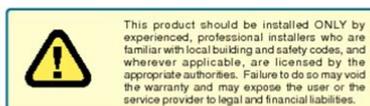


Dwl-2700Ap Manual

D-Link AirPremier™
DWL-2700AP
Outdoor 802.11g
Wireless Access Point

Manual



D-Link
Building Networks for People

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Book Descriptions:

Dwl-2700Ap Manual

Table of Contents. Package Contents. 5. Minimum System Requirements. 5. Introduction. 6. Features and Benefits. 8. Wireless Basics. 9. Standardsbased Technology. 10. Installation Considerations. 11. Getting Started. 13. Connecting To a PoE Power over Ethernet Network. 14. Using the Configuration Menu. 15. DLink Systems, Inc.Using the AP Manager. 57. Discovering Devices. 57. Selecting Devices. 58. IP Configuration. 58. Device Configuration. 59. Configuration Files. 87. Firmware. 89. System Settings. 90. Refresh. 91. About. 91. Using the Console Port. 92. Networking Basics. 95. Naming Your Computer. 102. DLink Systems, Inc.Checking the Wireless Connection by Pinging. 110. Troubleshooting. 111. High Gain External Antenna Optional. 117. Technical Specifications. 118. Technical Support. 121. Warranty. 122. Registration. 129. DLink Systems, Inc.Package Contents. Package ContentsNote Using a power supply with a different voltage than the one included with the. DWL2700AP will cause damage and void the warranty for this product. If any of the above items are missing, please contact your reseller. Minimum System RequirementsDLink Systems, Inc.Introduction. Introduction. The DWL2700AP, a reliable highperformance wireless outdoor solution, is an idealDWL2700AP, bandwidthintensive applications like graphics or multimedia will benefitThe DWL2700AP is capable of operating in one of 3 different modes to meet yourThe DWL2700AP can operate as an access point, or in. WDS Wireless Distribution System with AP, or in WDS mode. Use less wiring, enjoy increased flexibility, save time and money with PoE Power over. Ethernet. With PoE, the DWL2700AP shares power and data over the CAT5 cable,An ideal solution for quickly creating and extending a wireless local area network WLANWPA is offered in two flavors Enterprise used for corporations, and Personal usedWPAPersonal and WPA2Personal is directed at home users who do not have theThe method of authentication.<http://www.hotel-lucca.info/userfiles/delonghi-microwave-manual-download.xml>

- **dwl-2700ap manual, d-link dwl-2700ap manual, dwl-2700ap manual, dwl-2100ap manual, dwl-2100ap manual, dwl-g700ap manuale.**

Once the preshared key is confirmed and satisfied on both the client and access point,The encryption method used is referred to as the Temporal Key. Integrity Protocol TKIP, which offers perpacket dynamic hashing. It also includes anWPA2Personal is far superior to WPAPersonal, because theEnvironmental factors may adversely affect wireless signal range. DLink Systems, Inc.Introduction. Introduction continued. WPAEnterprise and WPA2Enterprise is ideal for businesses that have existingManagement and security implementation can nowUtilizing 802.1x with a RADIUSWhen attempting toIf the new client isWPA2Enterprise isAdvanced Encryption Standard AES.Unfamiliar clients would be denied access. Operating System. You will need to use the same type of EAP protocol on all the devicesDLink Systems, Inc.Features and Benefits. Features and BenefitsWDS with AP; or WDS.IEEE 802.11b and 802.11g standards, the DWL2700AP can connect with existingSNMP v.3 for a better network management. Superior wireless AP managerA DLink DView module will be downloadableDView software.Environmental factors may adversely affect wireless signal range. DLink Systems, Inc.Wireless Basics. Wireless Basics. DLink wireless products are based on industry standards to provide easytouse andDLink wireless products will allow you to access the data youYou will be able to enjoy the freedom that wirelessA Wireless Local Area Network WLAN is a computer network that transmits andWLANs are used increasingly in bothIncreased mobility and the absence of cabling andWireless users can use the same applications they use on a wired network. WirelessEthernet adapter cards. People use WLAN technology for many different purposes. Mobility Productivity increases when people have access to data in any

locationManagement decisions based on realtimeLow Implementation Costs WLANs are easy to set up, manage, change and relocate. Networks that frequently change can benefit from WLANs ease of implementation.<http://karate.infotip.cz/userfiles/delonghi-ic-8500-manual.xml>

