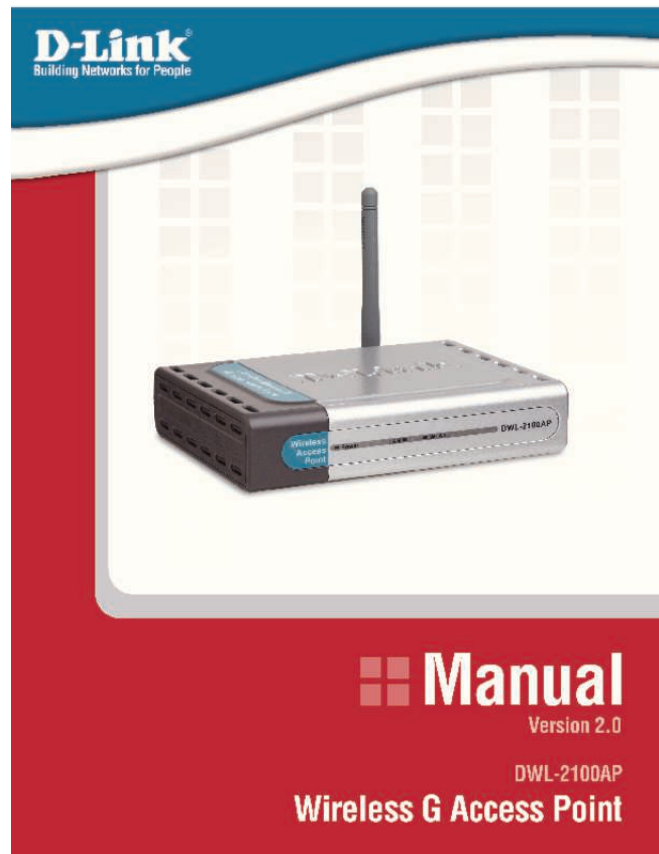




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for D-LINK DWL-2100AP. You'll find the answers to all your questions on the D-LINK DWL-2100AP in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual D-LINK DWL-2100AP
User guide D-LINK DWL-2100AP
Operating instructions D-LINK DWL-2100AP
Instructions for use D-LINK DWL-2100AP
Instruction manual D-LINK DWL-2100AP



[You're reading an excerpt. Click here to read official D-LINK DWL-2100AP user guide](http://yourpdfguides.com/dref/5129724)
<http://yourpdfguides.com/dref/5129724>

Manual abstract:

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....8.

Before You Begin.

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

9 . Connect to Your Network....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

....9 Configuration.....

.....
.....
.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

10 Web Configuration Utility.....

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.10 Home.....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....

.11 Wireless Modes....

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

.....
.....

.....12 Access Point Mode.

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....

..13 . Access Point (WEP)..

.....
.....
.....
.....

.....
.....
.....

.....
.....
.....

.....15 Access Point (WPA-EAP/WPA2-EAP).

.....
.....
.....

.....
.....
.....

.....

...16 Access Point (WPA-PSK/WPA2-PSK)..

.....
.....

.....
.....
.....

.....
.....
.....

.....17 WDS with AP. ..

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

...18 . WDS with AP (WEP).

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....20 WDS with AP (WPA-PSK/WPA2-PSK).

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

..21 WDS...

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

..22 WDS (WEP)...

.....
.....
.....
.....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
24 WDS (WPA-PSK).....

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.....25 AP Repeater.

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

..26 . AP Repeater (WEP)..

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.....27 AP Client.

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....28 AP Client (WEP). ..

.....
.....
.....

.....
.....
.....

.....
.....
.....

...29 . AP Client (WPA-PSK/WPA2-PSK).

.....
.....

.....
.....
.....

.....
.....
.....

...30 . LAN Settings.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....
.....

..31 Static IP Address.

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

..31 . Dynamic IP Address. .

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.....32 . Advanced Performance Settings.

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.....33 Filters...

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

.....
.....
.....
.....
.....
.....
.....
.....

...37 Static Pool Settings.....

.....
.....
.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

.39 Current IP Mapping List...

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.41 Admin Settings.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

.42 System Settings....

.....
.....

.....

.....47.

DWL-2100AP User Manual □ Stats.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.48 Client Information.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..49 System Log...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..50 Help...

.....

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

...51 Using the AP Manager:

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....

...52 . Discovering Devices.

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.52 Selecting Devices.

.....
.....
.....

.....
.....
.....
.....

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

..57. Authentication Modes..

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

...59 Security.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....60 WEP Encryption.

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....

.....
...65 . WDS with AP.

.....
.....

.....
.....
.....

.....
.....
.....

.....
.....

.....66 . WDS....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.67 AP Repeater.

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....

...68 . AP Client.....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

..69 DHCP Server.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

Client-Info.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

...71 Log.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

...82 About.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

...82 Networking Basics.....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....83 Using the Network Setup Wizard in Windows® XP.....

.....
.....
.....

.....

.....
.....
.....

.....
..83 Naming Your Computer...

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.90 Checking the IP Address in Windows® XP.....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.91 Assigning a Static IP Address in Windows® XP/2000.....

.....
.....
.....
.....

.....
.....
.....

....93 Troubleshooting.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.....

99 . *Technical Specifications*

.....
.....
.....

.....

