ALTUSEN

Matrix KVM Switch (KM0216 / KM0432) QUICK START GUIDE

2 Hardware Requirements

Console
¥ A VGA, SVGA, or Multisync monitor capable of the highest resolution that you will be using on any computer in the installation.

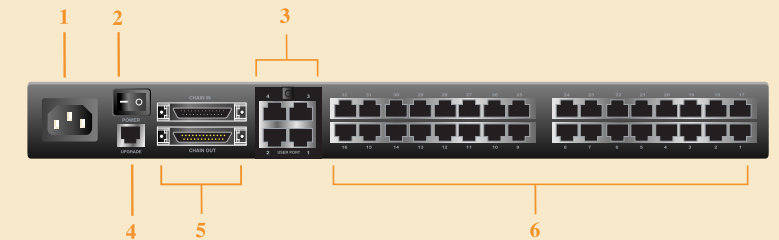¥ Either a PS/2 or a USB keyboard and mouse.

Computers

¥ An HDB-15 video port or, for legacy Sun systems, a Sun 13W3 video port.

¥ Either a PS/2 style (6 pin mini-DIN) mouse port and PS/2 style keyboard port; or USB ports (for a USB keyboard and USB mouse); or, for legacy Sun systems, a Sun style key boardport (8 pin mini-DIN).

5 The Matrix KVM Switch Unit (Rear View)

1. Power Socket
2. Power Switch
3. Console Port Section
4. Firmware Upgrade Port
5. Daisy Chain Ports
6. Computer Port Section

* The diagram shows the KM0432 model. The KM0216 only has two console prots and 16 CPU ports *
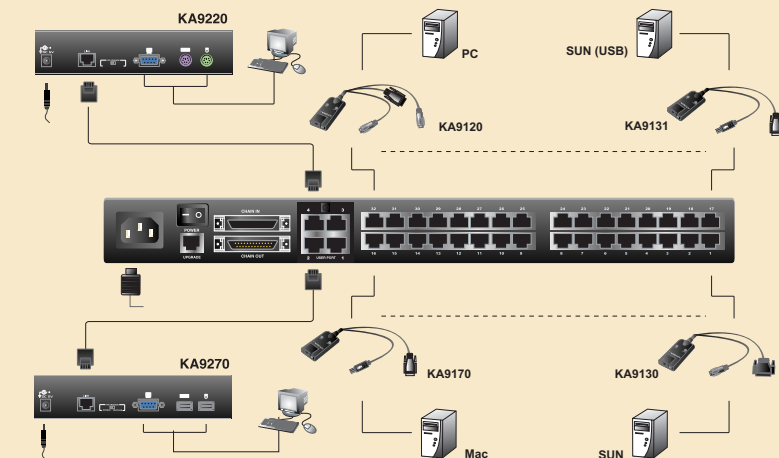
3 Hardware Requirements

Cables

Function	Cable
Matrix KVM Switch to Console Module	Cat. 5 cable
Matrix KVM Switch to KVM Adapter Cable	Cat. 5 cable
KVM Adapter Cable (To computer or cascaded KVM switch)	For PS/2 ports : KA9120
	For USB ports : KA9170
	For Sun Legacy : KA9130
	For Sun USB : KA9131
Daisy Chain Cable	KC1800

6 Single Stage Installationtion

1. Connnect the Console to the Console Module

2. Connect the Console Module to the Matrix KVM Switch
   ▪ NOTE : The distance between the Console Module and the Matrix KVM Switch must not exceed 150m (500').

3. Connect the Matrix KVM Switch to the KVM Adapter Cable
   ▪ NOTE : The distance between the Matrix KVM Switch and the KVM Adapter Cable must not exceed 150m (500').

4. Connect the KVM Adapter Cable to the Computer.

5. Repeat steps 3 and 4 for all the computers you wish to connect.

6. After all your computers have been cabled up, plug the female end of the power cord into the Matrix KVM Switch Power Socket; plug the male end into an AC power source.

7. For each Console Module, plug its power adapter into an AC source; plug the power adapter cable into the unit's power jack.

