

**D-Link[®] KVM-440/KVM-450
8/16 Port Combo KVM Switch**

User Manual

V2.00

PREFACE

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ERP POWER USAGE

This device is an Energy Related Product (ErP) designed to be always on. If it is not needed during certain periods of time, it can be unplugged to save energy.

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1. Introduction

Thank you for purchasing a D-Link Combo KVM Switch. You now have a durable, high quality system that lets you control multiple PCs through a single console.

Features

- Connect your console keyboard and mouse via PS/2 and/or USB.
- Connect computers to the KVM via PS/2 and/or USB and VGA.
- Support for Windows, Linux, Mac OS 9/OS X, and Sun Microsystems Operating Systems.
- On-Screen-Display (OSD) & Cascade Chain functions.
- Intuitive on-screen menus for quick and efficient navigation.
- Supports daisy chaining with up to 3 cascade levels. Cascaded units do not require any special configuration.
- Emulates a PS/2 or USB keyboard on each PC, allowing them to boot normally without generating a keyboard error.
- Supports hot-plugging: All devices connected to the KVM can be added or removed at any time without shutting down the KVM.
- Select a PC to switch to using one of 3 interfaces:
 - Front Panel Buttons
 - Hotkeys on a PS/2 keyboard
 - OSD Menu (On-Screen-Display)
- Supports an Auto-Scan function to switch video inputs automatically among computers sequentially at preset intervals via the OSD menu.
- Supports LED display for PC and/or server status monitoring.
- Supports monitor resolutions up to 2048 x 1536.
- Supports audible feedback when switching is enabled.
- Fully compliant with USB 1.1/2.0 specifications.
- Rack mountable in 19" system racks (1U).

- **Package Contents**

The product you purchased should contain the following equipment and accessories:

- 1 x 8-Port or 16-Port Combo KVM Switch
- 1 x CD containing the User Manual, QIG, and the firmware utility
- 1 x Quick Installation Guide booklet
- 1 x Power Adapter
- 1 x Rack Mount Bracket Kit
- 4 x Custom combo 4-in-1 cable

2. Specifications

Specifications		
Number Of Computers Controlled	8 or 16	
Selection Method	Push Button and Hotkey (PS/2 / USB Keyboard) or On-Screen-Display (OSD)	
LEDs	Red for PC Selection Green for PC On-Line ready	
PC Connectors	Video	8 / 16 x 15-pin VGA female
	(KB/MS)	(PS/2 & USB signal combined)
Console Ports	Keyboard	1 x 6 pin mini-DIN female
	Mouse	1 x 6 pin mini-DIN female
	Video	1 x 15-pin VGA female
	Keyboard	1 x USB-A type female
	Mouse	1 x USB-A type female
Auto-Scan Interval	Configurable through OSD menu	
DDC, DDC2 Monitor	Max. resolution up to 2048 x 1536 @ 65 Hz	
Hot Swap & Hot Plug Support	Yes	
Supported Operating Systems	Windows 98SE/ME/2000/XP/2003/Vista/7/8/10 Server, Linux, Mac OS 9/OS X, and Sun Microsystems	
Power	Through external power adapter	
Dimensions (L x W x H)	44 x 15.7 x 4.5 cm (17.3 x 6.1 x 1.5 inch)	
Unit Weight	1750 g / 1900 g	
Housing Material	Metal	
Operating Temperature	32 to 104 °F (0 to 40 °C)	
Humidity	0% to 80% RH	
Firmware Upgrade Connector	Mini USB female	

3. System Requirements

- Console
 - Monitor with a VGA connector
 - PS/2 and/or USB Keyboard/Mouse
- Computer or Server
 - Each attached computer or server must have the following:
 - Available VGA port for video output
 - USB and/or PS/2 ports for keyboard and mouse input
- Cables
 - This KVM Switch includes four custom combo 4-in-1 cables.
 - To purchase additional 4-in-1 cables, please contact your dealer.

4. Installation

4.1. Front View

8-Port



Figure 1: 8-port KVM front view

16-Port



Figure 2: 16-port KVM front view

- **LED Indicators:**
 - **Selected:** A RED LED indicates which PC is currently selected and in use.
 - **On-Line:** A GREEN LED indicates that the corresponding PC is connected and powered on.

- **Reset Switch:**
 - To reset the device, press the reset button located on the front panel. The reset switch must be depressed using a thin object, such as an unfolded paperclip.

4.2. Rear View

- **8-Port**

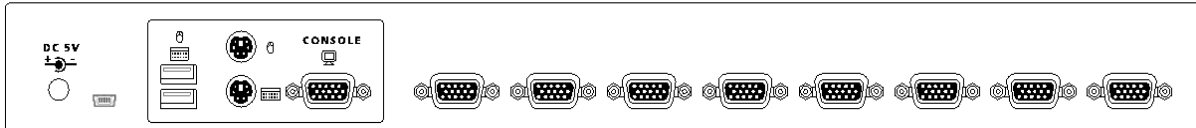


Figure 3: 8-port KVM rear view

- **16-Port**

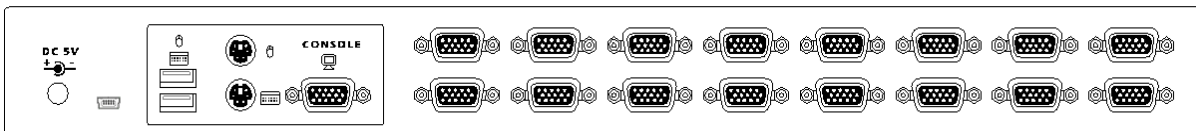


Figure 4: 16-port KVM rear view

4.3. Single Stage Installation

4.3.1. Precautions:

- Please turn off all the computers and their attached devices before you begin the installation of the KVM switch.
- For computers with a Keyboard Power On function, please unplug the power cords in advance. Otherwise, the switch may not work properly.
- If a computer is running under Windows 98, please connect the computer to the KVM switch via the PS/2 ports. Windows 98 does not support a first time installation through a USB HID installation driver.
- Some older computers may require you to enable USB functionality in the BIOS for the USB interface to work properly.

4.3.2. Console Connection:

Plug your keyboard, mouse, and monitor into the console ports on the rear panel of the KVM switch. (Figure 5)

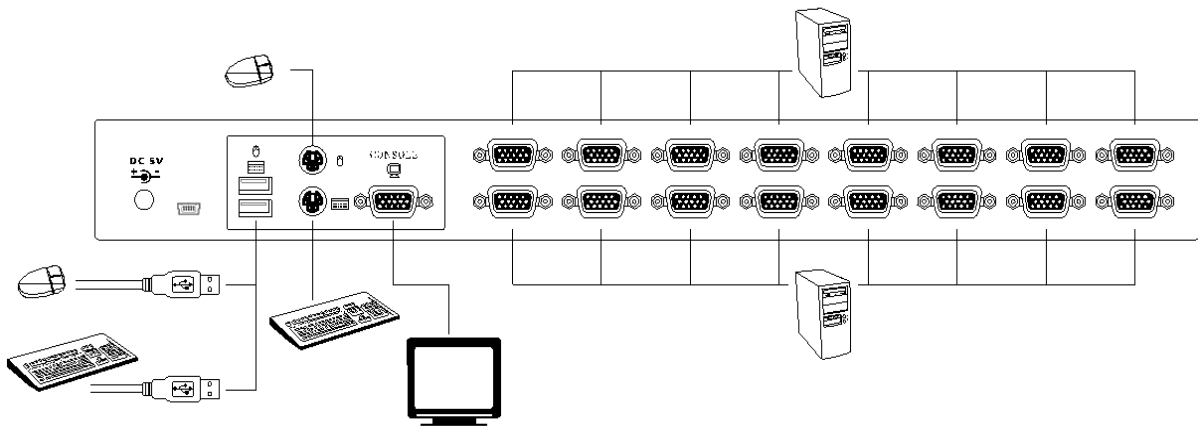


Figure 5: Console connection

4.3.3. System Connection:

Use the included custom combo 4-in-1 cables to connect your computers to the KVM. Refer to the figures and instructions shown below for more information about how to connect the KVM to your PCs.

Note: Please contact your reseller to purchase additional 4-in-1 cables if necessary.



Figure 6: Custom combo 4-in-1 cable

You can connect the KVM switch to the computers using one of the three methods shown below:

- A. Connect the **USB, PS/2 (keyboard/mouse)**, and **VGA** connectors to your computer. We recommend that you connect all additional systems in this way. (Figure 7)

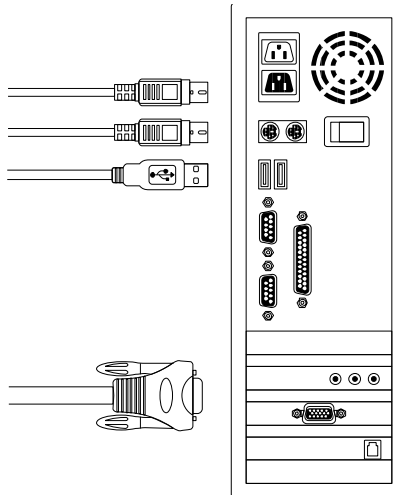


Figure 7: USB & PS/2 (Keyboard & Mouse) and VGA connected

- B. Only connecting the **PS/2 (keyboard/mouse)** and **VGA** connectors to the computers. (Figure 8)

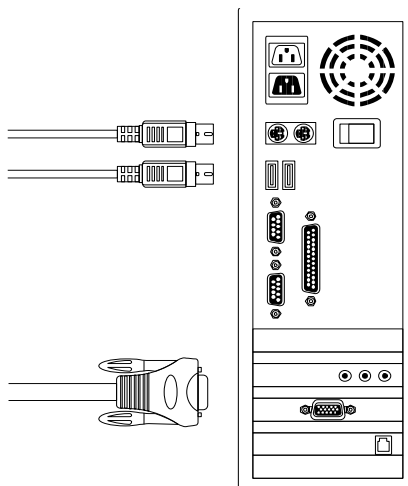


Figure 8: PS/2 (Keyboard & Mouse) and VGA connected

- C. Only connecting the **USB** and **VGA** connectors to the computers.
(Figure 9).

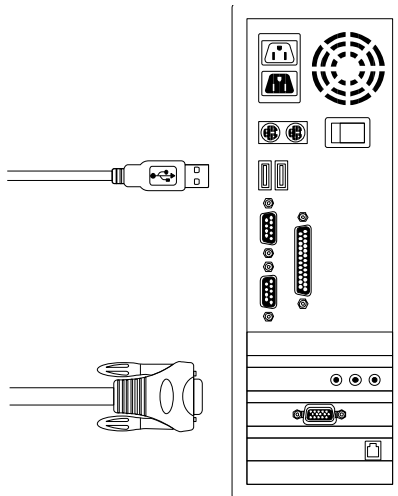


Figure 9: USB and VGA video connected

4.4. Cascade Chaining

A cascade configuration expands the system's capabilities and allows you to select computers connected to the Master or Slave switch. The KVM switch supports cascades of up to 3 levels, letting you control up to 64/256/4096 PCs from a single console. Cascaded units do not require any special configuration. Once connected, the KVM switches will automatically configure themselves appropriately as Master or Slave.