.....
.....
.....

.....

.....
.....
.....

.....

.....
.....

.105 . *Technical Support*.....

.....
.....
.....
.....

.....

.....
.....
.....

.....

.....
.....
.....

.....

.....
.....

...107 *Warranty*

.....
.....
.....
.....

.....

.....
.....
.....

.....

.....
.....
.....

.....

.....
.....
.....

.....108 *Registration* .

.....
.....
.....

Web Configuration Utility First, disable the Access the Internet using a proxy server function. To disable this function, go to Control Panel > Internet Options > Connections > LAN Settings and uncheck the enable box. Open your web browser program such as Internet Explorer. Type the IP address of the DWL-2100AP in the address field (<http://192.168.0.50>) and press Enter. Make sure that the IP addresses of the DWL-2100AP and your computer are in the same subnet.

After the connection is established, Enter your user name (admin) and your password (leave blank by default). Click OK to continue. DWL-2100AP User Manual 10 Home The Home > Wizard screen will appear. Please refer to the Quick Installation Guide for more information regarding the Setup Wizard. These buttons appear on most of the configuration screens in this section. Please click on the appropriate button at the bottom of each screen after you have made a configuration change. DWL-2100AP User Manual 11 Wireless Modes AP Mode Access Point Authentication Available Open System Shared Key Open System/Shared Key WPA-EAP WPA-PSK WPA2-EAP WPA2-PSK WPA-Auto-EAP WPA-Auto-PSK Open System Shared Key Open System/Shared Key WPA-PSK WPA2-PSK WPA-Auto-PSK Open System Shared Key Open System/Shared Key WPA-PSK WPA2-PSK WPA-Auto-PSK Open System Shared Key Open System Shared Key WPA-PSK WPA2-PSK WDS with AP WDS AP Repeater AP Client DWL-2100AP User Manual 12 Access Point Mode Wireless Band: IEEE 802.11g. Mode: Access Point is selected from the drop-down menu. SSID: Service Set Identifier (SSID) is the name designated for a specific wireless local area network (WLAN).

The SSID's factory default setting is dlink. The SSID can be easily changed to connect to an existing wireless network or to establish a new wireless network. SSID Broadcast: Enable or Disable SSID broadcast. Enabling this feature broadcasts the SSID across the network. Channel: Auto Channel Scan is enabled by default.

All devices on the network must share the same channel. Radio Frequency: The radio frequency will vary depending on the wireless channel that is chosen.

The frequency in channel 6 is 2.437GHz. DWL-2100AP User Manual 13 Auto Channel Scan: Authentication: Select Enable or Disable.

Enable this feature to auto-select the channel for best wireless performance. Select Open System to communicate the key across the network. Select Shared Key to limit communication to only those devices that share the same WEP settings. Select Open System/Shared Key to allow either form of data encryption. Select WPA-EAP to secure your network with the inclusion of a RADIUS server. Select WPA-PSK to secure your network using a password and dynamic key changes (No RADIUS server required). Select WPA2-EAP to secure your network with the inclusion of a RADIUS server and upgrade the encryption of data with the Advanced Encryption Standard (AES). Select WPA2-PSK to secure your network using a password and dynamic key changes. No RADIUS server required and encryption of data is upgraded with the Advanced Encryption Standard (AES). Select WPA-Auto-EAP to allow the client to either use WPA-EAP or WPA2-EAP.

Select WPA-Auto-PSK to allow the client to either use WPA-PSK or WPA2-PSK. Super G Mode: Disabled by default. You can select Super G without Turbo or Super G with Dynamic Turbo. DWL-2100AP User Manual 14 Access Point (WEP) Encryption: Key Type: Key Size: Valid Key: First through Fourth keys: Select Disabled or Enabled. (Disabled is selected here). Select HEX or ASCII. Select 64-bit, 128-bit, or 152 bits. 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 keys in the valid key field.

* Hexadecimal digits consist of the numbers 0-9 and the letters A-F. ASCII (American Standard Code for Information Interchange) is a code for representing English letters as numbers 0-127. DWL-2100AP User Manual 15 Access Point (WPA-EAP/WPA2-EAP) Cipher Type: Group Key Update Interval: Radius Server: Radius Port: Radius Secret: When you select WPA-EAP, WPA2-EAP or WPA-Auto-EAP, you must select AUTO, AES, or TKIP from the pull-down menu. Select the interval during which the group key will be valid. 1800 is the recommended value.

A lower interval may reduce transfer data rate. Enter the IP address of the Radius server. Enter the Radius port. Enter the Radius secret. DWL-2100AP User Manual 16 Access Point (WPA-PSK/WPA2-PSK) Cipher Type: Group Key Update Interval: PassPhrase: When you select WPA-PSK, WPA2-PSK, or WPA-Auto-PSK, you must select AUTO, AES, or TKIP from the pull-down menu.

Select the interval during which the group key will be valid. The default value of 1800 is recommended. Enter a passphrase. The passphrase is an alphanumeric password between 8 and 63 characters long. The password can include symbols (!?*&_) and spaces. Make sure you enter this key exactly the same on all other wireless clients. DWL-2100AP User Manual 17 WDS with AP In WDS with AP mode, the DWL-2100AP wirelessly connects multiple networks, while still functioning as a wireless AP. WDS (Wireless Distribution System) allows access points to communicate with one another wirelessly in a standardized way. It can also simplify the network infrastructure by reducing the amount of cabling required. Basically the access points will act as a client and an access point at the same time.