WLANs can operate in locations where installation of wiring may be impractical. Installation and Network Expansion Installing a WLAN system can be fast and easyWireless technologyInexpensive Solution Wireless network devices are as competitively priced asThe DWL2700AP saves money by providingScalability WLANs can be configured in a variety of ways to meet the needs ofConfigurations are easily changed and rangeDLink Systems, Inc.Wireless Basics. Wireless Basics continued. Standardsbased Technology. The DWL2700AP Wireless Access Point utilizes the 802.11b and the 802.11gThe IEEE 802.11g standard is an extension of the 802.11b standard. It increases theThis means that in most environments, within the specified range of this device, you willThis technology works by transmitting highsppedThe DLink DWL2700AP will automatically sense the best possible connection speedThe DWL2700AP offers the most advanced network security features available today,In addition to its compatibility with 802.11g devices, the DWL2700AP is compatibleEnvironmental factors may adversely affect wireless signal range. Installation ConsiderationsKeep in mind, however,Typical ranges vary dependingA wall that is 1.5 feet thickPosition devices so that theTry to position wireless devices andDLink Systems, Inc.Operational Modes. Three Operational Modes. DLink Systems, Inc.Getting Started. Getting Started. You will need broadband Internet access. Consult with your Cable or DSL provider for proper installation of the modem. Connect the Cable or DSL modem to a Router.Connect the Ethernet Broadband Router to the PoE base unit.Connect the DWL2700AP to the PoE base unit.If you are connecting a desktop computer to your network, install the DLink. DWLG550 wireless PCI adapter into an available PCI slot on your desktopInstall the drivers for the DLink DWLG680 wireless Cardbus adapter into aDLink Systems, Inc.Getting Started. Connecting To a PoE Power over Ethernet Network.

Step 1 Connect one end of an Ethernet cable included with your package to the LAN port on the DWL2700AP and the other end of the Ethernet cable to. Step 2 Connect another Ethernet cable from the DATA IN port on the PoE base. Step 3 Attach the power adapter to the connector on the PoE base unit. Attach theDLink Systems, Inc.Using the Configuration Menu. Using the Configuration Menu. To configure the DWL2700AP, use a computer which is connected to the DWL2700APFirst, disable the Access the Internet using a proxy server function. To disable thisType the IP address and http port of the DWL2700AP in the address fieldDWL2700AP and your computer are in the same subnet. After the connection is established, you will see the user identification window asNote If you have changed the default IP address assigned to the DWL2700AP, makeNote If you have changed the password, make sure to enter the correctDLink Systems, Inc.DWL2700AP User's Manual. Clicking Save and Activate will save and activate all changes made to the configurationClicking Discard Changes will discard all changes made to the configuration. Click the Apply button to save changes made toDLink Systems, Inc.Using the Configuration Menu. Wireless Band IEEE 802.11g. Mode Access Point is selected from the dropdown menu. SSID Service Set Identifier SSID is the name designated for a specificThe SSID factory default settingSSID Broadcast Enable or Disable SSID broadcast. Enabling this feature broadcastsChannel Auto Channel Scan is selected by default. All devices on theRadio Frequency The radio frequency will vary depending on the wireless channelDLink Systems, Inc.Using the Configuration Menu. Auto Channel. Scan. Select Enable or Disable. Enable this feature to autoselect theAuthentication.