8. Turn on the power to the Matrix KVM Switch.

9. Turn on the power to the computers.

These instructions show how to install the KM0216 / KM0432 For detailed information, refer to the user manual included in the kit.
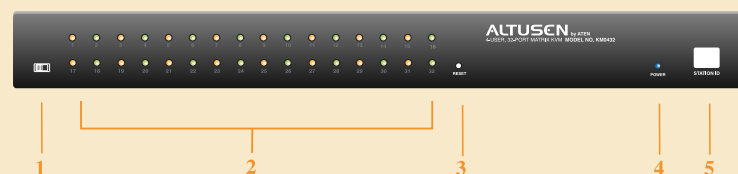
1 Package Contents

The complete package consists of :

¥ 1   KM0216 / KM0432 Matrix KVM Switch
¥ 1   Power Cord
¥ 1   RackMounting Kit
¥ 1   User Manual
¥ 1   Quick Start Guide
¥ 1   Warranty Registration Card

4 The Matrix KVM Switch Unit (Front View)

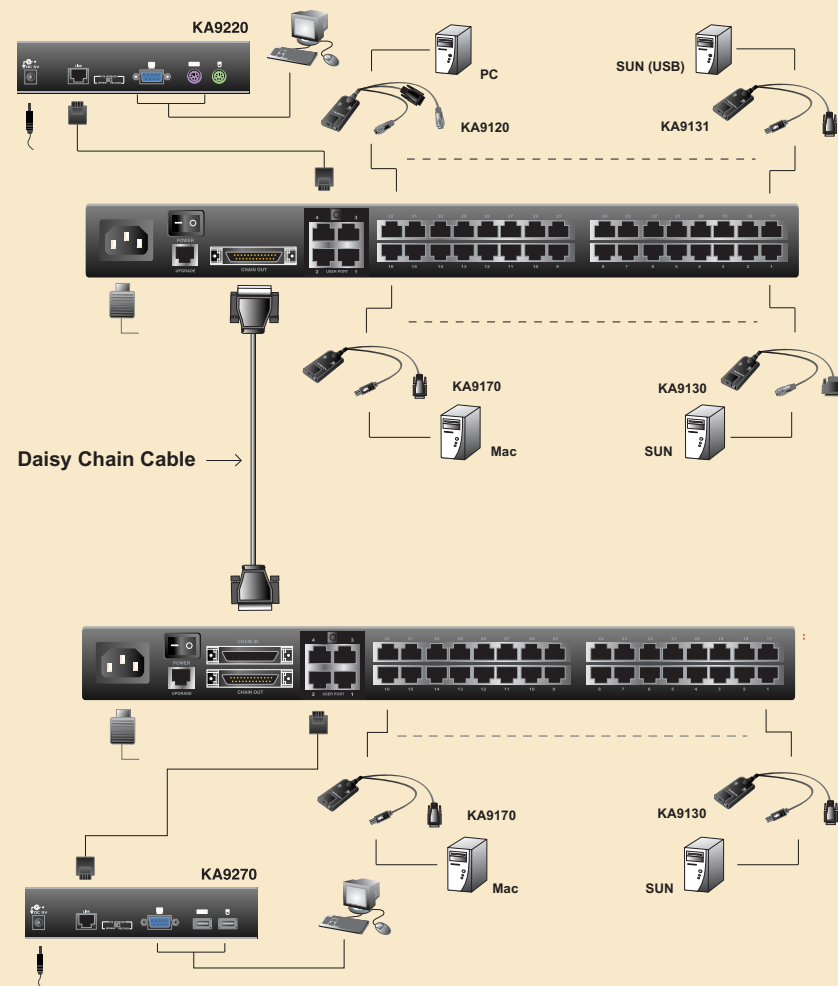1. Firmware Upgrade Recovery Switch
2. Port LEDs
3. Reset Switch
4. Power LED
5. Station ID LED