To install a cascade chain, please follow the instructions below:

- A. Please turn off all the computers and devices before you start installing the KVM switches.
- B. Use the custom combo cable set (**See Figure 6**) to connect one or more Slave KVM switches to any PC port of the Master KVM switch. **Individual KVMs must be connected through a PS/2 & USB connection. (Please refer to Figure 7)**
- C. Plug in the power adapter of the first level Master KVM switch and connect the Master KVM switch to the computers.
- D. Plug in the power adapter for each level Slave KVM switch and connect the slave KVM switch(es) to the computers.

- E. The power-on sequence should be as follows:
1. Master KVM switch
 2. Second level Slave KVM switch (connected to the Master KVM switch), if any.
 3. Third level Slave KVM Switch (connected to the second level Slave KVM switch), if any.
 4. All computers connecting to the Master/Slave KVM switches.
- F. When all the KVM switches are powered on, turn on the computers.
- Initial Plug-in Process:
Please plug in the Master KVM switch first before turning on any other devices such as monitors or computers.
 - Hot Plug and Hot Swap:
This KVM switch supports hot plugging and hot swapping.

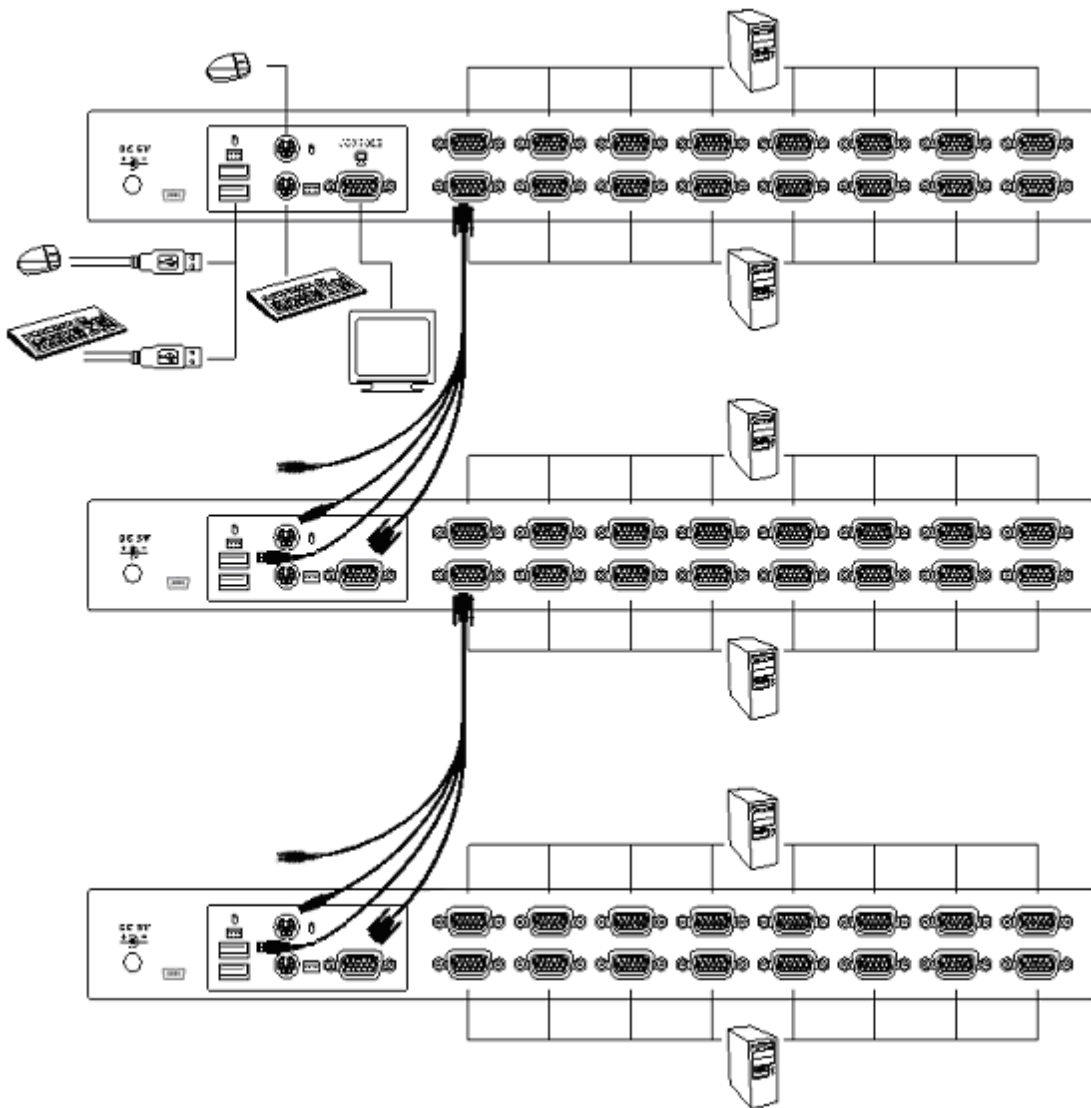


Figure 10: Cascade chaining

4.5. Rack Mounting

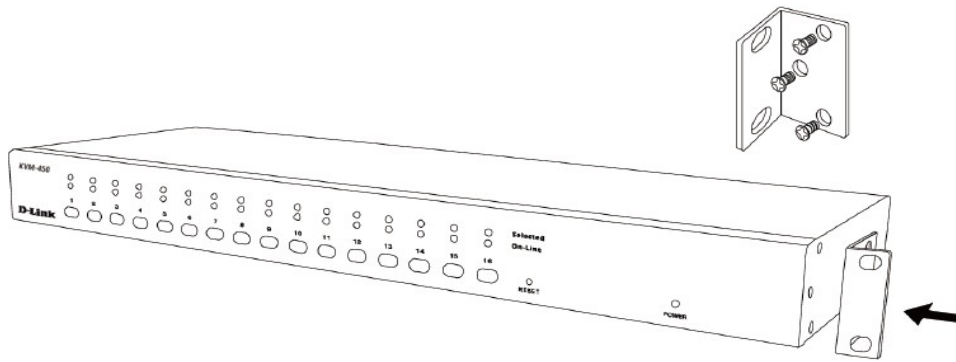


Figure 11: Rack mounting

Figure 11 shows you how to attach mounting brackets to the KVM switch unit for a standard 19-inch rack cabinet.

1. Attach the mounting brackets onto both sides of the KVM switch unit using screws. (See Figure 11)
2. Install the KVM switch unit into the rack cabinet.

5. Operation

You can control the connected computers via the 8-Port or 16-Port Combo Free KVM switch by using push buttons, hotkeys, and OSD.

Button Operation

Press the corresponding front panel button to select and operate that PC.

Hotkey Operation

Please refer to section 6. Hotkey Operation.

OSD Operation

Please refer to section 7. OSD Operation.

6. Hotkey Operation

6.1. Call OSD Menu

Press **<Scroll Lock>** twice and then **<Enter>** to bring up the OSD “Main Menu” on the monitor screen. All of the KVM parameters can be set up in OSD mode. You can also execute some KVM functions in OSD mode.

<Scroll Lock> → <Scroll Lock> → <Enter>

6.2. Leading Hotkey Select

The two-step hotkey sequence is used for quickly executing certain functions. By default, the leading hotkey is **<Scroll Lock>**. However, you may change this at any time.

By pressing **<CTRL>** twice, input **<New Hotkey>**, and then pressing **<Enter>**, you can change the leading hotkey.

The available leading hotkey options are **<Scroll Lock>**, **<Num Lock>**, or **<Caps Lock>**.

Change Hotkey to	Hotkey Sequence
Scroll Lock	<CTRL> → <CTRL> → <Scroll Lock> → <Enter>
Num Lock	<CTRL> → <CTRL> → <Num Lock> → <Enter>
Caps Lock	<CTRL> → <CTRL> → <Caps Lock> → <Enter>

Note: You can also change the leading hotkey by pressing **<F1>** from within the OSD main menu. Please refer to section **7.3.5 Setup in OSD – Hotkey**.

6.3. Channel Select - Single KVM

6.3.1. Specific channel selection

You can quickly select specific computers using a two-step hotkey sequence. Press **<Scroll Lock>** twice (Step 1), then enter the corresponding number key (**1 to 8/16**) and press **<Enter>** (step 2) to directly select the computer you want to control.

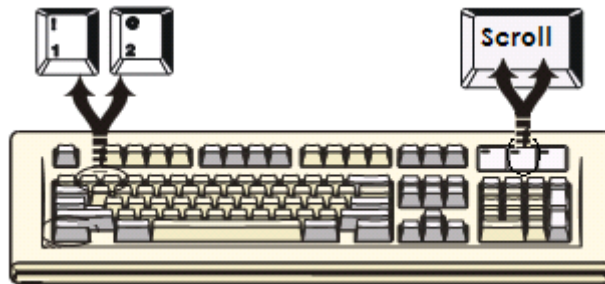


Figure 12: Specific channel selection hotkey

Select Channel	Hotkey Sequence
1	<Scroll Lock> → <Scroll Lock> → <1> → <Enter>
2	<Scroll Lock> → <Scroll Lock> → <2> → <Enter>
...	...
16	<Scroll Lock> → <Scroll Lock> → <16> → <Enter>

Note: You may also select individual computers in the OSD menu. Move the indicator bar to the channel you wish to switch to by using the **<Arrow Keys>**, **<Page Up>** or **<Page Down>**, then press **<Enter>** to select that connected computer. Please refer to section **7.2 Channel Selection in OSD**.

6.3.2. Arrow Key Channel Shift Function

Press **<Scroll Lock>** twice, then press the **<Left Arrow>** or **<Right Arrow>** key to shift one channel to the left or right.

- **Switch one channel to the left**
<Scroll Lock> → **<Scroll Lock>** → **<Left Arrow>**

- **Switch one channel to the right**
<Scroll Lock> → **<Scroll Lock>** → **<Right Arrow>**

6.3.3. <ALT> Channel Shift Function

1. Start <ALT> Channel Shift Function

The <ALT> channel shift function is turned off by default. To enable/disable this function, press the leading hotkey <Scroll Lock> twice, followed by <ALT> and then <Enter>.

2. Switch channels using the <ALT> key

With the <ALT> channel shift function enabled, pressing either the <Left ALT> or <Right ALT> key twice allows you to automatically shift one channel to the left or right.

- **Enable/Disable <ALT> channel shift function**
<Scroll Lock> → <Scroll Lock> → <ALT> → <Enter>
- **Switch one channel to the left**
<Left ALT> → <Left ALT>
- **Switch one channel to the right**
<Right ALT> → <Right ALT>

6.4. Channel Select - Cascade Chain Layer

You can select any active channel directly within a cascade chain connection. To quickly select a channel in a specific layer, use the following hotkey sequence. Press <Scroll Lock> twice, then <D>, followed by the cascade **channel number** (1, 2, 3.....16), and press <Enter>.