Select Open System to communicate the key across theSelect Shared Key to limit communication to only those devicesSelect WPAEnterprise to secure your network with the inclusionSelect WPAPersonal to secure your network using a passwordSelect WPA2Enterprise to secure your network with the inclusionAdvanced Encryption Standard AES. Select WPA2Personal to secure your network using a passwordNo RADIUS server required andStandard AES. Select WPAAutoEnterprise

to allow the client to either use WPAEnterprise or WPA2Enterprise. Select WPAAutoPersonal to allow the client to either use WPAPersonal or WPA2Personal. DLink Systems, Inc. Using the Configuration Menu Select Disabled or Enabled. Disabled is selected here. Key Type. Select HEX or ASCII. Key Size. Select 64bit, 128bit, or 152 bits. Valid Key. First through Fourth Select the 1st through the 4th key to be the active key. Input up to four keys for encryption. You will select one of these ASCII American Standard Code for Information Interchange is a code for representing English letters as numbers 0127. DLink Systems, Inc. Using the Configuration Menu Cipher Type. Group Key Update. Interval. RADIUS Server. RADIUS Port. RADIUS Secret. DLink Systems, Inc. WEP is selected. Select the interval during which the group key will be valid. A lower interval may reduce Enter the IP address of the RADIUS server. Enter the RADIUS port. Enter the RADIUS secret. DWL2700AP User's Manual. Cipher Type. When you select WPAEnterprise, WPA2Enterprise or WPAAutoEnterprise, you must select AUTO, AES, or TKIP Group Key Update. Select the interval during which the group key will be valid. 1800 A lower interval may reduce transfer RADIUS Server. Enter the IP address of the RADIUS server. Enter the RADIUS secret. Using the Configuration Menu. PassPhrase. When you select WPA Personal, WPA2 Personal, or WPAAutoPersonal, you must select AUTO, AES, or TKIP from Select the interval during which the group key will be valid.

The Enter a passphrase. The passphrase is an alphanumeric password The password can include symbols Using the Configuration Menu. In WDS with AP mode, the DWL2700AP wirelessly connects multiple networks, while WDS Wireless Distribution System allows access It can also Wireless Band. IEEE 802.11g. Mode. WDS with AP is selected from the pulldown menu. The SSID factory default Using the Configuration Menu. SSID Broadcast. Enable or Disable SSID broadcast. Enabling this feature broadcasts Channel Note The wireless adapters will automatically scan and match the Auto Channel. This option is unavailable in WDS with AP mode. Remote AP MAC. Address. Enter the MAC addresses of the APs in your network that will serve Scan. Click Scan to view available APs in your network that will serve as Authentication. Select Open System to communicate the key across the Select Shared Key to limit communication to only those devices Select WPA Personal, WPA2 Personal or WPAAutoPersonal to Note WDS is not completely specified in WiFi or IEEE standards. Communication DLink Systems, Inc. Using the Configuration Menu Select Disabled or Enabled. Disabled is selected here. DLink Systems, Inc. Using the Configuration Menu. When you select WPA Personal, WPA2 Personal or WPAAutoPersonal Group Key Update. Select the interval during which the group key will be valid. The PassPhrase. Enter a passphrase. The passphrase is an alphanumeric password The password can include symbols DLink Systems, Inc. DWL2700AP User's Manual. In WDS, the DWL2700AP wirelessly connects multiple networks, without functioning Wireless Band. Mode IEEE 802.11g. WDS is selected from the pulldown menu. Service Set Identifier SSID is the name designated for a specific wireless The SSID factory default setting is default. The SSID can be easily changed to connect to an existing wireless network, DWL2700AP User's Manual. This option is unavailable in WDS. Click Scan to view available APs in your network that will serve Authentication.

Select Open System to communicate the key across the Select Shared Key to limit communication to only those devices Select WPA Personal, WPA2 Personal, or WPAAutoPersonal to DLink Systems, Inc. DWL2700AP User's Manual. Encryption. Select Disabled or Enabled. Disabled is selected here. When you select WPA Personal, WPA2 Personal or WPAAutoPersonal, AES is selected as the Cipher Type. When you select WPA Personal, WPA2 Personal or WPAAutoPersonal, DLink Systems, Inc. Using the Configuration Menu. AP Mode. Authentication Available. Access Point. Open System. Shared Key WPAEnterprise. WPA Personal. WPA2Enterprise. WPA2 Personal. WPAAutoEnterprise. WPAAutoPersonal. WDS with AP. Shared Key. WPAAutoPersonal Shared Key. LAN is short for Local Area Network. This is considered your internal network. These These settings may be You may