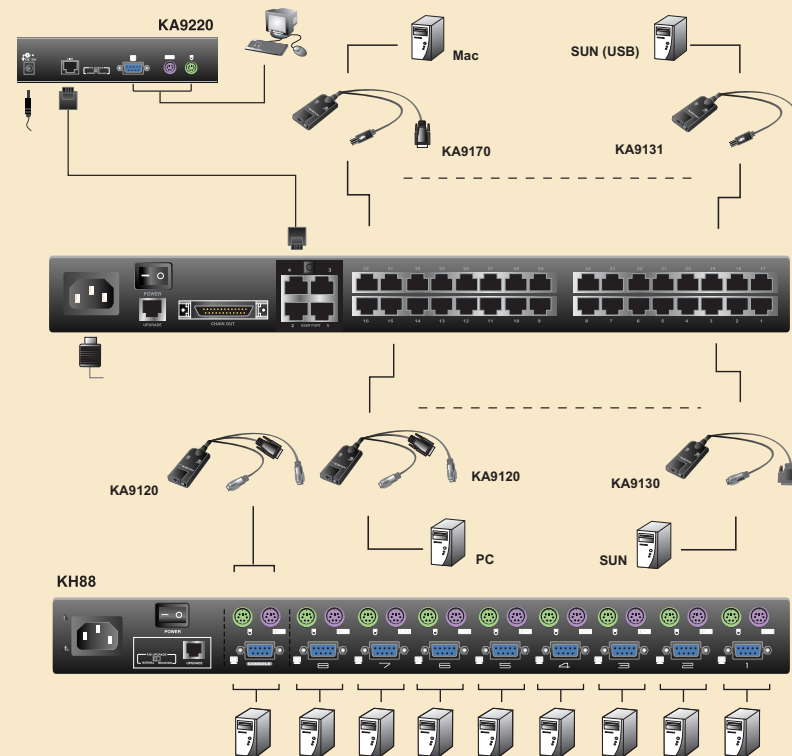* The diagram shows the KM0432 model. The KM0216 only has one row of LEDs *

Daisy Chain Cable →

1. Make sure that power to all the devices you will be connecting up has been turned off.

2. Use a daisy chain cable set to connect the Chain Out port of the parent Matrix KVM Switch unit to the Chain In port of the child Matrix KVM Switch unit.

3. If you wish to install any consoles on this switch, follow the procedure described for the Single Stage Installation.

4. Use KVM Adapter cables to connect any available CPU Port on the Matrix KVM Switch to the Keyboard, Video and Mouse ports of the computers you are installing

5. Repeat the above steps for any additional Matrix KVM Switch units you wish to add to the chain.

Up to 32 additional KVM switches can be cascaded from the KM0432's CPU ports.
- **NOTE :** Matrix KVM Switch's cannot be cascaded. You must use the Altusen KH88 or KH0116 cascading

1. Make sure that power to all the devices you will be connecting up has been turned off.

2. Use Cat 5 cable to connect any available CPU Port on the First Stage unit (the KM0432) to a PS/2 style KVM adapter cable; plug the adapter cable's KVM connectors to the Keyboard, Video, and Mouse Console ports of the Second Stage unit.
- **NOTE :** The distance between the Second Stage unit and the Matrix KVM Switch must not exceed 150m (500')

3. Plug the Second Stage unit's power adapter into an AC source; plug the power adapter cable into the unit's Power Socket.

4. Connect the KVM converter (KA9120) with the console on the second level KVM. Then use CAT5 cable to connect the KVM converter to the CPU side of the Matrix KVM.

5. Repeat steps 3 Đ 4 for any other Second Stage units you wish to connect

6. Turn on the power for the First Stage unit.

1. Press and hold down the <Num Lock> key

2. Press and release the <minus> key

3. Release the <Num Lock> key

- **NOTE :** The minus key must be released within one half second, otherwise the hotkey operation is canceled

[Num Lock] + [-]	[Port ID] [Enter]		Switches access to the computer that corresponds to that Port ID.
	[T] [n] [Enter]		Sets the Auto Scan interval to n seconds - where n is a number from 1 - 255.Invokes Auto Scan Mode.
	[A]		When Auto Scan Mode is in effect, [P] or Left Click pauses Auto Scanning. When Auto Scanning is paused, pressing Any Key or another Left Click resumes Auto Scanning.
	[←]		Invokes Skip Mode and Skips from the current port to the first accessible port previous to it.
	[→]		Invokes Skip Mode and Skips from the current port to the next accessible port.
	[↑]		Invokes Skip Mode and Skips from the current port to the last accessible port of the previous Station.
	[↓]		Invokes Skip Mode and Skips from the current port to the first accessible port of the next Station.
	[B]		Toggles the Beeper On or Off.

* Activate OSD, press [Scroll Lock] [Scroll Lock] or [Ctrl] [Ctrl] *

Heading	Explanation
PN	This column lists the Port ID numbers (Station Number - Port Number) for all the CPU ports on the installation. The simplest method to access a particular computer is move the Highlight Bar to it, then press Enter.
QV	If a port has selected for Quick View scanning an arrowhead displays in this column to indicate so.
☼	The computers that are powered on and are On Line have a Sun symbol in this column to indicate so.
NAME	If a port has been given a name, its name appears in this column.