- **Select the first layer channel**
<Scroll Lock> → <Scroll Lock> → <D> → <CH-L1> → <Enter>
- **Select the second layer channel**
<Scroll Lock> → <Scroll Lock> → <D> → <CH-L1>
→ <D> → <CH-L2> → <Enter>
- **Select the third layer channel**
<Scroll Lock> → <Scroll Lock> → <D> → <CH-L1>
→ <D> → <CH-L2>
→ <D> → <CH-L3> → <Enter>

Note: With 3 cascading layers, you can select the last layer directly;

Example: Press **<Scroll Lock>** twice, then **D2D5D7**, and **<Enter>**:

D2 : layer 1 - channel 2 links to

D5 : layer 2 - channel 5 links to

D7 : layer 3 - channel 7 selected

Note: You can also select active channels in the cascade chain from within the OSD menu. Move the indicator bar to the channel you wish to switch to using the **<Arrow Keys>**, **<Page Up>** or **<Page Down>**, and then press **<Enter>** to switch to the target port. Please refer to section **7.2.2 Channel select to cascade port.**

6.5. Buzzer Sound Disable/Enable

By default, the buzzer sound is turned on. You may enable/disable this feature by pressing **<Scroll Lock>** twice, then **** and **<Enter>**.

<Scroll Lock> → **<Scroll Lock>** → **** → **<Enter>**

Note: You can also enable/disable the buzzer sound by pressing **<F1>** in the OSD main menu. Please refer to section **7.3.6 Setup in OSD - Sound.**

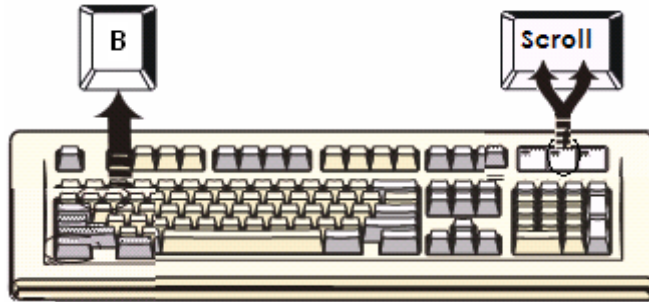


Figure 13: Buzzer setup hotkey

6.6. Auto-Scan Function

To enable the Auto-Scan function, press **<Scroll Lock>** twice, then **<S>** and **<Enter>**. The KVM switch will automatically start shifting through all the ports and display them on the monitor. The default banner display time is 5 seconds. This can be changed to 10 seconds, 15 seconds or always on (∞).

The mouse and keyboard will be inactive while in auto-scan mode. This is

necessary to prevent errors such as erratic mouse movement and incorrectly displayed characters when accidentally touching the mouse or keyboard. Note that pressing any key on the keyboard will interrupt the scan.

6.6.1. Start Auto-Scan Function

<Scroll Lock> → **<Scroll Lock>** → **<S>** → **<Enter>**. The auto-scan banner will then appear, displaying the channel currently being scanned.

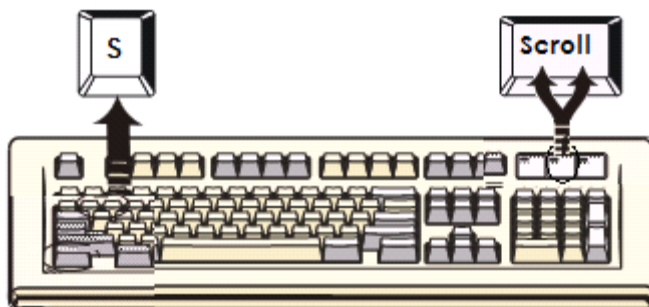


Figure 14: Auto-scan hotkey

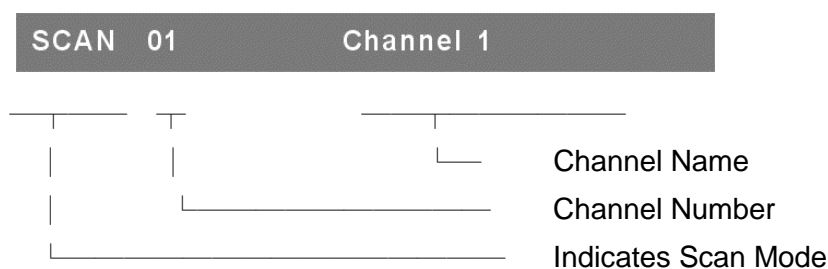


Figure 15: Auto-scan banner

6.6.2. Stop Auto-Scan Function

To stop auto-scanning, press any key on the keyboard. Alternatively, you may stop the auto-scan function by pressing any of the channel buttons on the front panel of the KVM. The auto-scan will stop at the last scanned port.

6.6.3. Auto-Scan Mode

There are two auto-scan modes, please refer to section **7.3.1 Setup in OSD – Scan Mode** to set up the auto-scan mode.

- Scan all computers.
- Only scan computers which are marked for auto-scanning.

6.6.4. Auto-Scan Time Interval

The auto-scan time interval can be adjusted by pressing **<F1>** in the OSD main menu. Please refer to section **7.3.1 Setup in OSD – Scan Time**.

Note: You can also start the auto-scan function by pressing **<F2>** in the OSD main menu. Please refer to section **7.4 Auto-Scan in OSD**.

6.7. Console Lock

If the security mode is enabled in OSD mode (by pressing **<F5>** in OSD mode), you can lock the console by pressing **<Scroll Lock>** twice, then **<H>** and **<Enter>**. The KVM will then be locked until an authorized user logs back in.

<Scroll Lock> → <Scroll Lock> → <H> → <Enter>

To unlock the console, press any key on the keyboard to bring up the login window. Here, type in your user name and password. Once logged in, the KVM switch and console devices will be unlocked and return to normal status.

If this is your first time logging in, use the default administrator account (user: **admin** / password: **123456**) to unlock the console. As the administrator, you may then create or edit additional users and passwords in the security menu, which can be accessed by pressing **<F5>** in the OSD main menu.

Note: You can also execute the console lock function by pressing **<F3>** in the OSD main menu. Please refer to section **7.5 Console Lock in OSD**.

7. OSD Operation

7.1. OSD Main Menu

Pressing <Scroll Lock> twice and then <Enter> will bring up the **OSD (On-Screen-Display)** main menu. The channel number, name, and status will be displayed on the monitor screen. Please refer to figure 16

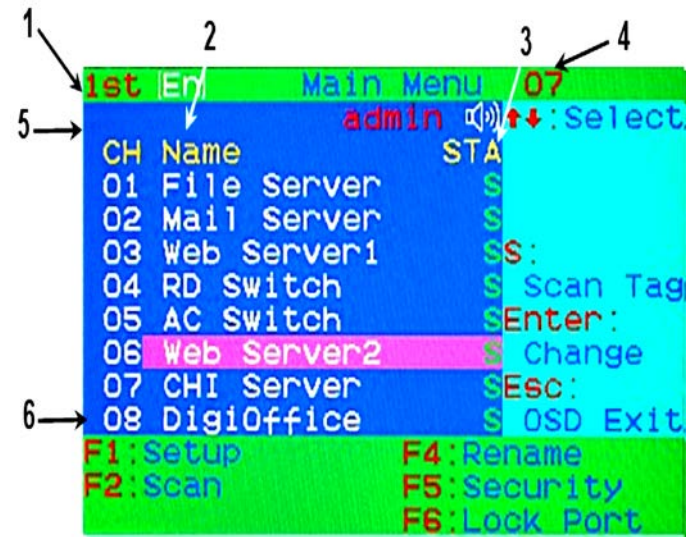


Figure 16: OSD main menu

7.1.1. KVM Layer Number

1st, 2nd or 3rd in the upper-left corner indicates the current cascade level.

7.1.2. Channel Name

- Any channel can be renamed using the <F4> key. Channel names help remind users which computer is connected to a particular channel.
- A highlighted pink bar will appear in the selected channel row.
- A plus mark (+) showing to the left of the channel name indicates that this port has been cascaded.

7.1.3. Computer & KVM Status

- **KVM buzzer status**
 - ◀ Buzzer sound on
 - ✕ Buzzer sound off
- **Logged-in user name**

The system has one administrator and 3 user accounts for security management. The name of the currently logged-in user is displayed at the top.

- **Channel LOCK indicator (Status STA)**
L: Indicates that this channel is locked.
BLANK: Indicates that this channel is unlocked.
- **Computer power on indicator (Status STA):** The OSD menu will update the flag automatically if the computer status changes.
A: Indicates that this computer is powered on and selectable.
BLANK: Indicates that this computer is not connected or powered on.
- **Channel scan indicator (Status STA)**
S: This channel is marked for auto-scanning if the scan mode is set to **Select**.
BLANK: Indicates that this computer is not marked for auto-scanning.

7.1.4. Current active channel number

The channel number of the currently operated computer is displayed in the upper-right corner.

If the active channel is part of the 2nd or 3rd cascade layer, the string will be displayed in the format XX-YY-ZZ. For example, 02-05-07 means that layer 1 - channel 2, linked to layer 2 - channel 5, linked to layer 3 - channel 7 is the currently active channel.

7.1.5. Cascade parent channel number

This indicates the parent channel of this cascade layer. The number at the upper-left corner below the KVM layer number shows the port number of the upper layer KVM to which the slave KVM is connected (i.e. 8 indicates a link from channel 8 of the upper KVM switch).

This is only the case for the 2nd and 3rd cascade layer. The OSD will display a blank for the 1st layer since there is no parent channel in that case.

7.1.6. Page Down/Up Indicator

Note: When using a 16-port KVM switch, the information about ports 1 ~ 8 is displayed on the first page while information for ports 9 ~ 16 is displayed on the second page. Since the port information is divided into two pages, the **page down/up indicator** is a reminder that you can switch between pages by using the **<Page Down>** and **<Page Up>** keys.

7.1.7. Function Control Menu

The control functions will be described in more detail in later sections. Below is a quick overview of the available OSD control functions:

- F1: Setup:** Basic setup menu
- F2: Scan:** Auto-scan function
- F3: Lock:** Lock/unlock console, only available when **Security** is enabled
- F4: Rename:** Rename the selected channel
- F5: Security:** Security and user authority settings
- F6: Lock Port:** PC port lock function (for administrator only)

7.2. Channel selection in OSD

7.2.1. Channel select to computer

Use the **<Up>** and **<Down>** arrow keys to highlight a computer and then press **<Enter>** to select it and leave the OSD menu. A banner with the channel name will appear on the upper-left corner of the screen.

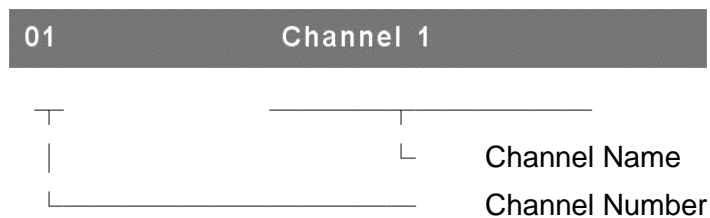


Fig. 17: Channel Banner (Single Layer)

7.2.2. Channel select in cascade port

A plus mark (+) showing to the left of the channel name indicates that this port has been cascaded. Pressing **<Enter>** on this channel will enter one level down in the chain. The screen will then display a list of all the computers connected to that slave KVM.

