True Transparent USB Emulation for Keyboard and Mouse
All-time Full DDC Emulation for Video Compatibility
Digital Video Resolution 2560x1600 Support
2 x USB 2.0 Hub Ports
Audio&Mic Switching Support
User-definable Hotkey Preceding Sequence

LDV-DM222AUSK/LDV-DM224AUSK

2/4-Port Dual Monitor Dual Link DVI KVM Switch w/ Audio&Mic

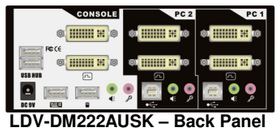
True Transparent USB Emulation

Quick Installation Guide

Thank you for purchasing the **LDV-DM222AUSK/LDV-DM224AUSK Dual Monitor Dual Link DVI KVM Switch w/ Audio&Mic**! With our highly reliable and quality product, user can enjoy countless benefits from using this KVM Switch.

LDV-DM222AUSK

LDV-DM224AUSK



LDV-DM222AUSK – Back Panel

LDV-DM224AUSK – Back Panel

Introduction

The **LDV-DM222AUSK/LDV-DM224AUSK Dual Monitor Dual Link DVI KVM Switch** is TMDS-compliant and designed specifically for sharing two dual-link DVI monitors between 2/4 computers with two dual-link DVI display output. With **LDV-DM222AUSK/LDV-DM224AUSK**, you can fully control 2/4 computers using only one set keyboard, mouse and two dual-link DVI monitors. This dual monitor dual-link DVI KVM Switch supports digital video resolution up to 2560 x 1600 (higher than 1080P HD) for your maximum convenience in adapting to your display requirements.

With the **True Transparent USB (TTU)** Emulation Technology, which embodies itself within a new ASIC chip, the **LDV-DM222AUSK** / **LDV-DM224AUSK Dual Monitor Dual Link DVI KVM Switch** is capable of a complete versatility in dealing with the functional requirements of all types of advanced keyboards and mice. Its 2 extra USB 2.0 hub ports are for sharing high-speed USB 2.0 devices. It features two channels stereo sound for theater audio experience and its audio and microphone switching function offers you uninterrupted multimedia experience while performing KVM switching. Furthermore, the KVM Switch supports multi-platform for both PC and Mac.

The **LDV-DM222AUSK/LDV-DM224AUSK Dual Monitor Dual Link DVI KVM Switch** features the Active Sync Replication™ **(A.S.R.)** technology that offers a all-time full DDC emulation for best video compatibility with new type of Operating System that requires more critical DDC communication.

Out-of-the-box Installation

Take the KVM Switch out of the box and begin installation....

Step 1. Power up your KVM Switch by connecting the external power adapter to it.

Step 2. Connect the shared USB keyboard, mouse, two DVI monitors, speaker, and microphone as well as other shared USB devices to its corresponding console port on the KVM Switch.

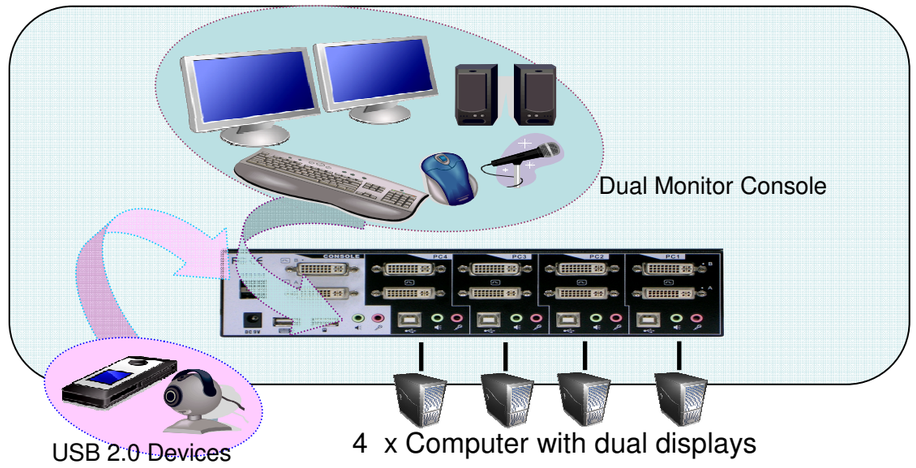
Step 3. Connect each of your computers to the KVM Switch Using provided DVI-D dual-link video cable, USB(Type A -to- Type B) cable, audio, and Microphone cable shown in the picture below.

