



# SMART CONTROL SWITCH

## 2 USB + VGA KVM SWITCH



# USER MANUAL

HNKVM2UUV

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Dear Customer,

thanks for choosing an Hamlet product. Please carefully follow the instructions for its use and maintenance and, once this item has run its life span, we kindly ask You to dispose of it in an environmentally friendly way, by putting it in the separate bins for electrical/electronic waste, or to bring it back to your retailer who will collect it for free.



We inform You this product is manufactured with materials and components in compliance with ROHS directives: 2002/95/CE; with RAEE Directives: 2003/96/CE, Italian Legislative Decree 2005/151 and below EEC Directives: EN 55022: 1998+A1: 2000+A2: 2003: Class B, EN 61000-3-2: 2002+A2: 2005, EN 6100-3-3: 1995+A1: 2001, EN 55024: 1998+A1: 2001+A2: 2003, EN 61000-4-2: 2001, EN 61000-4-3: 2002, EN 61000-4-4: 2004, EN 61000-4-5: 2004, EN 61000-4-6: 2001, EN 61000-4-11: 2004.

## **FCC**

This equipment has been tested and found to comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received. Including interference that may cause undesired operation.

Read the manual thoroughly and follow the installation steps and operation procedure carefully in order to prevent any damage to the unit and/or any devices that connect to it.

## Overview

Smart Control Switch is an useful control unit that allows to access two computers from a console set of keyboard, mouse and monitor combination. No more extra cables and space prepared between PC and console. Smart Control Switch is purposing to toggle between computers (PC or Mac) by loaded Keyboard Hot-Key combinations and auto scan control. It has complete keyboard and mouse emulation for simultaneous PCs boot-up process.

## Introduction

### 2.1 Package Contents

- Smart Control Switch
- 2 sets of cables for computer connection
- User Manual

### 2.2 Features

- Support USB mode of Windows PC keyboard and mouse, but for MAC, in console port need work with Windows keyboard.
- Support Win98/98SE/2000/ME/Server 2003/XP, WinNT 3.0/4.0, Netware, Unix, Mac OS, Linux
- Connect to USB Macintosh systems or USB SUN Micro Systems
- For two MAC computers or one PC or MAC computer, please use push button to switch port.
- Hot Plug – Add/Remove connected PCs for maintenance without powering down the KVM switch or PCs.
- Very High Video Quality - Up to 2048x1536 pixel
- No Software Required - Easy PC selection via Hot Keys
- Keyboard status restored when switching PCs
- Non-powered
- LED Display for easy status monitoring

### 2.3 Hardware Requirements

#### Console

- A VGA monitor
- A USB Mouse
- A USB Keyboard

#### Computers

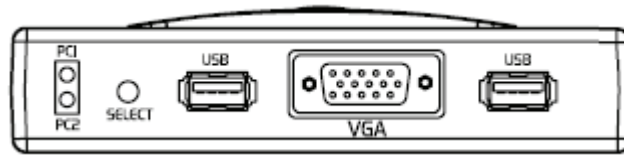
The following requirement must be installed on each computer:

- A VGA card
- A USB Mouse/Keyboard port

#### Cables

Two high quality 2-in-1 KVM cables have been designed into HNKVM2UUV.

## 2.4 Front and Rear View



- PC1/PC2: Status LEDs indicate the active computer port.
- SELECT: Push button for switching between computers.
- USB: Two USB port for connecting an USB keyboard and mouse.
- VGA: Port connection for a VGA monitor.



- PC1/PC2: Connection ports for the two computers you want to control. Use the two 2-in-1 cables included in the package to connect the KVM switch to the computers.