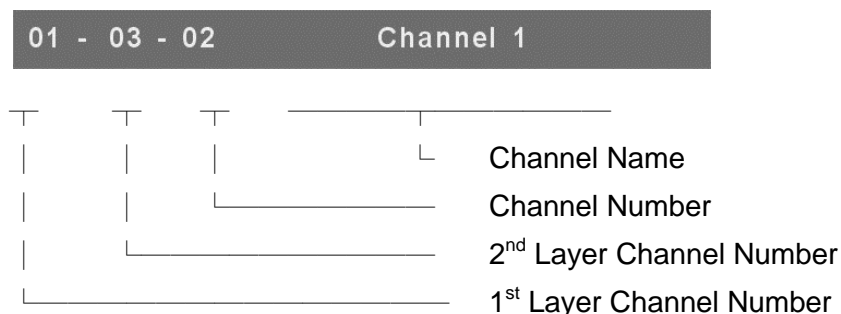


Fig. 18: Channel Banner (Cascade Layer)

7.2.3. Return from cascade port

After expanding a cascade port, pressing **<R>** will bring you back to the upper layer in the OSD menu.

7.3. Setup in OSD: <F1>

Pressing <F1> in the OSD main menu brings up a list of basic settings. You may use the <Up> and <Down> arrow keys to select the item from the list that you want to change, and use the <Left> or <Right> arrow key to change that setting. Press <ESC> to exit and save your settings.

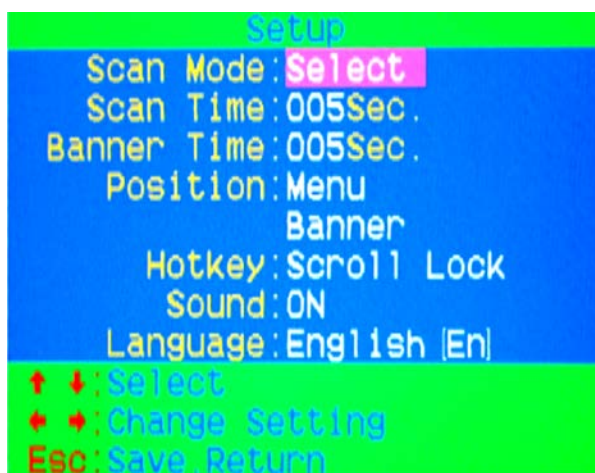


Figure 19: OSD Setup

7.3.1. Scan Mode

- **Select:**
Only scan the channels marked with an **S** in the **STA** column in the OSD main menu.
- **PC ON:**
Scan all active channels.

7.3.2. Scan Time

The default scan time is 5 seconds. The scan time can be increased by 5 second increments up to a maximum of 90 seconds.

7.3.3. Banner Time

The default banner display time is 5 seconds. This can be changed to 10 seconds, 15 seconds or always on (∞).

7.3.4. Position

- **Menu:**
Use the four arrow keys to move the OSD main menu into the desired position. Press <ESC> to save the changes to the menu position.

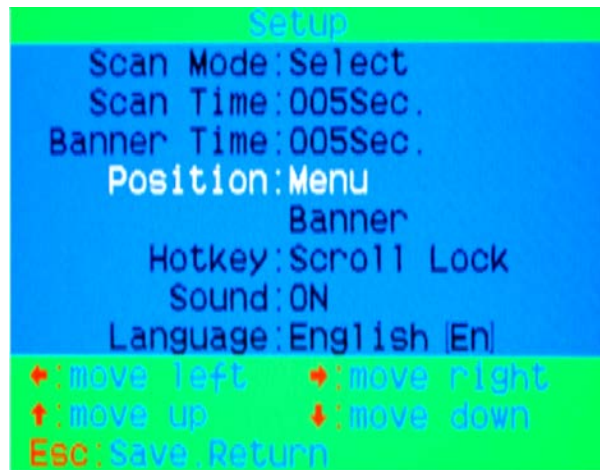


Figure 20: Menu Position Setup

- **Banner:**
Use the four arrow keys to move the channel banner into the desired position. Press **<ESC>** to save the changes to the banner position.



Figure 21: Banner Position Setup

7.3.5. Hotkey

- **Scroll Lock:** **<Scroll Lock>** becomes the leading hotkey.
- **Num Lock:** **<Num Lock>** becomes the leading hotkey.
- **Caps Lock:** **<Caps Lock>** becomes the leading hotkey.

Note: You can also change the leading hotkey using the **<CTRL>** → **<CTRL>** → **<New Hotkey>** → **<Enter>** sequence outside of OSD mode. Please refer to section **6.2 Leading Hotkey Select**.

7.3.6. Sound

- **ON:** Buzzer sound enabled.
- **OFF:** Buzzer sound disabled.

Note: You can also enable/disable the buzzer sound via hotkey using **<Scroll Lock>** → **<Scroll Lock>** → **** → **<Enter>** outside of OSD mode. Please refer to section **6.5 Buzzer sound Disable / Enable**.

7.3.7. Language

The 3 available languages are English (En) / Deutsch (De) / Français (Fr).

7.4. Auto-Scan in OSD: <F2>

7.4.1. Start to Auto-Scan in OSD

To start auto-scanning, press <F2> in the OSD main menu. The auto-scan banner will appear, displaying the channel currently being scanned.

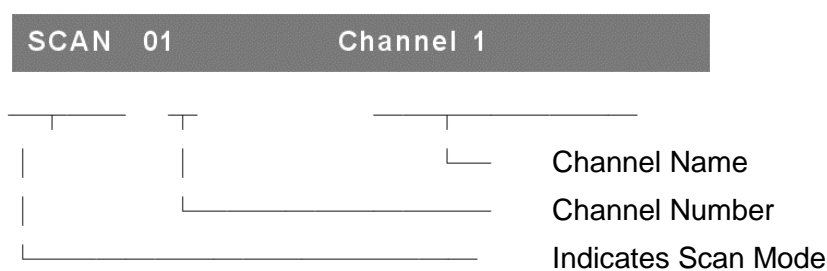


Figure 22: Auto-Scan Banner

Note: You can also start the auto-scan function via hotkey using <Scroll Lock> → <Scroll Lock> → <S> → <Enter> outside of OSD mode. Please refer to section 6.6.1 Start Auto-Scan Function.

7.4.2. Stop Auto-Scan

Press any key on the keyboard to **STOP** the auto-scan function. The auto-scan banner will disappear when the scan stops.

7.4.3. Auto-Scan Mode

There are two auto-scan modes. Please refer to section 7.3.1 Setup in OSD – Scan Mode to set up the auto-scan mode.

- Scan all active connected computers.
- Only scan computers which are marked for auto-scanning.

7.4.4. Auto-Scan Time Interval

The auto-scan time interval of each displayed port can be adjusted by pressing <F1> in the OSD main menu. Please refer to section 7.3.2 Setup in OSD – Scan Time.

7.5. Console Lock in OSD: <F3>

If the security mode is enabled (by pressing <F5> in OSD mode, please refer to section 7.7 **Security Setup in OSD**), you can logout and lock the console by pressing <F3> while in OSD mode. The **Console Lock Banner** will appear on the screen.



Figure 23: Console Lock Banner

The KVM will be locked until an authorized user logs back in.



Figure 24: Unlock window

Note: You can also log out and lock the console outside of OSD mode via hotkey using <Scroll Lock> → <Scroll Lock> → <H> → <Enter>. Please refer to section 6.7 **Console Lock**.

Note: If you forgot your password, the only way to manually disable the security function is to unlock the KVM by logging in using the universal password. Once you have access to the KVM again, you can update your password in the security settings menu. Please contact your agency / distributor to obtain the universal password.

7.6. Channel renaming: <F4>

Select the channel you wish to rename using the <Up> and <Down> arrow keys and press <F4> from within the OSD main menu. This will prompt the channel rename window where you can change the name of the channel. Press <Enter> to save the new channel name or press <ESC> to cancel.

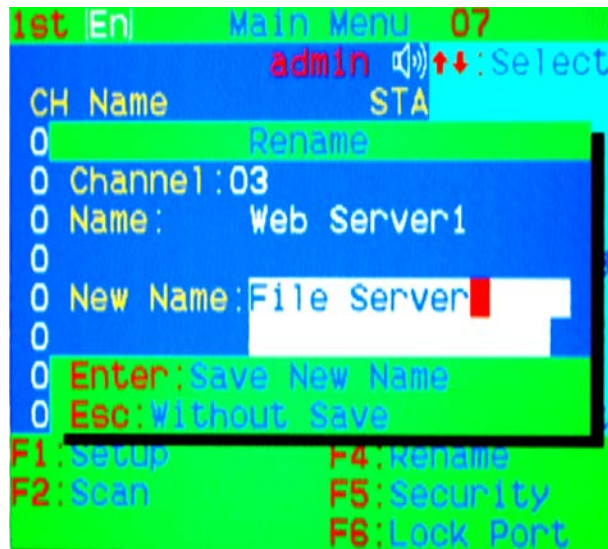


Figure 25: Channel rename window

7.7. Security Setup: <F5>

7.7.1. Security mode login

Press <F5> in the OSD main menu to access the security mode settings. In order to enter the security setup, you will first be asked to sign in with the administrator account.



Figure 26: Security mode login window

The default administrator account is:

User Name: admin
Password: 123456

After logging in, the security setup main window will appear on the screen. Here, you can select the security item you wish to change using the <Up> and <Down> arrow keys. To change a setting, press the <Left> or <Right> arrow key.



Figure 27: Security setup main window

7.7.2. Security Mode

To enable the security mode feature, move the highlight bar over **Security Mode** and press the **<Left>** or **<Right>** arrow key to change it. The **<F3> Console Lock**, **<F6> Port Lock**, and **user authority functions** can only be used when security mode is enabled.

7.7.3. Change Administrator Password

To change the administrator password, move the highlight bar over **Admin/Password** and press the **<Left>** or **<Right>** arrow key. The administrator password setup window will then pop up on the screen. Enter the new password twice and either press **<Enter>** to confirm or press **<ESC>** to cancel and return to the previous screen.

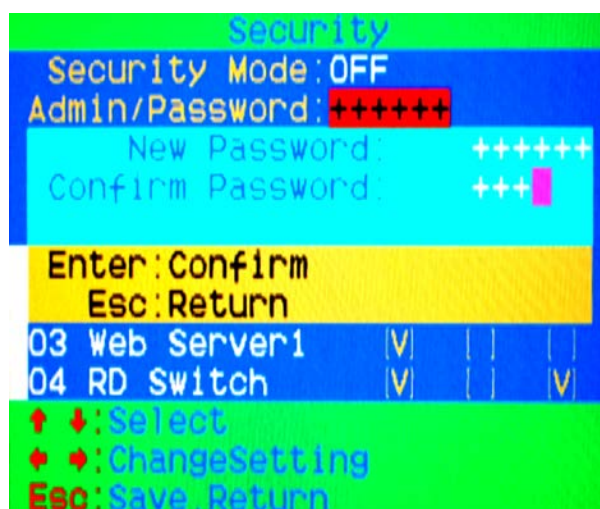


Figure 28: Administrator password setup window

7.7.4. Authorized user setup

Up to 3 authorized users can manage the KVM switch. To change the user name and password, move the highlight bar over the user name. Pressing the <Left> or <Right> arrow key will bring up the user name and password setup window on the screen. Here, you may enter the new user's name and password twice, then either press <Enter> to confirm or <ESC> to cancel.