Wireless Band: Mode: SSID: IEEE 802.11g WDS with AP is selected from the pull-down menu. Service Set Identifier (SSID) is the name designated for a specific wireless local area network (WLAN). The SSID's factory default setting is dlink. The SSID can be easily changed to connect to an existing wireless network or to establish a new wireless network. DWL-2100AP User Manual 18 SSID Broadcast: Channel: Enable or Disable SSID broadcast. Enabling this feature broadcasts the SSID across the network. 6 is the default channel for IEEE 802.11g. All devices on the network must share the same channel.

Note: The wireless adapters will automatically scan and match the wireless setting. Auto Channel Scan: Remote AP MAC Address: Authentication: This option is unavailable in WDS with AP mode. Enter the MAC addresses of the APs in your network that will serve as bridges to wirelessly connect multiple networks. Select Open System to communicate the key across the network. Select Shared Key to limit communication to only those devices that share the same WEP settings.

Select Open System/Shared Key to allow either form of data encryption. Select WPA-PSK, WPA2-PSK, or WPA-Auto-PSK to secure your network using a password and dynamic key changes (No RADIUS server required). Note: WDS is not completely specified in WiFi or IEEE standards. Communication with other vendor's access points is not guaranteed. DWL-2100AP User Manual 19 WDS with AP (WEP) Encryption: Key Type: Key Size: Valid Key: First through Fourth keys: Select Disabled or Enabled.

(Disabled is selected here). Select HEX or ASCII. Select 64-bit, 128-bit, or 152 bits.



[You're reading an excerpt. Click here to read official D-LINK](#)

[DWL-2100AP user guide](#)

<http://yourpdfguides.com/dref/5129724>

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 keys in the valid key field. * Hexadecimal digits consist of the numbers 0-9 and the letters A-F. ASCII (American Standard Code for Information Interchange) is a code for representing English letters as numbers 0-127. DWL-2100AP User Manual 20 WDS with AP (WPA-PSK/WPA2-PSK) Cipher Type: Group Key Update Interval: PassPhrase: When you select WPA-PSK, WPA2-PSK, or WPA-Auto-PSK you must select AUTO or AES from the pull-down menu. Select the interval during which the group key will be valid.

The default value of 1800 is recommended. Enter a passphrase. The passphrase is an alpha-numeric password between 8 and 63 characters long. The password can include symbols (!?*&_) and spaces. Make sure you enter this key exactly the same on all other wireless clients. DWL-2100AP User Manual 21 WDS In WDS, the DWL-2100AP wirelessly connects multiple networks, without functioning as a wireless AP. Wireless Band: Mode: SSID: IEEE 802.11g WDS is selected from the pull-down menu. Service Set Identifier (SSID) is the name designated for a specific wireless local area network (WLAN). The SSID's factory default setting is dlink.

The SSID can be easily changed to connect to an existing wireless network, or to establish a new wireless network. DWL-2100AP User Manual 22 SSID Broadcast: Channel: Enable or Disable SSID broadcast. Enabling this feature broadcasts the SSID across the network. 6 is the default channel for IEEE 802.11g.

All devices on the network must share the same channel. Note: The wireless adapters will automatically scan and match the wireless setting. Auto Channel Scan: Remote AP MAC Address: Authentication: This option is unavailable in WDS. Enter the MAC addresses of the APs in your network that will serve as bridges to wirelessly connect multiple networks. Select Open System to communicate the key across the network.

Select Shared Key to limit communication to only those devices that share the same WEP settings. Select Open System/Shared Key to allow either form of data encryption. Select WPA-PSK, WPA2-PSK, or WPA-Auto-PSK to secure your network using a password and dynamic key changes (No RADIUS server required). DWL-2100AP User Manual 23 WDS (WEP) Encryption: Key Type: Key Size: Valid Key: First through Fourth keys: Select Disabled or Enabled. (Disabled is selected here). Select HEX or ASCII. Select 64-bit, 128-bit, or 152 bits. 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 keys in the valid key field.

* Hexadecimal digits consist of the numbers 0-9 and the letters A-F. ASCII (American Standard Code for Information Interchange) is a code for representing English letters as numbers 0-127. DWL-2100AP User Manual 24 WDS (WPA-PSK) Cipher Type: Group Key Update Interval: PassPhrase: When you select WPA-PSK, AES is used here. Select the interval during which the group key will be valid. The default value of 1800 is recommended. When you select WPA-PSK, please enter a PassPhrase in the corresponding field. DWL-2100AP User Manual 25 AP Repeater Wireless Band: Mode: SSID Broadcast: Channel: Auto Channel Scan: Root AP MAC Address/ SSID: Authentication: Super G Mode: IEEE 802.11g is selected here. Select AP Repeater from the drop-down menu. Select Enable to broadcast your SSID over the wireless network.

Select Disable to hide your SSID. The channel used will be displayed. The channel will follow the root AP. This feature is not available in Repeater mode. Click on Scan and select the root AP you wish to repeat.

