



User Manual

2-Port USB KVM Switch with Audio Support

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Preface

D-Link reserves the right to revise this publication and to make changes in the content hereof without obligation to notify any person or organization of such revisions or changes.

Manual Revisions

Revision	Date	Description
1.0	March 28, 2011	• KVM-222 Revision A1

Trademarks

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Package Contents

- 2-Port USB KVM Switch with Audio Support
- Remote
- CD-ROM (includes software and manual)
- Quick Install Guide

If any of the above items are missing, please contact your reseller.

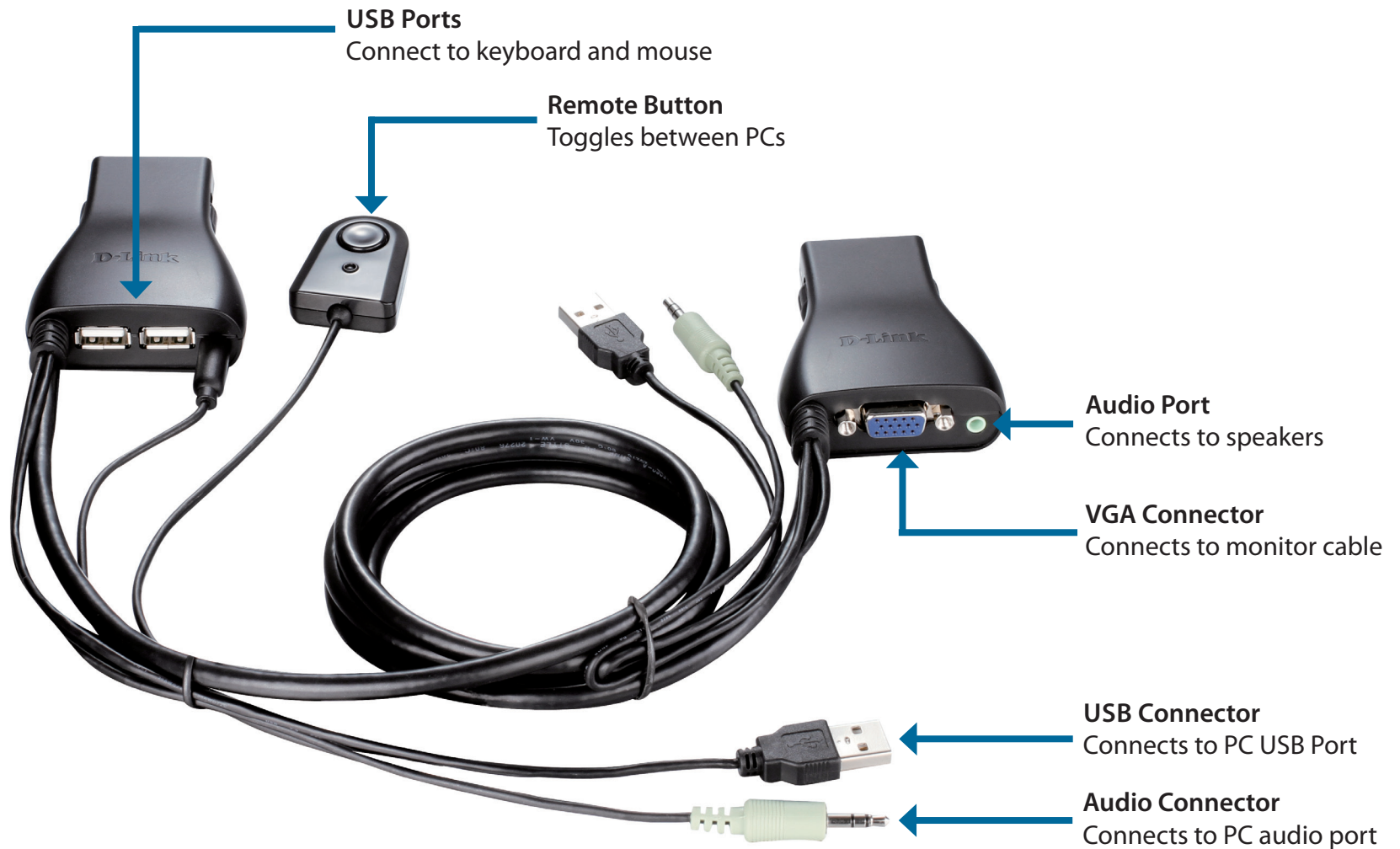
System Requirements

- USB Keyboard
- USB Mouse
- VGA Monitor
- Speakers (optional)
- Two Computers with available USB Ports
- Windows® 7, Windows Vista®, Windows® XP (SP 2 or higher), Windows® 2000, and Mac OS (10.3 and above)

Features

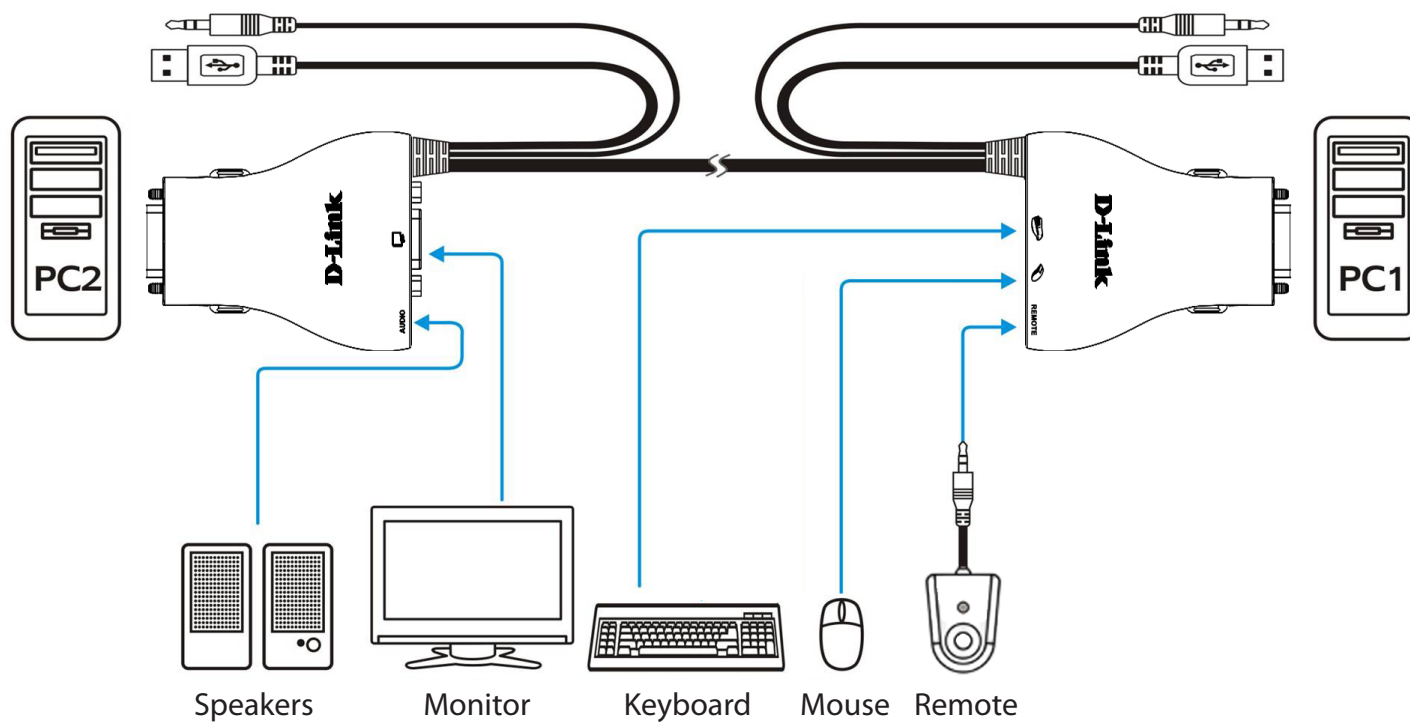
- Control two computers with one monitor, USB keyboard and USB mouse
- Switch audio between two computers
- Supports DDC, DDC2, and DDC2B
- Compact and portable design
- Remote switch toggles between PCs
- Supports up to 2048 x 1536 monitor resolution
- Compatible with VGA, SVGA and MultiSync monitors