## Installation

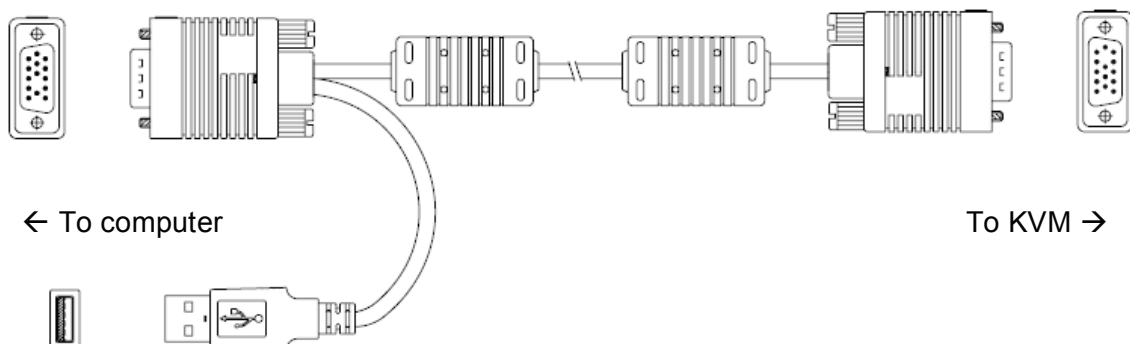
### 3.1 Operation Overview

#### Port LEDs

A LED lights indicate its corresponding port. Normally, there is one LED is always lit (i.e. the Console is connected to this PC port) for one PC port and the other PC port's LED is off, when you power on KVM switch. When you select one of two PCs by Hot Key and it is shut down, the selected port LED flashes.

#### KVM Cables

These 2-in-1 cables connect to the USB keyboard, mouse and VGA on the computers you are connecting.



#### Console Port

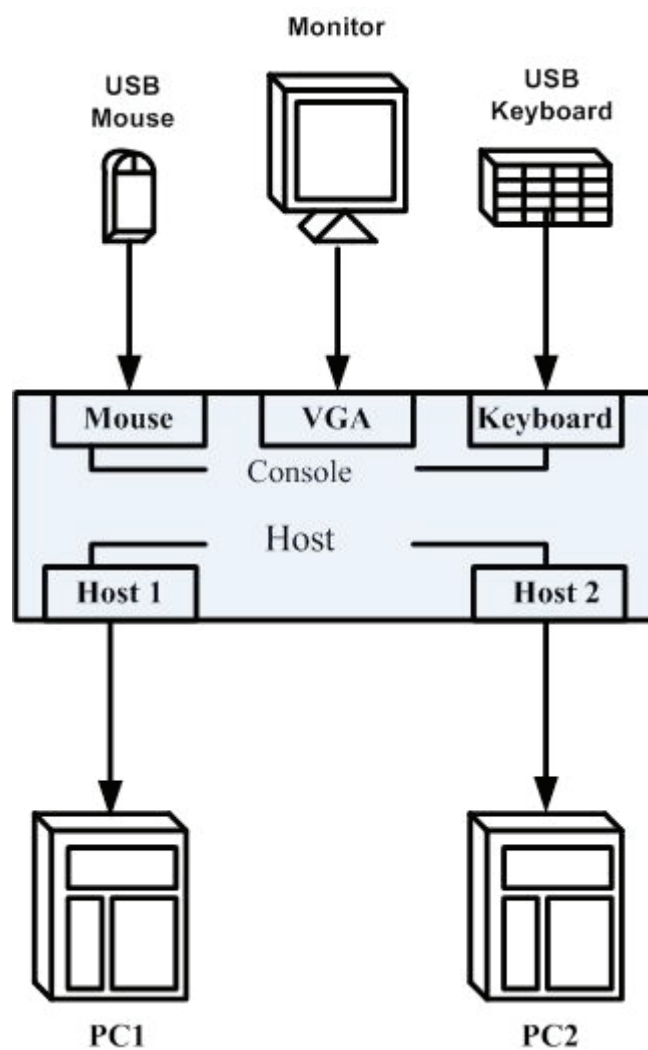
Plug your USB Keyboard, Mouse and VGA connector in console port. Each port is marked with icon to indicate itself.

## 3.2 Hardware Installation

Before installation, please make sure all of peripherals and computers have been turned off.