When you select the AP, the MAC Address and the SSID fields will populate. Select Open System or Shared Key. Refer to the next page. Disabled by default. You can select Enable if the access point you are connecting to is using Super G mode.

DWL-2100AP User Manual 26 AP Repeater (WEP) Encryption: Key Type: Key Size: Valid Key: First through Fourth keys: Select Disabled or Enabled. (Disabled is selected here). Select HEX or ASCII. Select 64-bit, 128-bit, or 152 bits. 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 keys in the valid key field. * Hexadecimal digits consist of the numbers 0-9 and the letters A-F. ASCII (American Standard Code for Information Interchange) is a code for representing English letters as numbers 0-127. DWL-2100AP User Manual 27 AP Client Wireless Band: Mode: SSID Broadcast: Channel: Auto Channel Scan: Root AP MAC Address/ SSID: Authentication: IEEE 802.

11g is selected here. Select AP Client from the drop-down menu. Select Enable to broadcast your SSID over the wireless network. Select Disable to hide your SSID. The channel used will be displayed. The channel will follow the root AP. This feature is not available in Repeater mode. Click on Scan and select the root AP you wish to repeat. When you select the AP, the MAC Address and the SSID fields will populate. Select Open System to communicate the key across the network.

Select Shared Key to limit communication to only those devices that share the same WEP settings. Select WPA-PSK or WPA2-PSK to secure your network using a password and dynamic key changes (No RADIUS server required). Super G Mode: DWL-2100AP User Manual Disabled by default. You can select Super G without Turbo or Super G with Dynamic Turbo. 28 AP Client (WEP) Encryption: Key Type: Key Size: Valid Key: First through Fourth keys: Select Disabled or Enabled.

(Disabled is selected here). Select HEX or ASCII. Select 64-bit, 128-bit, or 152 bits. 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 keys in the valid key field. * Hexadecimal digits consist of the numbers 0-9 and the letters A-F. ASCII (American Standard Code for Information Interchange) is a code for representing English letters as numbers 0-127. DWL-2100AP User Manual 29 AP Client (WPA-PSK/WPA2-PSK) Cipher Type: Group Key Update Interval: PassPhrase: When you select WPA-PSK, WPA2-PSK, or WPA-Auto-PSK you must select AES or TKIP from the pull-down menu. Select the interval during which the group key will be valid. The default value of 1800 is recommended. Enter a passphrase. The passphrase is an alpha-numeric password between 8 and 63 characters long. The password can include symbols (!?*&_) and spaces. Make sure you enter this key exactly the same on all other wireless clients.

DWL-2100AP User Manual 30 LAN Settings Static IP Address LAN is short for Local Area Network. This is considered your internal network. These are the IP settings of the LAN interface for the DWL-2100AP. These settings may be referred to as private settings. 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 a DHCP server in your network, or if you wish to assign a static IP address to the DWL-2100AP.



[You're reading an excerpt. Click here to read official D-LINK
DWL-2100AP user guide
http://yourpdfguides.com/dref/5129724](http://yourpdfguides.com/dref/5129724)

IP Address: The default IP address is 192.168.

0.50. Assign a static IP address that is within the IP address range of your network. Subnet Mask: Enter the subnet mask. All devices in the network must share the same subnet mask.

Default Gateway: Enter the IP address of the gateway in your network. If there isn't a gateway in your network, please enter an IP address within the range of your network. DWL-2100AP User Manual 31 Dynamic IP Address Get IP From: Dynamic (DHCP) is chosen here. Choose Dynamic IP Address to obtain an IP Address automatically from a DHCP server in your network.

IP Address: This field is unavailable when DHCP is chosen. Subnet Mask: This field is unavailable when DHCP is chosen. Default Gateway: This field is unavailable when DHCP is chosen. DWL-2100AP User Manual 32 Advanced Performance Settings Wireless Band: IEEE802.11g. Data Rate: The Data Rates are Auto, 1Mbps, 2Mbps, 5.5Mbps, 6Mbps, 9Mbps, 11Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps. Beacon Interval: Beacons are packets sent by an access point to synchronize a network. Specify a beacon interval value. The default (100) is recommended.

DTIM: (Delivery Traffic Indication Message) - Select a setting between 1 and 255. 1 is the default setting. DTIM is a countdown informing clients of the next window for listening to broadcast and multicast messages. Fragment Length: The fragmentation threshold, which is specified in bytes, determines whether packets will be fragmented. Packets exceeding the 2346 byte setting will be fragmented before transmission. 2346 is the default setting DWL-2100AP User Manual 33 RTS Length: This value should remain at its default setting of 2346. If you encounter inconsistent data flow, only minor modifications to the value range between 256 and 2346 are recommended Transmit Power: Choose full, half (-3dB), quarter (-6dB), eighth (-9dB), minimum power. 802.11g Only:

Check if all wireless devices are 802.11g.

Uncheck if you are using a mixed wireless network (802.11b and 802.11g). Preamble: Select Short and Long (default) or Long Only. Radio: Select ON or OFF.

Wireless QoS Select Disable or Enable from the drop-down menu. (WMM): *Maximum wireless signal rate derived from IEEE Standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, DWL-2100AP User Manual 34 Filters Wireless Access Settings Wireless Band: IEEE802.

11g. Access Control: Select Disabled to disable the filters function. Select Accept to accept only those devices with MAC addresses in the Access Control List.