change the LAN IP address if needed. The LAN IP address is private to your internal network and cannot be seen on the Internet. Get IP From Static Manual is chosen here. Choose this option if you do not have IP Address The default IP address is 192.168.0.50. Assign a static IP address Subnet Mask Enter the subnet mask. All devices in the network must share the Default Gateway Enter the IP address of the gateway in your network. If there isn't DNS 1 Enter your primary DNS IP address. DNS 2 Enter your secondary DNS IP address. Get IP From Dynamic DHCP is chosen here. Choose Dynamic IP Address to IP Address This field is unavailable when DHCP is selected. Subnet Mask This field is unavailable when DHCP is selected. Default Gateway This field is unavailable when DHCP is selected. DNS 1 This field is unavailable when DHCP is selected. DNS 2 This field is unavailable when DHCP is selected. Frequency The frequency reflects the choice of the wireless channel. When IEEE 802.11g is chosen the frequency is 2.437GHz for channel 6. Channel The default channel for IEEE 802.11g is 6.

Data Rate The Data Rates are Auto, 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, Beacon Interval Beacons are packets sent by an access point to synchronize a The default 100 is DLink Systems, Inc. Using the Configuration Menu. DTIM Delivery Traffic Indication Message Select a setting between 1 DTIM is a countdown informing Fragment Length The fragmentation threshold, which is specified in bytes, determines Packets exceeding the 2346 RTS Length This value should remain at its default setting of 2346. If you Radio Select ON or OFF. WMM WiFi Multimedia Improves the user experience for audio, video, This feature is enabled Antenna Diversity Select Diversity to allow the DWL2700AP to automatically Selecting Left. Antenna will not allow the DWL2700AP to switch antenna and DWL2700AP to switch antenna and the radio will only use the Environmental factors may adversely affect wireless signal range. Load Balance Load Balancing allows you to balance and share the wireless network traffic and clients using multiple DWL2700APs. Select Enable User Limit Sets the maximum amount of users allowed 064. Link Integrate If the Ethernet connection between the LAN and the DWL2700AP Select Enable or Disable. Enable. Check to enable MultiSSID. MultiSSID. Enable VLAN Check to enable VLANs. State. Band IEEE802.11g. Index Select the Index you want to configure, Primary or MultiSSID SSID Service Set Identifier SSID is the unique name designated for the. Index being configured. DLink Systems, Inc. SSID Broadcast Enabled by default, disabling SSID Broadcast will make the SSID Security The Security options available are Open System, Shared Key. WPA Personal, WPA2 Personal, or WPA Auto Personal. Note Security Setting Limit. When the Primary SSID is set to use one key index for WEP, you can use the 3 other Key Type Select HEX or ASCII. Only when Open System or Shared Key. Security is selected.. Key Size Select 64bit, 128bit or 152bit. Only when Open System or Shared. Key is selected for Security..

Key Select from 1 of 4 Keys to be the active key. Only when Open System Cipher Type When using WPA Personal, WPA2 Personal, or WPA Auto Personal, Available options are Auto, AES, or Update Interval 1800 is the recommended value, as a lower value may reduce the Pass Phrase The passphrase is an alphanumeric password that must be between DLink Systems, Inc. Using the Configuration Menu. Access Control Select Off to disable MAC address filtering. Select Accept to allow MAC Address Enter the MAC address you want to include in the Access Control. List and click Apply. MAC Address List MAC addresses added to the Access Control List will appear in this DLink Systems, Inc. Using the Configuration Menu. Access Control Select Off to disable IP address filtering. Select Accept to allow Select Reject to reject devices with the IP addresses listed. IP Address Enter the IP address you want to include in the Access Control List IP Address List IP addresses added to the Access Control List will appear in this list. Click Delete next to an IP address to remove it from the list. Internal Station Enabling this feature allows wireless clients to communicate with. Connection each other. If this feature is disabled, wireless stations on the Ethernet to WLAN Enabling this feature allows Ethernet devices on the LAN to. Access communicate with wireless clients on the WLAN. If this feature is Wireless devices can still send data to Ethernet devices. Device Information This window displays the configuration settings of the DWL2700AP, DLink Systems,

Inc. Using the Configuration Menu. Temperature This window displays the current operating temperature of the. Indication DWL2700AP. Client Information The Client Information page provides information about the wireless. The following information is available for each client communicating with the Band Displays the wireless band the client is connected on. Authentication Displays the type of authentication being used. Signal Displays the strength of the clients signal.