Product Overview



Hardware Installation

Please follow the diagram below to connect the KVM switch to your workstation computers. Speakers are optional.

**Note:**

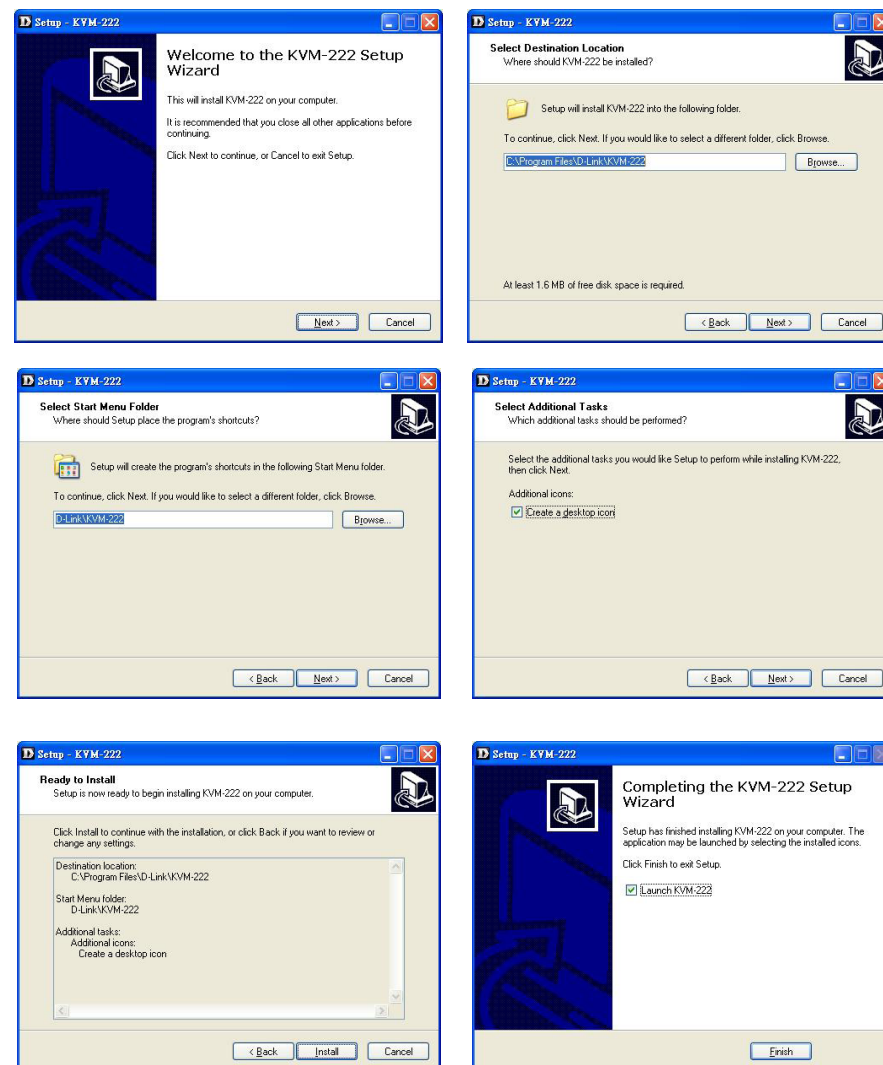
This KVM Switch will not detect whether a computer is on or off if the "Power On" function is set in the BIOS. If you switch to a computer that is turned off, nothing will be displayed on the monitor.