Select Reject to reject the devices with MAC addresses in the Access Control List. MAC Address: Enter the MAC addresses that you wish to include in your filters list, and click Save. MAC Address List: When you enter a MAC address, it appears in this list. Click Delete next to a MAC address to remove it from the list. DWL-2100AP User Manual 35 WLAN Partition Wireless Band: IEEE802.11g. Internal Station Enabling this feature allows wireless clients to communicate with Connection: each other.

If this is disabled, wireless stations of the selected band are not allowed to exchange data through the access point. Ethernet to WLAN Enabling this feature allows Ethernet devices to communicate with Access: wireless clients. If this is disabled, all data from the Ethernet to associated wireless devices is blocked.

Wireless devices can still send data to the Ethernet. DWL-2100AP User Manual 36 DHCP Server Dynamic Pool Settings DHCP Server Dynamic Host Configuration Protocol assigns dynamic IP Control: addresses to devices on the network. This protocol simplifies network management and allows new wireless devices to receive IP addresses automatically without the need to manually assign new IP addresses. Select Enable to allow the DWL-2100AP to function as a DHCP server. IP Assigned From: Input the first IP address available for assignment in your network. DWL-2100AP User Manual 37 The Range of Pool Enter the number of IP addresses available for assignment. (1-255); SubMask: All devices in the network must have the same subnet mask to communicate.

Enter the submask for the network here. Gateway: Enter the IP address of the gateway on the network. Wins: Windows Internet Naming Service is a system that determines the IP address of a network computer that has a dynamically assigned IP address. DNS: Enter the IP address of the DNS server. The DNS (Domain Name Server) translates domain names such as www.

dlink.com into IP addresses. Domain Name: Enter the domain name of the DWL-2100AP, if applicable. (An example of a domain name is: www.dlink.com.) Lease Time (60-31536000 The Lease Time is the period of time before the DHCP server will sec.): assign new IP addresses. Status: Turn the Dynamic Pool Settings ON or OFF here. DWL-2100AP User Manual 38 Static Pool Settings DHCP Server Dynamic Host Configuration Protocol assigns IP addresses to Control: wireless devices on the network. This protocol simplifies network management and allows new wireless devices to receive IP addresses automatically without the need to manually assign IP addresses. Select Enable to allow the DWL-2100AP to function as a DHCP server. Assigned IP: Use the Static Pool Settings to assign the same IP address to a device at every restart. The IP addresses assigned in the Static Pool list must NOT be in the same IP range as the Dynamic Pool. After you have assigned a static IP address to a device via its MAC address, click Apply; the device will appear in the Assigned Static Pool at the bottom of the screen.

Edit or delete the device in this list. Assigned MAC Address: Enter the MAC address of the device here. SubMask: Enter the subnet mask here. Gateway: Enter the IP address of the gateway on the network. DWL-2100AP User Manual 39 Wins: Windows Internet Naming Service is a system that determines the IP address of a network computer with a dynamically assigned IP address, if applicable. DNS: Enter the IP address of the Domain Name Server, if applicable. The DNS translates domain names such as www.dlink.com into IP addresses. Domain Name: Enter the domain name of the DWL-2100AP, if applicable.

Status: This option turns the Static Pool settings ON or OFF. DWL-2100AP User Manual 40 Current IP Mapping List This screen displays information about the current DHCP dynamic and static IP address pools. This information is available when you enable the DHCP function of the DWL-2100AP and assign dynamic and static IP address pools. Current DHCP These are IP address pools to which the DHCP server function has Dynamic Pools: assigned dynamic IP addresses. Binding MAC The MAC address of a device on the network that is within the address: DHCP dynamic IP address pool.

Assigned IP The current corresponding DHCP-assigned dynamic IP address address: of the device. Lease Time: The length of time that the dynamic IP address will be valid. Current DHCP These are IP address pools to which the DHCP server function has Static Pools: assigned static IP addresses.



[You're reading an excerpt. Click here to read official D-LINK
DWL-2100AP user guide
http://yourpdfguides.com/dref/5129724](http://yourpdfguides.com/dref/5129724)

Binding MAC The MAC address of a device on the network that is within the address: DHCP static IP address pool. Assigned IP The current corresponding DHCP-assigned static IP address of address: the device.

DWL-2100AP User Manual 41 Admin Settings @@User Name: Enter a user name. The default setting is admin. Old Password: Enter the current password (blank by default). New Password: Enter a new password and enter it again in the Confirm Password box. Console Protocol: Telnet is the default setting. Select None to disable. Timeout: Select a time period after which the connection will terminate. Status: Check Enabled to use SNMP. SNMP is disabled by default. Public Community String: When SNMP is enabled, you may modify the public community string.

Private Community String: When SNMP is enabled, you may modify the private community string. DWL-2100AP User Manual 42 System Settings Apply Settings and Click Restart to apply the system settings and restart the Restart: DWL-2100AP. Restore to Factory Click Restore to return the DWL-2100AP to its factory default Default Settings: settings. DWL-2100AP User Manual 43 Upgrade Firmware Update File: After you have downloaded the most recent version of the firmware from <http://support.dlink.com> to your hard drive, you can Browse your hard drive to locate the downloaded file. Select the file and click OK to update the firmware. DWL-2100AP User Manual 44 Configuration File Update File: Browse for the configuration settings that you have saved to your hard drive. Click OK after you have selected the settings file. Load Settings to the Local Hard Drive: Click OK to save the selected settings to your hard drive.