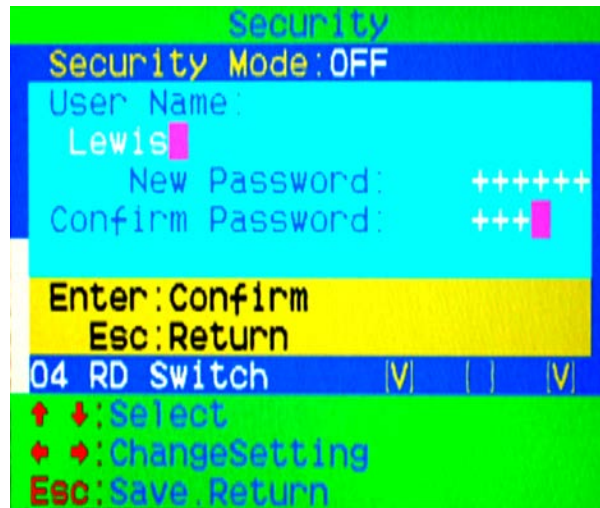


Figure 29: User name and password setup window

7.7.5. User Authority Setup

You can manage the authority level for each user. Specific users have different access rights for each channel. To change the access rights for each channel, move the highlight bar over the channel and press <A>, <1>, <2> or <3> to set up the channel access rights for all users or for a specific user. You are not required to manage the authority settings for the administrator since the administrator already has full access to all channels.



Figure 30: User authority setup window

7.8. Lock Port: <F6>

7.8.1. Lock Port

Only the administrator can lock ports. To lock a channel, move the highlight bar over the channel you wish to lock and press <F6>. A red **L** will appear in the **STA** column next to the locked port.



Figure 31: Locking ports in the OSD main window

7.8.2. Channel Selection of the Locked Port

If any other user selects a locked port either by front panel push-button or by hotkey sequence, the system will automatically enter OSD mode and wait for the administrator to unlock the port.

7.8.3. Unlock Port

You can only unlock a port by logging in as the administrator. After logging in as the administrator, the red **L** mark in the **STA** column will disappear.

7.9. Exit OSD: <ESC>

Press <ESC> to exit OSD mode and return to the selected computer. A banner with the channel name will appear on the upper-left corner of the screen.

8. Sun Microsystems Function Key Emulation:

There are 16 special function keys on the Sun Microsystems keyboard. The Combo Free KVM Switch can emulate these function keys using a PS/2 and/or USB keyboard.

Please refer to the table shown below for the Sun Microsystems keyboard special functions.

To emulate these functions on a PS/2 and/or USB keyboard, first press and hold the **<Left Windows>** key (this key is usually located between the **<Left CTRL>** and **<Left ALT>** keys), then press the second key (Sun Microsystems Function Key). Be sure not to release the **<Left Windows>** key when pressing the second key.

Sun Microsystems Function Key	USB or PS/2 Keyboard
Stop	L_Win & L_ALT
Props	L_Win & L_CTRL
Compose	L_Win & L_Shift
Front	L_Win & F1
Open	L_Win & F2
Find	L_Win & F3
Again	L_Win & F4
Undo	L_Win & F5
Copy	L_Win & F6
Paste	L_Win & F7
Cut	L_Win & F8
Help	L_Win & F11
Power	L_Win & F12
Mute	L_Win & 1
Volume Down	L_Win & 2
Volume UP	L_Win & 3

9. Troubleshooting:

Symptom	Possible Cause	Recommended Solution
The keyboard and/or mouse is not working or freeze.	The keyboard and/or mouse need to be reset	Unplug the keyboard and/or mouse from the console port(s) and then plug it / them back into the console.
	Failed connection to the computer.	Check the cable connecting the KVM switch to the computer and make sure it is connected properly.
	The KVM Switch needs to be reset	Reset the device using the Reset button on the front panel or power off all devices and then power them up again.
The Master/ Slave daisy chain doesn't work	Incorrect configuration or incorrect installation procedures	Make sure the Slave KVM console is connected to the Master KVM's PC port. Remove all power supplies to the Slave KVM (unplug all cables) before connecting it to the Master KVM.
Double OSD images when using a cascade configuration	Improper slave connection procedure.	Remove all power supplies to the Slave (unplug all cables) before connecting it to the Master.
	Failed connection between KVMs	Make sure the cable from the Slave console to the Master port is properly connected.
The OSD menu is not in the proper position	Because the OSD menu has a fixed resolution, its size and position vary depending on the output resolution of the monitor	Use the Position setting in the OSD basic options menu (press <F1> in the OSD main menu) to manually reposition the interface.

10. Firmware Upgrade Procedures

Future updates may be released to improve the functionality of this KVM switch. You can check if new updates are available for your product by visiting <http://support.dlink.com>. This KVM switch provides firmware upgrades for the following functions:

- **USB console:** Updates for USB console keyboard/mouse compatibility. The firmware filename for the USB console will be labeled like **Dlink_KVM_Vxxx_bx.USB**.
- **PS/2 console:** Updates for PS/2 console keyboard/mouse compatibility. The firmware filename for the PS/2 console will be labeled like **Dlink_KVM_Vxxx_bx.PS2**.
- **OSD:** Updates for on-screen-display functions. The firmware filename for the OSD will be labeled like **Dlink_KVM_Vxxx_bx.OSD**.

To update the firmware, please do the following:

1. Disconnect all cables connecting the KVM to the computers.
2. Disconnect all keyboards and mice plugged into the KVM console.
3. Disconnect the display monitor from the KVM console.
4. Connect the DC 5V power adapter to the KVM.



Figure 32

5. On a different computer, run the firmware update utility labeled **KVM_UTILITY_V1.00.EXE** which can be found on the included CD.

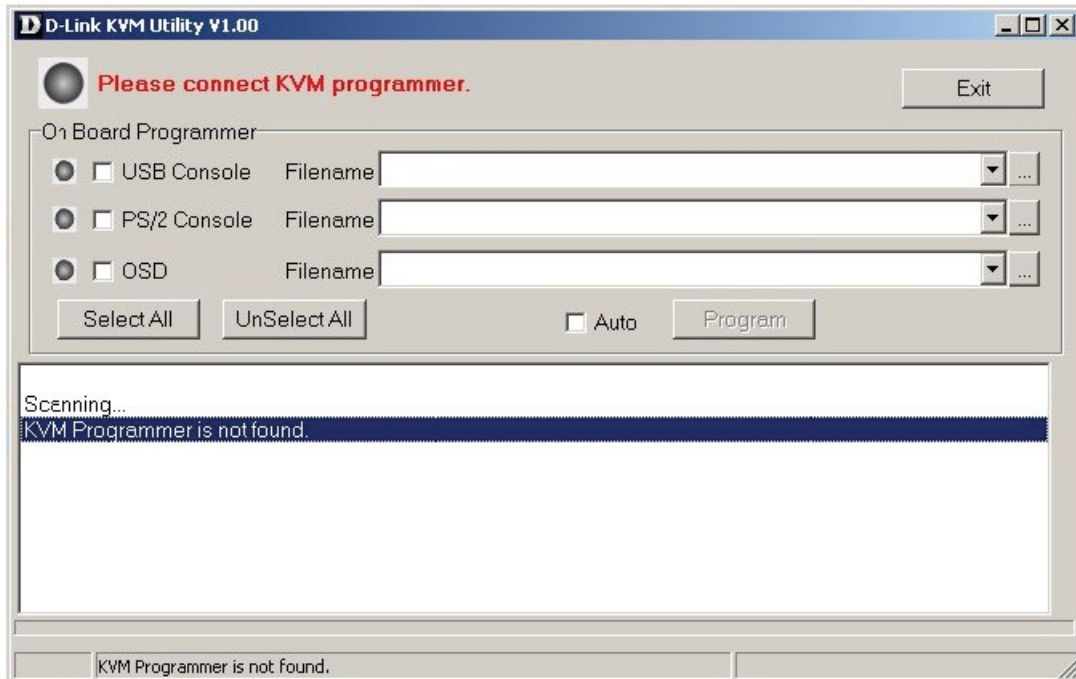


Figure 33

6. Next, use a mini-USB cable to connect the KVM firmware upgrade port to the USB port of the computer running the firmware update utility.



Figure 34

7. The utility will automatically scan for the KVM programmer.

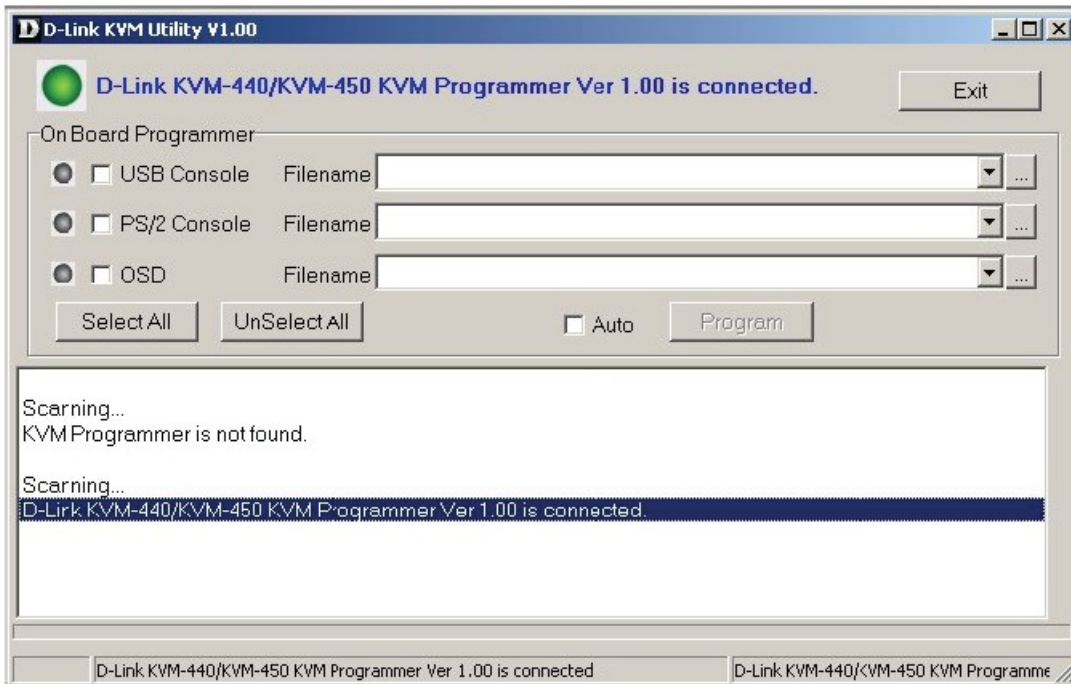


Figure 35

8. Mark the checkbox next to each component you wish to update (in this example, the USB Console), and click the File Browser button “...” to locate the appropriate firmware file.