Software Installation

Windows®

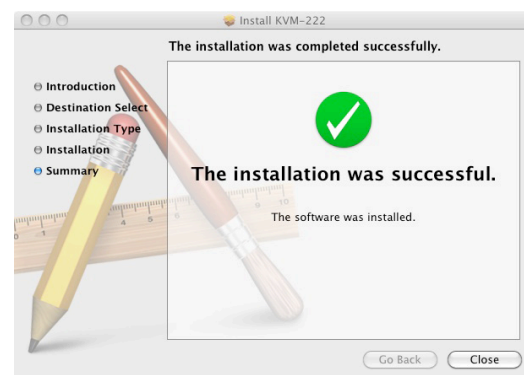
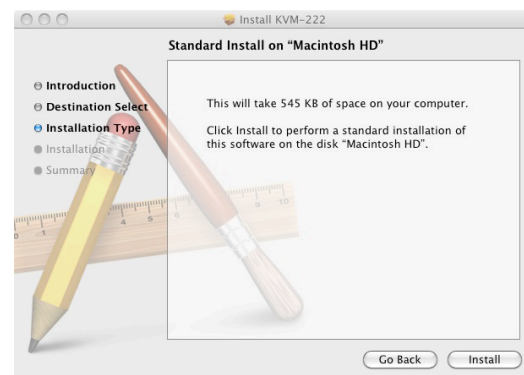
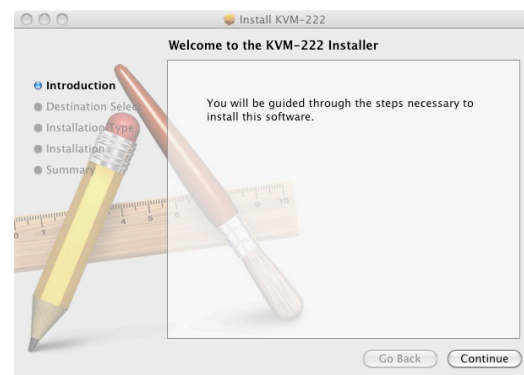
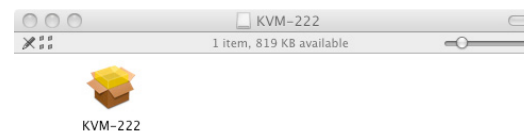
1. Please insert the installation CD-ROM into your computer's CD drive. When the autorun screen appears, click **Install**.
2. When the Setup Wizard appears, click **Next**.
3. Please follow the installation steps on the screen.
4. Click **Finish** to complete the installation and launch the KVM software.
5. When the installation is completed, a D-Link icon will appear in the taskbar area indicating the ready status of the connected computer.

Task bar area: 



Mac

1. Please insert the installation CD-ROM into your computer's CD drive.
2. From a Finder window, click on your CD drive and then open the Utility folder.
3. Double-click **KVM_222.DMG** and then double-click on **KVM-222** package installer to install the software.
4. Please follow the installation steps on the screen.
5. Click **Close** to complete the installation and launch the KVM software.
6. When the installation is completed, a D-Link icon will appear in the doc area indicating the ready status of the connected computer.



Accessing the KVM

Windows®

Remote Switching

Push the remote button to switch between computers.
The green and orange LEDs indicate the selected PC.



Hot key Switching

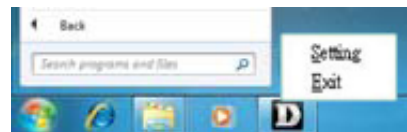
Press the **Scroll Lock** key two times to switch between PCs, including audio.
Press the **Caps Lock** key two times to switch between PCs but maintain the audio feed of the original computer.

Software Switching

- Left-click on the D-Link icon to switch between PCs.
- You may also use a specified keyboard hotkey to switch between PCs. See the instructions below.