DWL-2100AP User Manual 45 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 file. DWL-2100AP User Manual 46 Device Information Device This window displays the settings of the DWL-2100AP, the firmware Information: version and the MAC address. DWL-2100AP User Manual 47 Status WLAN 802.

11G Traffic Statistics: This window displays the statistics of the IEEE802.11g network. DWL-2100AP User Manual 48 Client Information Client Select this option to obtain information on IEEE802.11g clients. Information: A client is a device on the network that is communicating with the DWL-2100AP.

The following information is available for each client that is communicating with the DWL-2100AP. MAC: Displays the MAC address of the client. Band: Displays the wireless band. Authentication: Displays the type of authentication that is enabled. Signal: Receive Signal Strength Indicator indicates the strength of the signal Power Saving Mode: Displays the status of the power saving feature. DWL-2100AP User Manual 49 System Log The log information will include, but not limited to, the following items: • Upgrade Firmware • Client association with AP • Web login Log Server/IP Address: Enter the IP address of the log server. Log Type: Check the box for the type of activity you want to log. There are three types: System Activity, Wireless Activity, and Notice. DWL-2100AP User Manual 50 Help Help: Click on any item in the Help screen for more information. DWL-2100AP User Manual 51 Using the AP Manager The AP Manager is a convenient tool to manage the configuration of your network from a central computer.

With AP Manager there is no need to configure devices individually. To launch the AP Manager: • Go to the Start Menu • Select Programs • Select D-Link AirPlus Xtreme AP Manager • Select DWL-2100AP Discovering Devices Click on this button to discover the devices available on the network. DWL-2100AP User Manual 52 Selecting Devices The AP Manager allows you to configure multiple devices all at once. To select a single device, simply click on the device you want to select. To select multiple devices, hold down the Ctrl key while clicking on each additional device. To select an entire list, hold the Shift key, click on the first AP on the list and then click on the last AP on the list. IP Configuration You can assign an IP address to an AP or assign IP addresses to multiple AP's by clicking on this button after selecting the device(s). Select the AP that you want to assign an IP address to and click the IP button. Enter the IP address and IP netmask for the selected device and click OK. You can configure multiple AP's with IP addresses all at once. Click on the IP button after you've selected all of the AP's you want to assign an IP address. Enter the IP address you want to assign the first unit and the AP manager will automatically assign sequential IP addresses. DWL-2100AP User Manual 53 Device Configuration Click on this button to access the configuration properties of the selected device(s). The device configuration window allows you to configure settings but does not actually apply the settings to the device unless you click the Apply button. You can also save and load configuration files from this window.

When you load a configuration file, you must click Apply if you want the settings to be applied to the selected device(s). @@The examples in this section show single device configuration. @@The Check All button will select all configurable options. @@The Clear Checks button deselects all configurable options.

This feature is useful if you only want to change a few settings.

Deselect all items and only check the items that you want to modify. @@To save settings to the device, you must click the Apply button. Only settings that have a checkmark next to them will be applied. @@@@Only settings that have a checkmark next to them are saved. @@The Exit button will close the device configuration window. Any settings that haven't been applied will be lost. @@You must place a checkmark in the Device Name box to change the name. @@@@SNMP Status: Check Enabled to use SNMP. SNMP is disabled by default. @@Private Community String: When SNMP is enabled, you may modify the private community string (read-write).

DWL-2100AP User Manual 56 Wireless Settings SSID: The Service Set (network) Identifier of your wireless network. Channel: Allows you to select a channel. 6 is the default setting. SSID Broadcast: Allows you to enable or disable the broadcasting of the SSID to network clients. 11g Only: Check if all wireless devices are 802.11g. Uncheck if you are using a mixed wireless network (802.11b and 802.11g). Super G: Disabled by default. You can select Super G without Turbo or Super G with Dynamic Turbo. Radio Wave: Select Disable or Enable from the drop-down menu. Wireless QoS (WMM): Select Disable or Enable from the drop-down menu. DWL-2100AP User Manual 57 Preamble: Data Rate: Beacon Interval (20~1000): DTIM (1~255): Select Short and Long (default) or Long Only. A pull-down menu to select the maximum wireless signal rate for the selected device(s).



[You're reading an excerpt. Click here to read official D-LINK DWL-2100AP user guide](http://yourpdfguides.com/dref/5129724)
<http://yourpdfguides.com/dref/5129724>

DWL-2100AP User Manual 70 Client-Info Client Select this option to obtain information on IEEE802.11g clients. Information: A client is a device on the network that is communicating with the DWL-2100AP. The following information is available for each client that is communicating with the DWL-2100AP. MAC: Band: Authentication: RSSI: Power Saving Mode: SSID: DWL-2100AP User Manual Displays the MAC address of the client. Displays the wireless band. Displays the type of authentication that is enabled. Receive Signal Strength Indicator indicates the strength of the signal. Displays the status of the power saving feature.