DVI - D Video Cable

USB Cable (Type A-to-Type B)

Audio&Mic Cable

Step 4. (*Now your KVM Switch should have been powered-up….*) Power up the connected computers one by one. After your computers are powered up, the keyboard and mouse will be recognized and you can begin operating the KVM Switch.



Connection Illustration

Easy Operation

There are two methods to control your dual monitor KVM Switch: using the front-panel push buttons and keyboard hotkey sequence.

Front-Panel Push Buttons

The front-panel push buttons let you have direct control over KVM Switch operation and channel switching. Simply press the PC selection button for PC port switching, if binding is enabled the console USB hub ports and audio&mic ports, they will be jointly selected at the same time. If you want to enable the binding feature use the hotkey sequence. *See Quick Reference Sheet*

Keyboard Hotkeys

A keyboard hotkey sequence consists of at least three specific keystrokes: *See Quick Reference Sheet*

Hotkey Sequence = [ScrLk]* + [ScrLk] * + [Command key]

*** User-definable = SCROLL LOCK, CAPS LOCK, ESC, F12 or NUM LOCK**

Hotkey preceding sequence configuration:

For users who want to use a hotkey preceding sequence other than the default two consecutive Scroll Lock, there is a convenient way to configure it.

(1) Hit ScrollLock + ScrollLock + H, then two beeps sound will signal readiness for new hotkey preceding sequence selection or press and hold down the last front-panel push button (Button 2/4) until you hear two beeps, then release the push button.

(2) Select and press the specific key that you would like to use as your hotkey preceding sequence (**SCROLL LOCK**, **CAPS LOCK**, **ESC**, **F12** or **NUM LOCK** keys are available for selection) then you'll hear a beep sound for selection confirmation. Now you can use the new hotkey preceding sequence to execute your hotkey command.

Each keystroke within a hotkey sequence should be pressed within two seconds. Otherwise, the hotkey sequence will not be validated.

For more details about keyboard hotkey sequence and their corresponding functional commands, please refer to the Quick Reference Sheet.

Quick Reference Sheet

2/4-Port Dual Monitor Dual Link DVI KVM Switch w/ Audio & Mic -- Operation Commands for Hotkeys / Front-Panel Buttons

Hotkey Sequence = [ScrLk]* + [ScrLk]* + *Command Key* * ; User-definable Preceding Sequence = SCROLL LOCK, CAPS LOCK, ESC, F12 or NUM LOCK