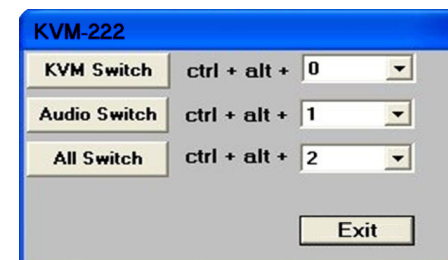
Software Settings

Right-click on the D-Link icon and select **Setting**.



The following options are available:

- KVM Switch:** This hotkey will switch between PCs but maintain the audio feed of the original computer.
- Audio Switch:** This hotkey will switch the audio to the other PC, but maintain control of the original computer.
- All Switch:** This hotkey will switch between PCs, including audio.

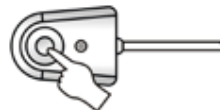


You may choose a number for each hotkey. Please choose different numbers for each setting.

Mac

Remote Switching

Push the remote button to switch between computers.
The green and orange LEDs indicate the selected PC.

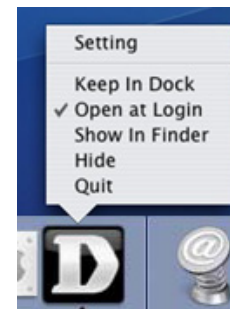


Software Switching

- Click on the D-Link icon to switch between PCs.
- You may also use a specified keyboard hotkey to switch between PCs. See the instructions below.

Software Settings

Click and hold on the D-Link icon located in the doc area for 3 seconds and select **Setting**.



The following options are available:

- KVM Switch:** This hotkey will switch between PCs but maintain the audio feed of the original computer.
- Audio Switch:** This hotkey will switch the audio to the other PC, but maintain control of the original computer.
- All Switch:** This hotkey will switch between PCs, including audio.



You may choose a number for each hotkey. Please choose different numbers for each setting.

Linux

Remote Switching

Push the remote button to switch between computers.
The green and orange LEDs indicate the selected PC.



Troubleshooting

When turning the computer on, the keyboard/mouse is not detected, or a keyboard/mouse error message is displayed.

- Make sure that the keyboard/mouse is properly connected to the KVM-222. Check that the keyboard cable is securely plugged into the correct USB keyboard port and not the USB mouse port. Check that the USB mouse cable is plugged into the correct USB mouse port and not the USB keyboard port.
- Verify that the keyboard/mouse works when plugged into the computer directly.
- If the computer's BIOS does not support USB boot-up, the system may be unable to detect the mouse and keyboard during startup. Please ensure that your PC BIOS supports USB boot-up, and upgrade your PC's firmware if necessary.
- Try using a different USB keyboard/mouse

The computer's BIOS is correctly configured but the computer is still unable to detect the mouse and keyboard.

- Be sure to directly connect the USB KVM switch to USB port on the PC's motherboard rather than through a port on a PCI card, Card Bus, or USB Hub.

If the image on your monitor is not clear.

- Verify that all video monitor cables are inserted properly.
- Try lowering the resolution and refresh rate of your monitor.
- Try using a shorter video cable.

If your audio is not functioning properly.

- Make sure that the speakers are properly connected to the KVM-222.
- Verify that the speaker works when plugged directly into the computer.
- Try using a different set of speakers.

When switching to PC2, the computer still displays PC1.

- The KVM switch may not function correctly while a computer is powered off or still booting up. Ensure that the second PC is powered on and use the hot key or remote button to switch between computers.

How do I set a hot key in Mac 10.6?

- Press CTRL + click or right-click on the D-Link icon in the doc area and click on **Setting** to open the settings menu to set a hotkey.