Displays the SSID (Service Set Identifier). 71 Log Remote Syslog Check this box to enable logging. Status: Activity: Select Enable or Disable from the drop-down menus. There are 3 types: System Activity, Wireless Activity, and Notice. Remote Syslog Enter the IP address of the Syslog server.

Status Server IP: DWL-2100AP User Manual 72 Configuration Files The DWL-2100AP allows you to save the device settings to a configuration file. To save a configuration file follow these steps: Select a device from the Device List on the main screen of the AP Manager. Click the device configuration button.

Click the Save button after you have all the settings as you want them. popup window will appear prompting you for a file name and location.

Enter the A file name, choose a file destination, and click Save. Device Configuration button. DWL-2100AP User Manual 73 To load a previously saved configuration file, follow these steps: Select a device from the Device List on the main screen of the AP Manager. Click the device configuration button.

Click the Open button. A popup window will appear prompting you to locate the configuration file. Locate the file and click Open. The configuration file is loaded into the AP Manager but has not actually been written to the device(s). If you want to use the newly loaded configuration for the selected device(s), click Apply and the configuration settings will be written to the device(s). Device Configuration button.

You must always click Apply in the Configuration window if you want the settings to take effect. DWL-2100AP User Manual 74 Firmware You can upgrade the firmware by clicking on this button after selecting the device(s). To upgrade the firmware: Download the latest firmware upgrade from <http://support.dlink.com> to an easy to find location on your hard drive. Click on the firmware button as shown above. A popup window will appear.

Locate the firmware upgrade file and click Open. IMPORTANT! DO NOT DISCONNECT POWER FROM THE UNIT WHILE THE FIRMWARE IS BEING UPGRADED. DWL-2100AP User Manual 75 System Settings You can customize the basic System Settings for the DWL-2100AP by clicking on this button.

Access Password: This sets the admin password for the select device(s). Auto Refresh: This setting allows you to enable auto refreshing of the network device list. By default this option is disabled. If you choose to enable it, you must enter the refresh interval in seconds. All other settings on this screen should be left at the default setting.

DWL-2100AP User Manual 76 Setup Wizard This button will launch the Setup Wizard that will guide you through device configuration. Click Next.

DWL-2100AP User Manual 77 Enter a Password and retype it in the Verify Password field. Click Next. DWL-2100AP User Manual 78 Enter the SSID and the Channel for the IEEE network.

Auto Channel Scan is enabled by default. The access point will scan for the best available channel. Click Next. If you want to enable Encryption, enter the Encryption values here. Click Next. DWL-2100AP User Manual 79 If you selected WEP, select the key size (64, 128, or 152-bit), the key type (HEX or ASCII), and then enter your WEP key. Click Next. If you selected WPA-Personal (PSK), enter the passphrase. Cipher Type TKIP is used. 1800 for Group Key Update Interval is suggested.

Click Next. DWL-2100AP User Manual 80 The DWL-2100AP setup is complete! DWL-2100AP User Manual 81 Refresh Click on this button to refresh the list of devices available on the network. Devices with a checkmark next to them are still available on the network. Devices with an X are no longer available on the network. About Click on this button to view the version of AP Manager. DWL-2100AP User Manual 82 Networking Basics Using the Network Setup Wizard in Windows® XP In this section you will learn how to establish a network at home or work, using Microsoft Windows® XP. Note: Please refer to websites such as <http://www.homenethelp.com> and <http://www.microsoft.com/windows2000> for information about networking computers using Windows® 2000. Go to Start>Control Panel>Network Connections Select Set up a home or small office network When this screen appears, click Next. DWL-2100AP User Manual 83 Please follow all the instructions in this window: Click Next. In the following window, select the best description of your computer. If your computer connects to the internet through a gateway/router, select the second option as shown.

Click Next. DWL-2100AP User Manual 84 Enter a Computer description and a Computer name (optional). Click Next. Enter a Workgroup name. All computers on your network should have the same Workgroup name.

Click Next. DWL-2100AP User Manual 85 Please wait while the Network Setup Wizard applies the changes. When the changes are complete, click Next. Please wait while the Network Setup Wizard configures the computer. This may take a few minutes. DWL-2100AP User Manual 86 In the window below, select the option that fits your needs. In this example, Create a Network Setup Disk has been selected. You will run this disk on each of the computers on your network. Click Next. Insert a disk into the Floppy Disk Drive, in this case drive A.

Click Next. DWL-2100AP User Manual 87 Please read the information under Here's how in the screen below. After you complete the Network Setup Wizard you will use the Network Setup Disk to run the Network Setup Wizard once on each of the computers on your network. To continue click Next. DWL-2100AP User Manual 88 Please read the information on this screen, then click Finish to complete the Network Setup Wizard. The new settings will take effect when you restart the computer. Click Yes to restart the computer. You have completed configuring this computer. Next, you will need to run the Network Setup Disk on all the other computers on your network. After running the Network Setup Disk on all your computers, your new wireless network will be ready to use.

DWL-2100AP User Manual 89 Naming Your Computer To name your computer in Windows® XP, please follow these directions. Click Start (in the lower left corner of the screen). Right-click on My Computer. Select Properties and click. Select the Computer Name Tab in the System Properties window.

You may enter a Computer Description if you wish; this field is optional.