1. Connect USB cable to computers.
2. Connect HDDB-15 pin Male cable to computers.
3. Connect VGA monitor's cable to console VGA port.
4. Connect USB keyboard and USB mouse to console USB port individually OR connect USB keyboard and mouse combination to one of console USB ports.
5. Boot all of PCs.

**Note:** Please don't switch the PC port (i.e. Don't run hot key commands) during the computers boot-up process.



### 3.3 LED Display Table

Activity	Indication
Off	Port is not selected
On (steady)	Port is connected to an active computer
Flashing (On and Off equal)	As soon as the console port is switched to the other PC port, USB keyboard/Mouse is linked to the active computer. After flashing few seconds, it will back to ON state

Normally, there is one LED is always lit (i.e. the console is connected to this PC port) for one PC port and the other PC port's LED is off, when you power on KVM switch.

When you select one of two PC ports and it is shut down or no PC is connected, the selected port LED flashed.

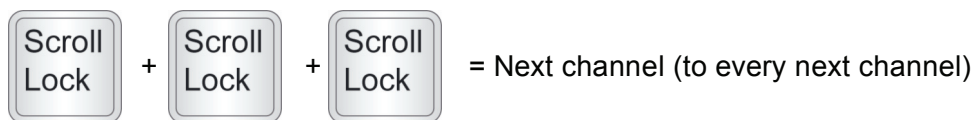
## Usage

### Keyboard Hot Key Commands

To send commands to HNKVM2UUV, the "Scroll Lock" key must be pressed three times within 3 seconds for every next channel. If you have not pressed any key in hot key mode within 3 seconds, the keyboard will back to under Operation System control state.

#### 5.1 Keyboard Hot Key Commands

To select PC port with Hot key press three times the **Scroll Lock** button.



NOTE: After switching PC port successfully, please wait 5 seconds to go next Hot Key command.

#### 5.2 Push Button

To select the PC port of the computer you want to control press the "Select" push button in the front panel of the Smart Control Switch.

The PC1 and PC2 LEDs indicate the PC port you have selected.

## Troubleshooting

Ensure that all cables are well seated. Label all of cables with the number for each respective computer to avoid confusion.

Symptom	Possible Cause	Solution and Recommendations
Booting up PC		
Don't press any keys on the keyboard while the selected computer is booting up. Otherwise, it might cause the keyboard error or keyboard is not detected or unpredictable error at PC side.		
Keyboard		
Keyboard is not responding.	Loose Cables	Check all Keyboard cable connections to make sure they are completely seated in their sockets.
	Keyboard needs to be reset.	Unplug the keyboard from the Console Keyboard Port, then plug it back in. Or try a different keyboard, but use only 101, 102 or 104-key keyboard.
	Switch needs to be reset	Turn off the computers. Unplug the KVM cables. Wait seconds; then plug the cables back in and turn the computers on
Mouse		
Mouse not detected or not respond correctly	Loose Cables	Check all Mouse cable connections to make sure they are completely seated in their sockets.
	Mouse needs to be reset	Unplug the Mouse from the Console Mouse Port, then plug it back in.
	Avoiding moving the mouse or pressing the mouse buttons when switching the port.	
Monitor		
Video problem	Resolution and/or Bandwidth setting	Select suitable resolution and/or bandwidth.

# Specification

## 4.1 Technical Specification

Function		Specification
Computer Connection		2
Port Selection		Hot Keys, Push Button
LEDs	Selected	2
Console Ports	Keyboard	1 x USB A type
	Mouse	1 x USB A type
	Video	1 x HDB-15 female
Computer Ports	Connectors and Interface	2 x HDB-15 female (blue) Integrated with USB Keyboard, USB Mouse and VGA electrical interface
Video Resolution		2048x1536
Housing		Plastic
Power Type		Bus Power
Size		Desktop
Weight (g)		96g
Dimension cable not include (mm)		L:120 / W:59 / H:28

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### Changes

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