Technical Specifications

Console Connectors

- Keyboard: 1 x USB female
- Mouse: 1 x USB female
- Monitor: 1 x HDB-15 female VGA, SVGA, XGA, MultiSync
- Audio: 1 x 3.5mm Mini Stereo Jack Female
- Remote: 1 x 2.5 mm 4 Pin Phone Jack (Female)

Computer Connectors (PC1 & PC2)

- Keyboard/Mouse: USB Type A Male
- Monitor: HDB - 15 Male
- Audio: 3.5 mm Mini Stereo Jack Male (green)

Cable Length

- KVM Cable - 1.8M

Switching Control

- Remote Button
- Hot key commands
- Software Selection

Monitor Resolution

- Up to 2048 X 1536

LEDs

- Status

Power

- Bus Powered (No External Power Adapter Required)

Software Requirements

- Windows® 2000 / XP (SP2 or higher) / Vista® / 7
- Mac OS (10.3 and higher)

Operating Temperature

- 32°F TO 122°F (0°C TO 50°C)

Operating Humidity

- 80% Maximum (Non-condensing)

Certifications

- FCC
- CE

Warranty

- 1 Year limited warranty (USA and Canada only)

Contacting Technical Support

U.S. and Canadian customers can contact D-Link technical support through our web site or by phone.

Before you contact technical support, please have the following ready:

- Model number of the product (e.g. KVM-222)
- Hardware Revision (located on the label on the bottom of the device (e.g. rev A1))
- Serial Number (s/n number located on the label on the bottom of the device).

You can find software updates and user documentation on the D-Link website as well as frequently asked questions and answers to technical issues.

For customers within the United States:

Phone Support:
(877) 453-5465

Internet Support:
<http://support.dlink.com>

For customers within Canada:

Phone Support:
(800) 361-5265

Internet Support:
<http://support.dlink.ca>

Warranty

Subject to the terms and conditions set forth herein, D-Link Systems, Inc. ("D-Link") provides this Limited Warranty:

- Only to the person or entity that originally purchased the product from D-Link or its authorized reseller or distributor, and
- Only for products purchased and delivered within the fifty states of the United States, the District of Columbia, U.S. Possessions or Protectorates, U.S. Military Installations, or addresses with an APO or FPO.

Limited Warranty:

D-Link warrants that the hardware portion of the D-Link product described below ("Hardware") will be free from material defects in workmanship and materials under normal use from the date of original retail purchase of the product, for the period set forth below ("Warranty Period"), except as otherwise stated herein.

- Hardware: One (1) year

The customer's sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link's option, to repair or replace the defective Hardware during the Warranty Period at no charge to the original owner or to refund the actual purchase price paid. Any repair or replacement will be rendered by D-Link at an Authorized D-Link Service Office. The replacement hardware need not be new or have an identical make, model or part. D-Link may, at its option, replace the defective Hardware or any part thereof with any reconditioned product that D-Link reasonably determines is substantially equivalent (or superior) in all material respects to the defective Hardware. Repaired or replacement hardware will be warranted for the remainder of the original Warranty Period or ninety (90) days, whichever is longer, and is subject to the same limitations and exclusions. If a material defect is incapable of correction, or if D-Link determines that it is not practical to repair or replace the defective Hardware, the actual price paid by the original purchaser for the defective Hardware will be refunded by D-Link upon return to D-Link of the defective Hardware. All Hardware or part thereof that is replaced by D-Link, or for which the purchase price is refunded, shall become the property of D-Link upon replacement or refund.

Limited Software Warranty:

D-Link warrants that the software portion of the product ("Software") will substantially conform to D-Link's then current functional specifications for the Software, as set forth in the applicable documentation, from the date of original retail purchase of the Software for a period of ninety (90) days ("Software Warranty Period"), provided that the Software is properly installed on approved hardware and operated as contemplated in its documentation. D-Link further warrants that, during the Software Warranty Period, the magnetic media on which D-Link delivers the Software will be free of physical defects. The customer's sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link's option, to replace the non-conforming Software (or defective media) with software that substantially conforms to D-Link's functional specifications for the Software or to refund the portion of the actual purchase price paid that is attributable to the Software.