Power Saving Displays the status of the power saving feature. MAC Displays the MAC address of the client. Band Displays the wireless band the client is connected on. Channel Displays the wireless channel being used. WLAN 802.11g This page displays statistics for data throughput, transmitted and. Traffic Statistics received frames, and WEP frame errors for the 802.11g wireless. DLink Systems, Inc. Using the Configuration Menu. View Log The log displays system and network messages including a time. DLink Systems, Inc. Using the Configuration Menu. Log Settings. Address DWL2700APs log to. Log Type Check the box for the type of activity you want to log. There are SMTP Settings. SMTP Check the box to enable SMTP. SMTP Sender Enter the email address of the SMTP sender. SMTP Recipient Enter the email address of the SMTP recipient. Limit. Check the box to enable the feature. Administrator IP. Limit Administrator Enter the IP address that the administrator will be allowed to log. IP 1 in from. Limit Administrator Enter a secondary IP address that the administrator will be allowed. IP 2 to log in from. Login Settings. User Name Enter a user name. The default is admin. Old Password When changing your password, enter the old password here. New Password When changing your password, enter the new password here. Confirm New Confirm your new password here. Password. Console Settings. Status Status is Enabled by default. Uncheck the box to disable the Console Protocol Select the type of protocol you would like to use, Telnet or SSH. SNMP Settings. Uncheck the box to disable the SNMP Public Community Enter the public SNMP community string. String. Private Community Enter the private SNMP community string. DLink Systems, Inc. Upload Firmware After downloading the most recent version of firmware for the. DWL2700AP from to your local computer, Click Upload to update the firmware version. Upload SSL Click Browse to locate the SSL Certification file on your local. Certification computer.

After selecting and opening the file, click Upload to DLink Systems, Inc. Upload File Click Browse to locate a previously saved configuration file on Download Click Download to save the current DWL2700AP configuration. Configuration File to your local computer. When you click Browse in the previous screen, the dialog box shown above appears. Select the file you wish to download and click Open. When this dialog box appears, click Save and select a location to save the configuration. DLink Systems, Inc. DWL2700AP User's Manual. Information. IP Address. Time Zone. Daylight Saving. Time. Select your correct Time Zone. Check the box to Enable Daylight Saving Time. Using the Configuration Menu. Click Restart to restart the DWL2700AP. Click Restore to restore the DWL2700AP back to factory default settings. DLink Systems, Inc. Using the AP Manager. Using the AP Manager. The AP Manager is a convenient tool to manage the configuration of your network from a To launch the AP Manager. Discovering Devices. Click on this button to discover the devices available on the network. Selecting Devices. The AP Manager allows you to configure multiple devices all at once. To select a single To select multiple devices, hold To select an entire list, hold IP Configuration. You can assign an IP address to an AP or assign IP addresses to multiple. APs by clicking on this button after selecting the devices. Select the AP that you want to assign an IP address to and click the IP button. Enter You can configure multiple APs with IP addresses all at once. Click on the IP button Enter the IP DLink Systems, Inc. DWL2700AP User's Manual. Device Configuration. Click on this button to access the configuration The device configuration window allows you to configure settings but does not actually You can also save When you load a configuration file, you You can configure a single device by highlighting one device in the list, or you can Configuration icon pictured above.

The examples in this section show single device The Check All button will select all configurable

options. Any settingThe Clear Checks button deselects all configurable options. ThisRefresh will revert to the actual device settings of the selectedTo save settings to the device, you must click the Apply button. OnlyThe open button is used to load a previously saved configuration file. After opening a configuration file, you must click the Apply button toThe save button allows you to save a configuration file of the selectedThe Exit button will close the device configuration window.

AnyDLink Systems, Inc.DWL2700AP User's Manual. When selecting multiple devices for configuration, some options areThis option should only be configuredIP address and If you've selected one device for configuration and you wantThis option should only be configurableTo configureGateway. Enter the IP address of your gateway, typically your routerUsing the AP Manager. Domain Name. Server 1 Enter the IP address of your primary Domain Name Server.