Command	Hotkey[1]	Front-Panel Button	Description
Select PC Channel [2] (Joint-select PC port, hub port, and audio&mic, if binding is enabled)	ScrLk + ScrLk + (x) (x is a top-row number key) x = 1~2 / x = 1~4 for PC channel no	Press the corresponding button to select the active PC channel	Select the active PC channel (Joint-select PC port, hub port, and audio&mic, if binding is enabled)
Select Hub Port Control [2] (Joint-select PC and hub port control, if binding is enabled)	ScrLk + ScrLk + (Fx) Fx = F1~F2 / Fx = F1~F4 ; Fx is a function key ; x = 1~2 / x = 1~4 for PC channel no	Press the corresponding button to select the specific PC+USB hub port control --works only if PC port/hub port control binding is enabled	Select the PC channel that control all USB hub ports (Joint-select PC and hub port control, if binding is enabled)
Select Audio&Mic Channel [4] (Joint-select PC port and audio&mic, if binding is enabled)	ScrLk + ScrLk + (Fy) Fy = F5~F6 / Fy = F5~F8 ; Fy is a function key ; y = 1~2 / y = 1~4 for audio channel no	--	Select the active Audio&Mic channel (Joint-select PC & audio&mic channel, if binding is enabled)
Bind PC & Hub Port Control Switching [2] [Default]	ScrLk + ScrLk + Z	--	Enable the binding of PC port and hub port control switching. (Once this feature is enabled, any PC and/or hub port control switching is bound together) ***(factory default)***
Unbind PC & Hub Port Control Switching [2]	ScrLk + ScrLk + X	--	Disable the binding of PC port and hub port control switching
Bind PC & Audio/Mic Switching [4] [Default]	ScrLk + ScrLk + Q	--	Enable the binding of PC port and audio&mic switching. (Once this feature is enabled, any PC and/or audio&mic switching is bound together) ***(factory default)***
Unbind PC & Audio/Mic Switching [4]	ScrLk + ScrLk + W	--	Disable the binding of PC port and audio&mic switching
Next lower PC Channel [2] (Joint-select PC, hub port, and audio&mic, if binding is enabled)	ScrLk + ScrLk + ↑ *(arrow up)*	--	Select the next lower connected PC channel (Joint-select PC, hub port, and audio&mic, if binding is enabled)
Next higher PC Channel [2] (Joint-select PC, hub port, and audio&mic, if binding is enabled)	ScrLk + ScrLk + ↓ *(arrow down)*	--	Select the next higher connected PC channel (Joint-select PC, hub port, and audio&mic, if binding is enabled)
Previous PC Channel	ScrLk + ScrLk + ← *(Backspace)*	--	Toggle between the previous channel and current channel
Beep Sound On/Off	ScrLk + ScrLk + B	--	Toggle on/off the beep sound while autoscanning
Define Hotkey Preceding Sequence	ScrLk + ScrLk + H + (y) *y = SCROLL LOCK, CAPS LOCK, ESC, F12 or NUM LOCK*	Press and hold down the last button (Button 2/4) till hear two beeps sound, then release the button and press (y) key	Select the hotkey preceding sequence among 5 alternative keys
Auto-scan	ScrLk + ScrLk + S	--	Auto-scan through every connected channel for quick screen browsing of each channel (scan delay = 5 sec.).
Auto-scan with Programmable Delay Time	ScrLk + ScrLk + S + (z) z = 0~9 1 → 10" ; 2 → 20" ; 3 → 30" ; 4 → 40" ; 5 → 50" ; 6 → 60" ; 7 → 70" ; 8 → 80" ; 9 → 90" ; 0 → 100"	--	Auto-scan with a user-defined delay time within a range of 10 ~ 100 seconds
Stop Auto-scan	Press any key on keyboard	Press any button	Terminate Auto-scan activity

Notes:

1. *The USB keyboard hotkeys allows you a faster and broader control for your KVM switching operation in addition to the front-panel buttons.* If you have configured a hotkey preceding sequence other than two consecutive scroll locks, you should change your hotkey sequence accordingly. (For preceding sequence key configuration, please refer to Quick Installation Guide)
2. *When the binding of PC & USB hub port control switching is enabled by the hotkey sequence: ScrLk + ScrLk + Z, any PC and hub port control switching is bound together. To remove this binding, use the hotkey sequence: ScrLk + ScrLk + X.*
3. *When the binding of PC & Audio&Mic switching is enabled by the hotkey sequence: ScrLk + ScrLk + Q, any PC and audio&mic switching is bound together. To remove this binding, use the hotkey sequence: ScrLk + ScrLk + W.*

LED Information: *Green LED indicates PC port connection status between the KVM Switch and computer: solid green – established; flashing green – not connected; Red LED indicates KVM Switch USB hub port control status: solid red – PC has the control of all USB hub ports; off – PC has no control.*

Important Note*: The red LED, USB hub port control status, indicates which PC has the full control of all USB hub ports and their connected devices on the KVM Switch.*
For example, when red LED 1 is lit, it means PC port 1 has the current full control of all USB hub ports and their connected USB devices on the KVM Switch.

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