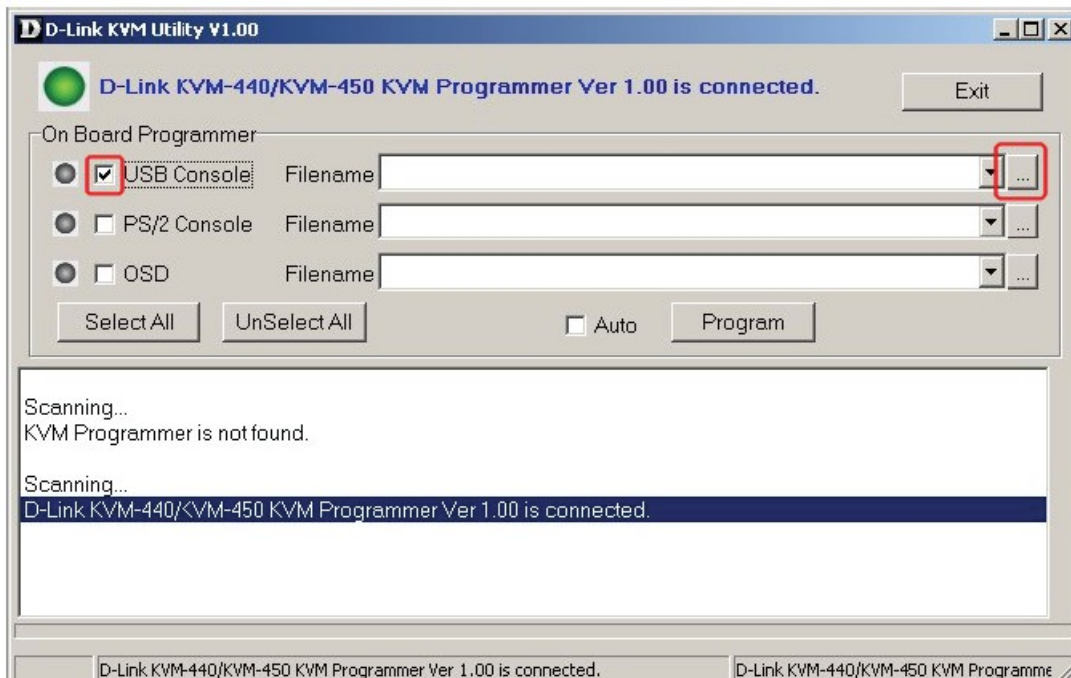


Figure 36

- Browse to the folder where the firmware file is saved, then select the firmware file to be loaded and click **Open**.

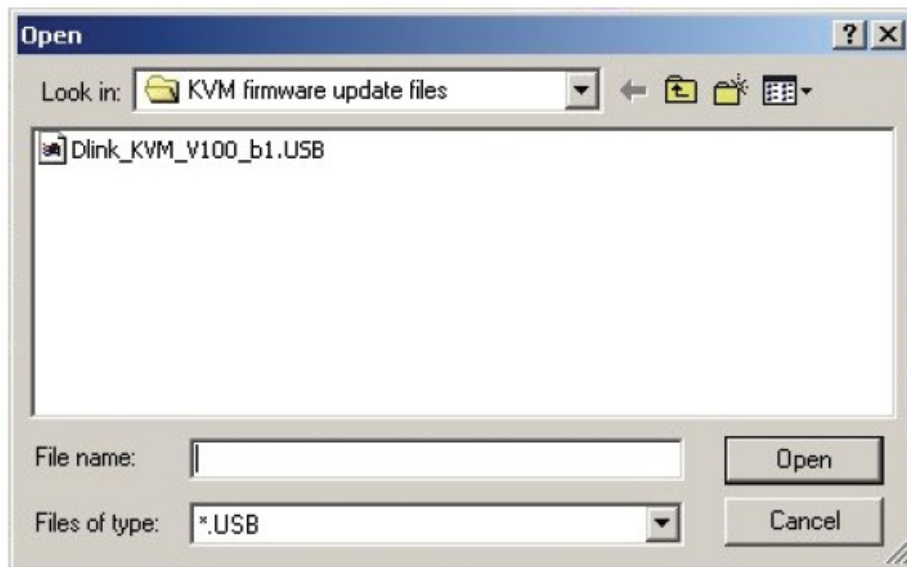


Figure 37

- Click the **Program** button to start programming the firmware.

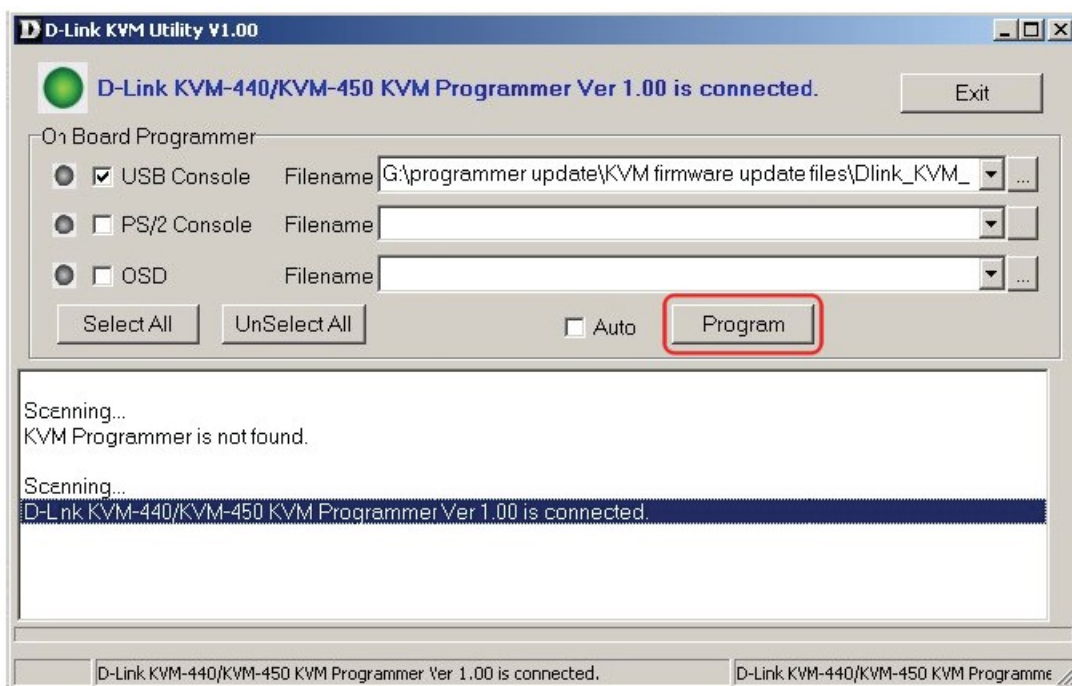


Figure 38

- A status bar will appear at the bottom of the panel showing the update progress.

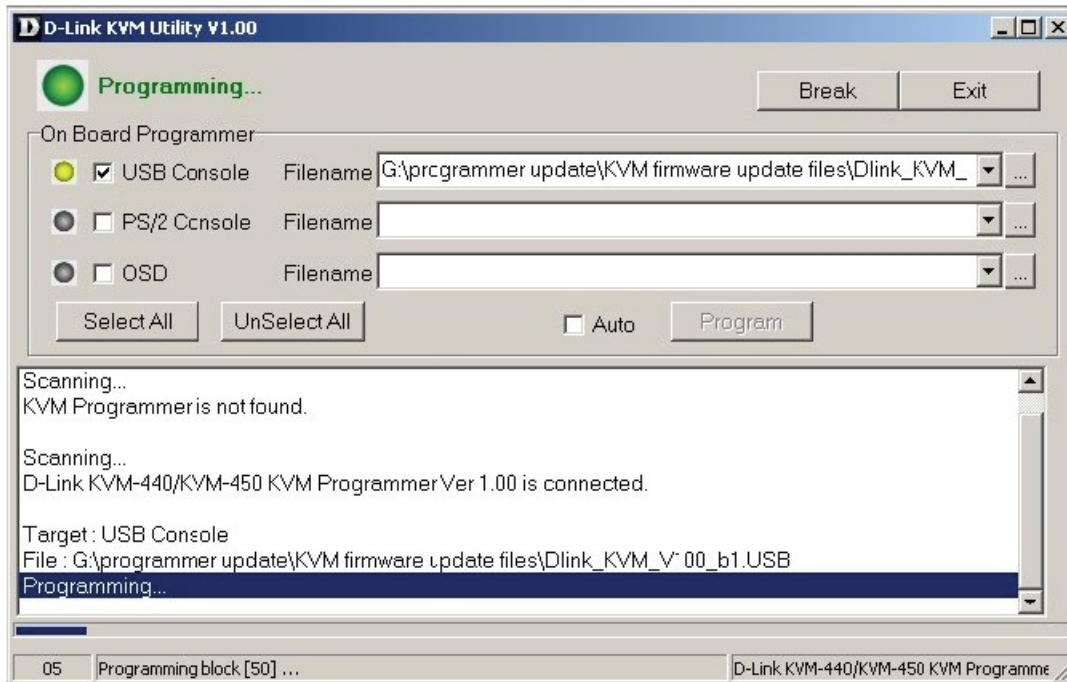


Figure 39

12. The utility will display the following message to indicate that the firmware has been successfully updated.

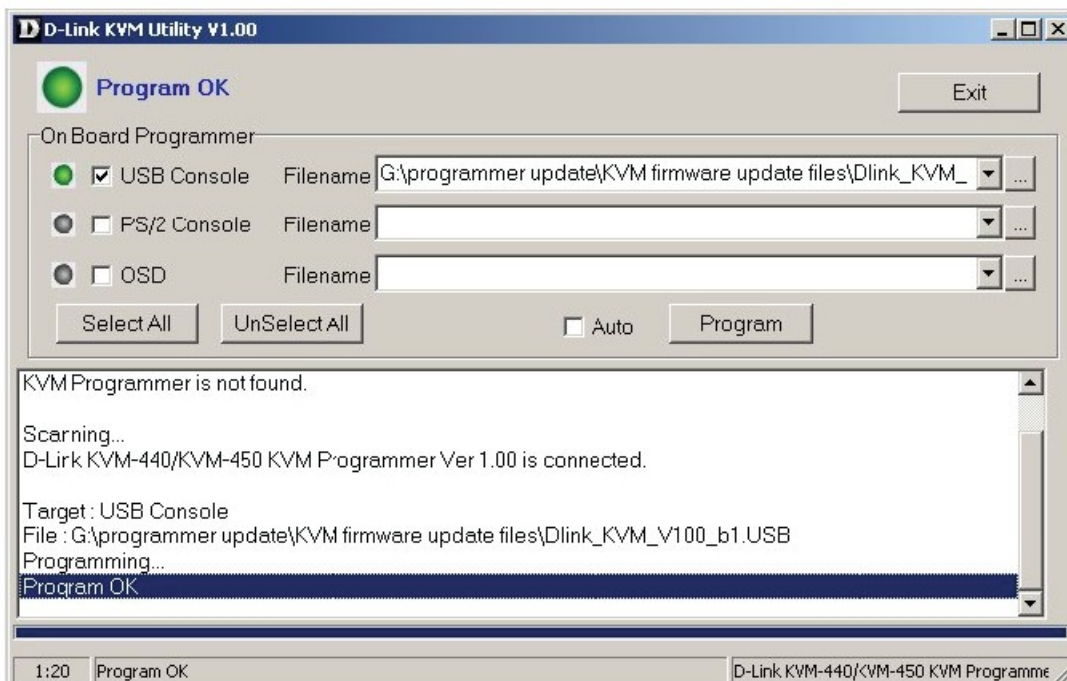


Figure 40

13. Unplug the power adapter for a moment and then plug it back in to restart the device.

11. SAFETY STATEMENTS

SAFETY STATEMENTS

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Non-modification Statement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CE EMI Class A Warning

Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.



