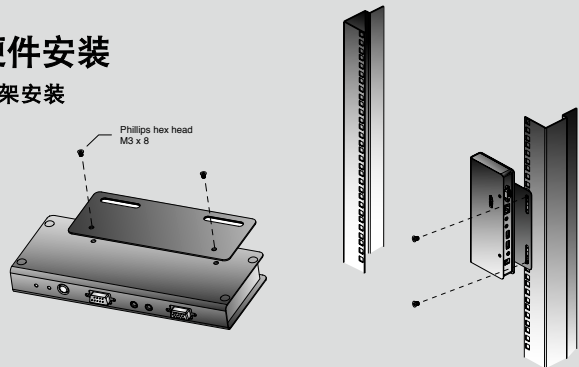1 套机架安装套件
2 根接地线
1 本用户手册

(A) 硬件检视

KE0270L（近端设备）前视图

❶ ❷ ❸ ❹

KE0270R（远程设备）前视图

❶ ❷ ❸

KE0270L/ KE0270R 后视图 / 侧视图

❶ ❷ ❸ ❺

❹

(B) 硬件安装
机架安装

Phillips hex head
M3 x 8

(C) 硬件安装
安装

KE0270L
❺ (后视图)
❻ ❶
Cat 5e cable
Console

KE0270R
❺ (后视图)
❷
❽ ❼
Console

KE0270L (前视图)
❹
USB KVM cable
❸

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部件名称	有毒有害物质或元素					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
电器部件	●	○	○	○	○	○
机构部件	○	○	○	○	○	○

○: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006规定的限量要求之下。
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KE0270 USB KVM 信号延长器快速安装卡

系统需求
控制端
• 一组 VGA, SVGA,SXGA, UXGA, WUXGA 或MultiSync的显示器，该显示器可支持安装架构下任何电脑使用的最高分辨率
  注意: 如果连接DDC显示器至近端设备，对远程设备连接的显示器必须能够支持DDC显示器的最高视频分辨率。
• 一组USB键盘
  注意: 近端和远程设备，可使用不同品牌和型号的USB键盘，如要使用多功能键盘，仅支持一般标准的104键。
• 一组USB鼠标
  注意: 近端和远程设备，可使用不同品牌和型号的鼠标，支持仅有左右按键和滚轴的鼠标。

电脑
以下配备必须安装于欲连接的各台电脑上:
• 一组VGA, SVGA, SXGA, UXGA, WUXGA 或Multisync显示卡
• USB 控制器 及 Type A USB连接端口

线缆
• 为确保最佳的信号整合，并简化机体上的连接端口配置，我们极力推荐您使用本包装内所提供的高质量特制的USB KVM线缆。
• Cat 5e是连接至近端和远程的KE0270设备所要求的最基本需求线缆。使用较低标准的线缆将会导致影像质量变差。为了达到最好的质量，我们推荐使用Cat5e线缆。

硬件检视 Ⓐ
KE0270L（近端设备）前视图
1. 电脑连接端口区
2. RS-232序列连接端口
3. 操作模式按键
4. LED指示灯

KE0270R（远程设备）前视图
1. RS-232序列连接端口
2. 校正信号偏移和影像补偿按键
3. RGB LED指示灯

KE0270L/ KE0270R 后视图 / 侧视图
1. 电源插孔
2. 音讯连接端口
3. 远程 I/O
4. 控制端连接端口
5. 接地端口（侧视图）

硬件安装 Ⓑ
机架安装
为提供使用上的便利与弹性,KE0270L和KE0270R可安装于机架上。
安装机架步骤如下:
1. 使用机器安装配件所附的螺丝，将机架固定片锁在信号延长器的上方或下方:
2. 将机架固定片锁在机架上任何方便的位置
   注意: 包装内并没有提供螺丝。我们建议使用M5 x 12 Phillips嵌壁式的螺丝。

安装 Ⓒ
安装设定USB KVM 信号延长器非常容易，只需接续线缆即可。
请确认您将连接的所有设备之电源皆已经关闭。安装步骤可照联机图:
1. 将近端控制设备（鼠标、键盘、显示器、麦克风及扬声器）插至近端控制器（KE0270L）背面的连接端口。每一连接头均有清楚的图示以为标识。
2. 将包装内所附的USB KVM线缆连接至近端设备前方(KE0270L)CPU区块的连接端口上。

3. 将连接线另一端的连接头连接到近端电脑系统，每一连接头均有清楚的图示以标识。
   注意: 若有使用多电脑切换器，则也可连接至多电脑切换器的对应连接端口
4. 为了使用序列设备，将近端控制端的序列连接端口连接至近端电脑的的RS-232序列连接端口。
5. 将Cat 5e线缆的任一端连接至KE0270L远程I/O连接端口。再将Cat 5e线缆的另一端连接至远程设备I/O连接端口(KE0270R)。
6. 将电源变压器(包装内所提供的)插至AC电源;再将模块的电源线插至KE0270L的电源插孔。
7. 将远程控制端设备(鼠标,键盘,显示器,扬声器,麦克风)的连接线缆接至KE0270R的主控制端上的对应连接端口。
8. 将第二个电源变压器(包装内所提供的)插至AC电源;再将模块的电源线插至KE0270R的电源插孔。
   注意: 使用Cat 5e线缆进行热插拔动作，将会自动地开启校正信号偏移功能。

操作方法
操作模式
KE0270 USB KVM信号延长器有三种操作模式:近端,自动,和远程。如下面的表格所描述:

模式	说明
近端	仅有近端控制端能访问KVM。远程控制端键盘和鼠标无法输入。
自动	近端和远程控制端都能访问,但是不能同时访问。控制端要等到停止输入数据才能获得访问。
远程	仅有远程控制端可以进行访问。远程模式仅能在KE0270L设定自动和近端控制端。

注意: 自动模式为默认的操作模式

热键设定模式
启动热键设定模式
执行下列步骤即可启动热键设定模式
1. 按住【Ctrl】键不放
2. 再按【F12】键后放掉
3. 最后放掉【Ctrl】键

热键一览表

键	功能
[H]	默认([Ctrl] [F12])和备用([Num Lock] [-])的热键。设定模式启动热键切换。
[F1]	在指定连接端口所对应的电脑做PC兼容键盘操作平台切的设定
[F2]	启动Mac键盘仿真
[F3]	启动Sun键盘仿真
[F4]	打印出目前切换器的设定,并离开设定模式