Except as otherwise agreed by D-Link in writing, the replacement Software is provided only to the original licensee, and is subject to the terms and conditions of the license granted by D-Link for the Software. Replacement Software will be warranted for the remainder of the original Warranty Period and is subject to the same limitations and exclusions. If a material non-conformance is incapable of correction, or if D-Link determines in its sole discretion that it is not practical to replace the non-conforming Software, the price paid by the original licensee for the non-conforming Software will be refunded by D-Link; provided that the non-conforming Software (and all copies thereof) is first returned to D-Link. The license granted respecting any Software for which a refund is given automatically terminates.

Non-Applicability of Warranty:

The Limited Warranty provided hereunder for Hardware and Software portions of D-Link's products will not be applied to and does not cover any refurbished product and any product purchased through the inventory clearance or liquidation sale or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product and in that case, the product is being sold "As-Is" without any warranty whatsoever including, without limitation, the Limited Warranty as described herein, notwithstanding anything stated herein to the contrary.

Submitting A Claim:

The customer shall return the product to the original purchase point based on its return policy. In case the return policy period has expired and the product is within warranty, the customer shall submit a claim to D-Link as outlined below:

- The customer must submit with the product as part of the claim a written description of the Hardware defect or Software nonconformance in sufficient detail to allow D-Link to confirm the same, along with proof of purchase of the product (such as a copy of the dated purchase invoice for the product) if the product is not registered.
- The customer must obtain a Case ID Number from D-Link Technical Support (USA 1-877-453-5465, who will attempt to assist the customer in resolving any suspected defects with the product. If the product is considered defective, the customer must obtain a Return Material Authorization ("RMA") number by completing the RMA form. Enter the assigned Case ID Number at <https://rma.dlink.com/> (USA only).
- After an RMA number is issued, the defective product must be packaged securely in the original or other suitable shipping package to ensure that it will not be damaged in transit, and the RMA number must be prominently marked on the outside of the package. Do not include any manuals or accessories in the shipping package. D-Link will only replace the defective portion of the product and will not ship back any accessories.

- The customer is responsible for all in-bound shipping charges to D-Link. No Cash on Delivery (“COD”) is allowed. Products sent COD will either be rejected by D-Link or become the property of D-Link. Products shall be fully insured by the customer and shipped to D-Link Systems, Inc.
- **USA residents** send to 17595 Mt. Herrmann, Fountain Valley, CA 92708. D-Link will not be held responsible for any packages that are lost in transit to D-Link. The repaired or replaced packages will be shipped to the customer via UPS Ground or any common carrier selected by D-Link. Return shipping charges shall be prepaid by D-Link if you use an address in the United States, otherwise we will ship the product to you freight collect. Expedited shipping is available upon request and provided shipping charges are prepaid by the customer. D-Link may reject or return any product that is not packaged and shipped in strict compliance with the foregoing requirements, or for which an RMA number is not visible from the outside of the package. The product owner agrees to pay D-Link’s reasonable handling and return shipping charges for any product that is not packaged and shipped in accordance with the foregoing requirements, or that is determined by D-Link not to be defective or non-conforming.
- **Canadian residents** send to D-Link Networks, Inc., 2525 Meadowvale Boulevard Mississauga, Ontario, L5N 5S2 Canada. D-Link will not be held responsible for any packages that are lost in transit to D-Link. The repaired or replaced packages will be shipped to the customer via Purolator Canada or any common carrier selected by D-Link. Return shipping charges shall be prepaid by D-Link if you use an address in Canada, otherwise we will ship the product to you freight collect. Expedited shipping is available upon request and provided shipping charges are prepaid by the customer. D-Link may reject or return any product that is not packaged and shipped in strict compliance with the foregoing requirements, or for which an RMA number is not visible from the outside of the package. The product owner agrees to pay D-Link’s reasonable handling and return shipping charges for any product that is not packaged and shipped in accordance with the foregoing requirements, or that is determined by D-Link not to be defective or non-conforming. RMA phone number: 1-800-361-5265
Hours of Operation: Monday-Friday, 9:00AM – 9:00PM EST.