SAFETY INSTRUCTIONS

Please adhere to the following safety guidelines to help ensure your own personal safety and protect your system from potential damage. Any acts taken that are inconsistent with ordinary use of the product, including improper testing, etc., and those not expressly approved by D-Link may result in the loss of product warranty. Unless expressly approved by an authorized representative of D-Link in writing, you may not and may not permit others to:

- Disassemble or reverse engineer the device or attempt to derive source code (underlying ideas, algorithms, or structure) from the device or from any other information provided by D-Link, except to the extent that this restriction is expressly prohibited by local law.
- Modify or alter the device.
- Remove from the device any product identification or other notices, including copyright notices and patent markings, if any.

To reduce the risk of bodily injury, electrical shock, fire, and damage to the device and other equipment, observe the following precautions:

Power Sources

- Observe and follow service markings.
- Do not push any objects into the openings of your device unless consistent with the authorized operation of the device. Doing so can cause a fire or an electrical shock by shorting out interior components.
- The powering of this device must adhere to the power specifications indicated for this product.
- Do not overload wall outlets and/or extension cords as this will increase the risk of fire or electrical shock.
- Do not rest anything on the power cord or on the device (unless the device is made and expressly approved as suitable for stacking).
- Position system cables and power cables carefully; route cables so that they cannot be stepped on or tripped over. Be sure that nothing rests on any cables.
- Operate the device only from the type of external power source indicated on the electrical ratings label.
- To help avoid damaging your device, be sure the voltage selection switch (if provided) on the power supply is set to match the power available at your location.
- Also be sure that attached devices are electrically rated to operate with the power available in your location.
- Use only approved power cable(s). If you have not been provided a power cable

for your device or for any AC -powered option intended for your device, purchase a power cable that is approved for use in your country and is suitable for use with your device. The power cable must be rated for the device and for the voltage and current marked on the device's electrical ratings label. The voltage and current rating of the cable should be greater than the ratings marked on the device.

- To help prevent an electrical shock, plug the device and peripheral power cables into properly grounded electrical outlets. These cables are equipped with three-prong plugs to help ensure proper grounding. Do not use adapter plugs or remove the grounding prong from a cable. If you must use an extension cable, use a 3-wire cable with properly grounded plugs.
- Observe extension cable and power strip ratings. Ensure that the total ampere rating of all products plugged into the extension cable or power strip does not exceed 80 percent of the ampere ratings limit for the extension cable or power strip.
- To help protect your device from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner, or uninterruptible power supply (UPS).
- Do not modify power cables or plugs. Consult a licensed electrician or your power company for site modifications. Always follow your local/national wiring rules.
- When connecting or disconnecting power to hot-pluggable power supplies, if offered with your device, observe the following guidelines.
- Install the power supply before connecting the power cable to the power supply.
- Unplug the power cable before removing the power supply.
- If the system has multiple sources of power, disconnect power from the device by unplugging all power cables from the power supplies.

Servicing/Disassembling

- Do not service any product except as expressly set forth in your system documentation.
- Opening or removing covers that are marked with the triangular symbol with a lightning bolt may expose you to an electrical shock. Only a trained service technician should service components inside these compartments.
- To reduce the risk of electrical shock, never disassemble this device. None of its internal parts are user-replaceable; therefore, there is no reason to access the interior.
- Do not spill food or liquids on your system components, and never operate the device in a wet environment. If the device gets wet, see the appropriate section

in your troubleshooting guide or contact your trained service provider.

- Use the device only with approved equipment.
- Move products with care; ensure that all casters and/or stabilizers are firmly connected to the system. Avoid sudden stops and uneven surfaces.

Environment

- Do not use this device near water (e.g. near a bathtub, sink, laundry tub, fish tank, in a wet basement or near a swimming pool).
- Do not use this device in areas with high humidity.
- This device must not be subjected to water or condensation.
- Keep your device away from radiators and heat sources. Also, do not block cooling vents.

Cleaning

- Always unplug the power before cleaning this device.
- Do not use liquid or aerosol cleaners of any kind. Use only compressed air that is recommended for electronic devices.
- Use a dry cloth for cleaning.

Protecting Against Electrostatic Discharge

Static electricity can harm delicate components inside your system. To prevent static damage, discharge static electricity from your body before you touch any of the electronic components, such as the microprocessor. You can do so by periodically touching an unpainted metal surface on the chassis.

You can also take the following steps to help prevent damage from electrostatic discharge (ESD):

1. When unpacking a static-sensitive component from its shipping carton, do not remove the component from the antistatic packing material until you are ready to install the component in your system. Just before unwrapping the antistatic packaging, be sure to discharge static electricity from your body.
2. When transporting a sensitive component, first place it in an antistatic container or packaging.
3. Handle all sensitive components in a static-safe area. If possible, use antistatic floor pads, workbench pads, and an antistatic grounding strap.

Environmental

This product may contain a battery. Recycle or dispose of batteries in accordance with the battery manufacturer's instructions and local/national disposal and recycling regulations. For more information, please refer to the warranty guide.

Disposing and recycling your product



ENGLISH



This symbol on the product or packaging means that according to local laws and regulations this product should be not be disposed of in the household waste but sent for recycling. Please take it to a collection point designated by your local authorities once it has reached the end of its life, some will accept products for free. By recycling the product and its packaging in this manner you help to conserve the environment and protect human health.

EN

D-Link and the environment

At D-Link, we understand and are committed to reducing any impact our operations and products may have on the environment. To minimise this impact D-Link designs and builds its products to be as environmentally friendly as possible, by using recyclable, low toxic materials in both products and packaging.

D-Link recommends that you always switch off or unplug your D-Link products when they are not in use. By doing so you will help to save energy and reduce CO2 emissions.

To learn more about our environmentally responsible products and packaging please visit www.dlinkgreen.com.

DEUTSCH



Dieses Symbol auf dem Produkt oder der Verpackung weist darauf hin, dass dieses Produkt gemäß bestehender örtlicher Gesetze und Vorschriften nicht über den normalen Hausmüll entsorgt werden sollte, sondern einer Wiederverwertung zuzuführen ist. Bringen Sie es bitte zu einer von Ihrer Kommunalbehörde entsprechend amtlich ausgewiesenen Sammelstelle, sobald das Produkt das Ende seiner Nutzungsdauer erreicht hat. Für die Annahme solcher Produkte erheben einige dieser Stellen keine Gebühren. Durch ein auf diese Weise durchgeführtes Recycling des Produkts und seiner Verpackung helfen Sie, die Umwelt zu schonen und die menschliche Gesundheit zu schützen.

D-Link und die Umwelt

D-Link ist sich den möglichen Auswirkungen seiner Geschäftstätigkeiten und seiner Produkte auf die Umwelt bewusst und fühlt sich verpflichtet, diese entsprechend zu mindern. Zu diesem Zweck entwickelt und stellt D-Link seine Produkte mit dem Ziel größtmöglicher Umweltfreundlichkeit her und verwendet wiederverwertbare, schadstoffarme Materialien bei Produktherstellung und Verpackung.

D-Link empfiehlt, Ihre Produkte von D-Link, wenn nicht in Gebrauch, immer auszuschalten oder vom Netz zu nehmen. Auf diese Weise helfen Sie, Energie zu sparen und CO₂-Emissionen zu reduzieren.

Wenn Sie mehr über unsere umweltgerechten Produkte und Verpackungen wissen möchten, finden Sie entsprechende Informationen im Internet unter www.dlinkgreen.com.

FRANÇAIS



Ce symbole apposé sur le produit ou son emballage signifie que, conformément aux lois et réglementations locales, ce produit ne doit pas être éliminé avec les déchets domestiques mais recyclé. Veuillez le rapporter à un point de collecte prévu à cet effet par les autorités locales; certains accepteront vos produits gratuitement. En recyclant le produit et son emballage de cette manière, vous aidez à préserver l'environnement et à protéger la santé de l'homme.

DE

FR

D-Link et l'environnement

Chez D-Link, nous sommes conscients de l'impact de nos opérations et produits sur l'environnement et nous engageons à le réduire. Pour limiter cet impact, D-Link conçoit et fabrique ses produits de manière aussi écologique que possible, en utilisant des matériaux recyclables et faiblement toxiques, tant dans ses produits que ses emballages.

D-Link recommande de toujours éteindre ou débrancher vos produits D-Link lorsque vous ne les utilisez pas. Vous réaliserez ainsi des économies d'énergie et réduirez vos émissions de CO2.

Pour en savoir plus sur les produits et emballages respectueux de l'environnement, veuillez consulter le www.dlinkgreen.com.

ESPAÑOL



Este símbolo en el producto o el embalaje significa que, de acuerdo con la legislación y la normativa local, este producto no se debe desechar en la basura doméstica sino que se debe reciclar. Llévelo a un punto de recogida designado por las autoridades locales una vez que ha llegado al fin de su vida útil; algunos de ellos aceptan recogerlos de forma gratuita. Al reciclar el producto y su embalaje de esta forma, contribuye a preservar el medio ambiente y a proteger la salud de los seres humanos.

ES

D-Link y el medio ambiente

En D-Link, comprendemos y estamos comprometidos con la reducción del impacto que puedan tener nuestras actividades y nuestros productos en el medio ambiente. Para reducir este impacto, D-Link diseña y fabrica sus productos para que sean lo más ecológicos posible, utilizando materiales reciclables y de baja toxicidad tanto en los productos como en el embalaje.

D-Link recomienda apagar o desenchufar los productos D-Link cuando no se estén utilizando. Al hacerlo, contribuirá a ahorrar energía y a reducir las emisiones de CO2.

Para obtener más información acerca de nuestros productos y embalajes ecológicos, visite el sitio www.dlinkgreen.com.

ITALIANO



La presenza di questo simbolo sul prodotto o sulla confezione del prodotto indica che, in conformità alle leggi e alle normative locali, questo prodotto non deve essere smaltito nei rifiuti domestici, ma avviato al riciclo. Una volta terminato il ciclo di vita utile, portare il prodotto presso un punto di raccolta indicato dalle autorità locali. Alcuni questi punti di raccolta accettano gratuitamente i prodotti da riciclare. Scegliendo di riciclare il prodotto e il relativo imballaggio, si contribuirà a preservare l'ambiente e a salvaguardare la salute umana.

IT

D-Link e l'ambiente

D-Link cerca da sempre di ridurre l'impatto ambientale dei propri stabilimenti e dei propri prodotti. Allo scopo di ridurre al minimo tale impatto, D-Link progetta e realizza i propri prodotti in modo che rispettino il più possibile l'ambiente, utilizzando materiali riciclabili a basso tasso di tossicità sia per i prodotti che per gli imballaggi.

D-Link raccomanda di spegnere sempre i prodotti D-Link o di scollegarne la spina quando non vengono utilizzati. In questo modo si contribuirà a risparmiare energia e a ridurre le emissioni di anidride carbonica.

Per ulteriori informazioni sui prodotti e sugli imballaggi D-Link a ridotto impatto ambientale, visitate il sito all'indirizzo www.dlinkgreen.com.

NEDERLANDS



Dit symbool op het product of de verpakking betekent dat dit product volgens de plaatselijke wetgeving niet mag worden weggegooid met het huishoudelijk afval, maar voor recyclage moeten worden ingeleverd. Zodra het product het einde van de levensduur heeft bereikt, dient u het naar een inzamelpunt te brengen dat hiertoe werd aangeduid door uw plaatselijke autoriteiten, sommige autoriteiten accepteren producten zonder dat u hiervoor dient te betalen.