What Is Not Covered:

The Limited Warranty provided herein by D-Link does not cover:

Products that, in D-Link’s judgment, have been subjected to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, repair or service in any way that is not contemplated in the documentation for the product, or if the model or serial number has been altered, tampered with, defaced or removed; Initial installation, installation and removal of the product for repair, and shipping costs; Operational adjustments covered in the operating manual for the product, and normal maintenance; Damage that occurs in shipment, due to act of God, failures due to power surge, and cosmetic damage; Any hardware, software, firmware or other products or services provided by anyone other than D-Link; and Products that have been purchased from inventory clearance or liquidation sales or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product.

While necessary maintenance or repairs on your Product can be performed by any company, we recommend that you use only an Authorized D-Link Service Office. Improper or incorrectly performed maintenance or repair voids this Limited Warranty.

Disclaimer of Other Warranties:

EXCEPT FOR THE LIMITED WARRANTY SPECIFIED HEREIN, THE PRODUCT IS PROVIDED “AS-IS” WITHOUT ANY WARRANTY OF ANY KIND WHATSOEVER INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.

IF ANY IMPLIED WARRANTY CANNOT BE DISCLAIMED IN ANY TERRITORY WHERE A PRODUCT IS SOLD, THE DURATION OF SUCH IMPLIED WARRANTY SHALL BE LIMITED TO THE DURATION OF THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. EXCEPT AS EXPRESSLY COVERED UNDER THE LIMITED WARRANTY PROVIDED HEREIN, THE ENTIRE RISK AS TO THE QUALITY, SELECTION AND PERFORMANCE OF THE PRODUCT IS WITH THE PURCHASER OF THE PRODUCT.

Limitation of Liability:

TO THE MAXIMUM EXTENT PERMITTED BY LAW, D-LINK IS NOT LIABLE UNDER ANY CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE THEORY FOR ANY LOSS OF USE OF THE PRODUCT, INCONVENIENCE OR DAMAGES OF ANY CHARACTER, WHETHER DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF GOODWILL, LOSS OF REVENUE OR PROFIT, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, FAILURE OF OTHER EQUIPMENT OR COMPUTER PROGRAMS TO WHICH D-LINK'S PRODUCT IS CONNECTED WITH, LOSS OF INFORMATION OR DATA CONTAINED IN, STORED ON, OR INTEGRATED WITH ANY PRODUCT RETURNED TO D-LINK FOR WARRANTY SERVICE) RESULTING FROM THE USE OF THE PRODUCT, RELATING TO WARRANTY SERVICE, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY, EVEN IF D-LINK HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE SOLE REMEDY FOR A BREACH OF THE FOREGOING LIMITED WARRANTY IS REPAIR, REPLACEMENT OR REFUND OF THE DEFECTIVE OR NONCONFORMING PRODUCT. THE MAXIMUM LIABILITY OF D-LINK UNDER THIS WARRANTY IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCT COVERED BY THE WARRANTY. THE FOREGOING EXPRESS WRITTEN WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ANY OTHER WARRANTIES OR REMEDIES, EXPRESS, IMPLIED OR STATUTORY.

Governing Law:

This Limited Warranty shall be governed by the laws of the State of California. Some states do not allow exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the foregoing limitations and exclusions may not apply. This Limited Warranty provides specific legal rights and you may also have other rights which vary from state to state.

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CE Mark Warning:

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

FCC Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For detailed warranty information applicable to products purchased outside the United States, please contact the corresponding local D-Link office.

Registration

Register your product online at registration.dlink.com



Product registration is entirely voluntary and failure to complete or return this form will not diminish your warranty rights.

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