Door het product en de verpakking op deze manier te recyclen helpt u het milieu en de gezondheid van de mens te beschermen.

NL

D-Link en het milieu

Bij D-Link spannen we ons in om de impact van onze handelingen en producten op het milieu te beperken. Om deze impact te beperken, ontwerpt en bouwt D-Link zijn producten zo milieuvriendelijk mogelijk, door het gebruik van recycleerbare producten met lage toxiciteit in product en verpakking.

D-Link raadt aan om steeds uw D-Link producten uit te schakelen of uit de stekker te halen wanneer u ze niet gebruikt. Door dit te doen bespaart u energie en beperkt u de CO2-emissies.

Breng een bezoek aan www.dlinkgreen.com voor meer informatie over onze milieuverantwoorde producten en verpakkingen.

POLSKI



PL

Ten symbol umieszczony na produkcie lub opakowaniu oznacza, że zgodnie z miejscowym prawem i lokalnymi przepisami niniejszego produktu nie wolno wyrzucać jak odpady czy śmieci z gospodarstwa domowego, lecz należy go poddać procesowi recyklingu. Po zakończeniu użytkowania produktu, niektóre odpowiednie do tego celu podmioty przyjmą takie produkty nieodpłatnie, dlatego prosimy dostarczyć go do punktu zbiórki wskazanego przez lokalne władze.

Poprzez proces recyklingu i dzięki takiemu postępowaniu z produktem oraz jego opakowaniem, pomogą Państwo chronić środowisko naturalne i dbać o ludzkie zdrowie.

D-Link i środowisko

W D-Link podchodzimy w sposób świadomy do ochrony otoczenia oraz jesteśmy zaangażowani w zmniejszanie wpływu naszych działań i produktów na środowisko naturalne. W celu zminimalizowania takiego wpływu firma D-Link konstruuje i wytwarza swoje produkty w taki sposób, aby były one jak najbardziej przyjazne środowisku, stosując do tych celów materiały nadające się do powtórnego wykorzystania, charakteryzujące się małą toksycznością zarówno w przypadku samych produktów jak i opakowań.

Firma D-Link zaleca, aby Państwo zawsze prawidłowo wyłączali z użytku swoje

produkty D-Link, gdy nie są one wykorzystywane. Postępując w ten sposób pozwalają Państwo oszczędzać energię i zmniejszać emisje CO₂.

Aby dowiedzieć się więcej na temat produktów i opakowań mających wpływ na środowisko prosimy zapoznać się ze stroną internetową www.dlinkgreen.com.

ČESKY



Tento symbol na výrobku nebo jeho obalu znamená, že podle místně platných předpisů se výrobek nesmí vyhazovat do komunálního odpadu, ale odeslat k recyklaci. Až výrobek doslouží, odneste jej prosím na sběrné místo určené místními úřady k tomuto účelu. Některá sběrná místa přijímají výrobky zdarma. Recyklací výrobku i obalu pomáháte chránit životní prostředí i lidské zdraví.

CZ

D-Link a životní prostředí

Ve společnosti D-Link jsme si vědomi vlivu našich provozů a výrobků na životní prostředí a snažíme se o minimalizaci těchto vlivů. Proto své výrobky navrhujeme a vyrábíme tak, aby byly co nejekologičtější, a ve výrobcích i obalech používáme recyklovatelné a nízkotoxické materiály.

Společnost D-Link doporučuje, abyste své výrobky značky D-Link vypnuli nebo vytáhli ze zásuvky vždy, když je nepoužíváte. Pomůžete tak šetřit energii a snížit emise CO₂.

Více informací o našich ekologických výrobcích a obalech najdete na adrese www.dlinkgreen.com.

MAGYAR



Ez a szimbólum a terméken vagy a csomagoláson azt jelenti, hogy a helyi törvényeknek és szabályoknak megfelelően ez a termék nem semmisíthető meg a háztartási hulladékkal együtt, hanem újrahasznosításra kell küldeni. Kérjük, hogy a termék élettartamának elteltét követően vigye azt a helyi hatóság által kijelölt gyűjtőhelyre. A termékek egyes helyeken ingyen elhelyezhetők. A termék és a csomagolás újrahasznosításával segíti védeni a környezetet és az emberek egészségét.

HU

A D-Link és a környezet

A D-Linknél megértjük és elköteleztük magunkat a műveleteink és termékeink környezetre gyakorolt hatásainak csökkentésére. Az ezen hatás csökkentése érdekében a D-Link a lehető leginkább környezetbarát termékeket tervez és gyárt azáltal, hogy újrahasznosítható, alacsony károsanyag-tartalmú termékeket gyárt és csomagolásokat alkalmaz.

A D-Link azt javasolja, hogy mindig kapcsolja ki vagy húzza ki a D-Link termékeket a tápforrásból, ha nem használja azokat. Ezzel segít az energia megtakarításában és a széndioxid kibocsátásának csökkentésében.

Környezetbarát termékeinkről és csomagolásainkról további információkat a www.dlinkgreen.com weboldalon tudhat meg.

NORSK



NO

Dette symbolet på produktet eller forpakningen betyr at dette produktet ifølge lokale lover og forskrifter ikke skal kastes sammen med husholdningsavfall, men leveres inn til gjenvinning.

Vennligst ta det til et innsamlingssted anvist av lokale myndigheter når det er kommet til slutten av levetiden. Noen steder aksepteres produkter uten avgift. Ved på denne måten å gjenvinne produktet og forpakningen hjelper du å verne miljøet og beskytte folks helse.

D-Link og miljøet

Hos D-Link forstår vi oss på og er forpliktet til å minske innvirkningen som vår drift og våre produkter kan ha på miljøet. For å minimalisere denne innvirkningen designer og lager D-Link produkter som er så miljøvennlig som mulig, ved å bruke resirkulerbare, lav-toksiske materialer både i produktene og forpakningen.

D-Link anbefaler at du alltid slår av eller frakobler D-Link-produkter når de ikke er i bruk. Ved å gjøre dette hjelper du å spare energi og å redusere CO2-utslipp.

For mer informasjon angående våre miljøansvarlige produkter og forpakninger kan du gå til www.dlinkgreen.com.

DANSK



Dette symbol på produktet eller emballagen betyder, at dette produkt i henhold til lokale love og regler ikke må bortskaffes som husholdningsaffald, mens skal sendes til genbrug. Indlever produktet til et indsamlingssted som angivet af de lokale myndigheder, når det er nået til slutningen af dets levetid. I nogle tilfælde vil produktet blive modtaget gratis. Ved at indlevere produktet og dets emballage til genbrug på denne måde bidrager du til at beskytte miljøet og den menneskelige sundhed.

DK

D-Link og miljøet

Hos D-Link forstår vi og bestræber os på at reducere enhver indvirkning, som vores aktiviteter og produkter kan have på miljøet. For at minimere denne indvirkning designer og producerer D-Link sine produkter, så de er så miljøvenlige som muligt, ved at bruge genanvendelige materialer med lavt giftighedsniveau i både produkter og emballage.

D-Link anbefaler, at du altid slukker eller frakobler dine D-Link-produkter, når de ikke er i brug. Ved at gøre det bidrager du til at spare energi og reducere CO₂-udledningerne.

Du kan finde flere oplysninger om vores miljømæssigt ansvarlige produkter og emballage på www.dlinkgreen.com.

SUOMI



Tämä symboli tuotteen pakkauksessa tarkoittaa, että paikallisten lakien ja säännösten mukaisesti tätä tuotetta ei pidä hävittää yleisen kotitalousjätteen seassa vaan se tulee toimittaa kierrätettäväksi. Kun tuote on elinkaarensa päässä, toimita se lähimpään viranomaisten hyväksymään kierrätyspisteeseen. Kierrättämällä käytetyn tuotteen ja sen pakkauksen autat tukemaan sekä ympäristön että ihmisten terveyttä ja hyvinvointia.

FI

D-Link ja ympäristö

D-Link ymmärtää ympäristönsuojelun tärkeyden ja on sitoutunut vähentämään

tuotteistaan ja niiden valmistuksesta ympäristölle mahdollisesti aiheutuvia haittavaikutuksia. Nämä negatiiviset vaikutukset minimoidakseen D-Link suunnittelee ja valmistaa tuotteensa mahdollisimman ympäristöystävällisiksi käyttämällä kierrätettäviä, alhaisia pitoisuuksia haitallisia aineita sisältäviä materiaaleja sekä tuotteissaan että niiden pakkauksissa.

Suosittellemme, että irrotat D-Link-tuotteesi virtalähteestä tai sammutat ne aina, kun ne eivät ole käytössä. Toimimalla näin autat säästämään energiaa ja vähentämään hiilidioksiidipäästöjä.

Lue lisää ympäristöystävällisistä D-Link-tuotteista ja pakkauksistamme osoitteesta www.dlinkgreen.com.

SVENSKA



Den här symbolen på produkten eller förpackningen betyder att produkten enligt lokala lagar och föreskrifter inte skall kastas i hushållssoporna utan i stället återvinnas. Ta den vid slutet av dess livslängd till en av din lokala myndighet utsedd uppsamlingsplats, vissa accepterar produkter utan kostnad. Genom att på detta sätt återvinna produkten och förpackningen hjälper du till att bevara miljön och skydda människors hälsa.

SE

D-Link och miljön

På D-Link förstår vi och är fast beslutna att minska den påverkan våra verksamheter och produkter kan ha på miljön. För att minska denna påverkan utformar och bygger D-Link sina produkter för att de ska vara så miljövänliga som möjligt, genom att använda återvinningsbara material med låg gifthalt i både produkter och förpackningar.

D-Link rekommenderar att du alltid stänger av eller kopplar ur dina D-Link produkter när du inte använder dem. Genom att göra detta hjälper du till att spara energi och minska utsläpp av koldioxid.

För mer information om våra miljöansvariga produkter och förpackningar www.dlinkgreen.com.

PORTUGUÊS



PT

Este símbolo no produto ou embalagem significa que, de acordo com as leis e regulamentações locais, este produto não deverá ser eliminado juntamente com o lixo doméstico mas enviado para a reciclagem. Transporte-o para um ponto de recolha designado pelas suas autoridades locais quando este tiver atingido o fim da sua vida útil, alguns destes pontos aceitam produtos gratuitamente. Ao reciclar o produto e respectiva embalagem desta forma, ajuda a preservar o ambiente e protege a saúde humana.

A D-Link e o ambiente

Na D-Link compreendemos e comprometemo-nos com a redução do impacto que as nossas operações e produtos possam ter no ambiente. Para minimizar este impacto a D-Link concebe e constrói os seus produtos para que estes sejam o mais inofensivos para o ambiente possível, utilizando materiais recicláveis e não tóxicos tanto nos produtos como nas embalagens.

A D-Link recomenda que desligue os seus produtos D-Link quando estes não se encontrarem em utilização. Com esta acção ajudará a poupar energia e reduzir as emissões de CO2.

Para saber mais sobre os nossos produtos e embalagens responsáveis a nível ambiental visite www.dlinkgreen.com.