[You're reading an excerpt. Click here to read official D-LINK
DWL-2100AP user guide
http://yourpdfguides.com/dref/5129724](http://yourpdfguides.com/dref/5129724)

rename the computer and join a domain, Click Change. To DWL-2100AP User Manual 90 this window, enter the Computer name. In Select Workgroup and enter the name of the Workgroup. computers on your network must have the same Workgroup name.

All Click OK. Checking the IP Address in Windows® XP The wireless adapter-equipped computers in your network must be in the same IP Address range (see Getting Started in this manual for a definition of IP Address Range.) To check on the IP Address of the adapter, please do the following: Right-click on the Local Area Connection icon in the task bar. Click on Status. DWL-2100AP User Manual 91 This window will appear: Click the Support tab. Click Close. DWL-2100AP User Manual 92 Assigning a Static IP Address in Windows® XP/2000 Note: DHCP-enabled routers will automatically assign IP addresses to the computers on the network, using DHCP (Dynamic Host Configuration Protocol) technology. If you are using a DHCP-capable router you will not need to assign static IP addresses. If you are not using a DHCP capable router, or you need to assign a static IP address, please follow these instructions: to Start. Go Double-click on Control Panel.

Double-click on Network Connections. DWL-2100AP User Manual 93 Right-click on Local Area Connections. Double-click on Properties. Click on Internet Protocol (TCP/IP). Click Properties. Input your IP address and subnet mask. (The IP addresses on your network must be within the same range. For example, if one computer has an IP address of 192.168.0.2, the other computers should have IP addresses that are sequential, like 192.168.0.3 and 192.168.0.4. The subnet mask must be the same for all the computers on the network.) DWL-2100AP User Manual 94 Input your DNS server addresses. Note: If you are entering a DNS server, you must enter the IP address of the default gateway.

The DNS server information will be supplied by your ISP (Internet Service Provider.) Click OK. Assigning a Static IP Address in Macintosh® OSX to the Apple Menu and select System Preferences. Go Click on Network. DWL-2100AP User Manual 95 Select Built-in Ethernet in the Show pull-down menu. Select Manually in the Configure pull-down menu. Input the Static IP Address, the Subnet Mask and the Router IP Address in the appropriate fields. Click Apply Now. DWL-2100AP User Manual 96 to the Apple Menu and select System Preferences. Go Click on Network.

Select Built-in Ethernet in the Show pull-down menu. Select Using DHCP in the Configure pull-down menu. DWL-2100AP User Manual 97 Click Apply Now. The IP Address, Subnet mask, and the Router's IP Address will appear in a few seconds. Checking the Wireless Connection by Pinging in Windows® XP and 2000 Go to Start > Run > type cmd. A window similar to this one will appear. Type ping xxx.xxx.xxx.xxx, where xxx is the IP address of the wireless router or access point.

A good wireless connection will show four replies from the wireless router or access point, as shown. DWL-2100AP User Manual 98 Troubleshooting This Chapter provides solutions to problems that can occur during the installation and operation of the DWL-2100AP Wireless Access Point. We cover various aspects of the network setup, including the network adapters. Please read the following if you are having problems. Note: It is recommended that you use an Ethernet connection to configure the DWL2100AP.

1. The computer used to configure the DWL-2100AP cannot access the Configuration menu. Check that the Ethernet LED on the DWL-2100AP is ON. If the LED is not ON, check that the cable for the Ethernet connection is securely inserted. Check that the Ethernet Adapter is working properly. Please see item 3 (Check that the drivers for the network adapters are installed properly) in this Troubleshooting section to check that the drivers are loaded properly. Check that the IP address is in the same range and subnet as the DWL-2100AP. Please see Checking the IP Address in Windows® XP in the Networking Basics section of this manual. Note: The IP address of the DWL-2100AP is 192.168.0.50. All the computers on the network must have a unique IP address in the same range, e.g., 192.

168.0.x. Any computers that have identical IP addresses will not be visible on the network. They must all have the same subnet mask, e.g., 255.255.255.0. Do a Ping test to make sure that the DWL-2100AP is responding. Go to Start>Run>Type Command>Type ping 192.168.0.50. A successful ping will show four replies. Note: If you have changed the default IP address, make sure to ping the correct IP address assigned to the DWL-2100AP. DWL-2100AP User Manual 99 2. The wireless client cannot access the Internet in the Infrastructure mode. Make sure the wireless client is associated and joined with the correct access point.

To check this connection: Right-click on the Local Area Connection icon in the taskbar> select View Available Wireless Networks. The Connect to Wireless Network screen will appear. Please make sure you have selected the correct available network, as shown in the illustrations below. Check that the IP address assigned to the wireless adapter is within the same IP address range as the access point and gateway. Since the DWL-2100AP has an IP address of 192.168.0.50, wireless adapters must have an IP address in the same range, e.g., 192.

168.0.x. Each device must have a unique IP address; no two devices may have the same IP address. The subnet mask must be the same for all the computers on the network.) To check the IP address assigned to the wireless adapter, double-click on the Local Area Connection icon in the taskbar > select the Support tab and the IP address will be displayed. Please refer to Checking the IP Address in the Networking Basics section of this manual.) it is necessary to assign a Static IP Address to the wireless adapter, please refer If to the appropriate section in Networking Basics. If you are entering a DNS Server address you must also enter the Default Gateway Address. (Remember that if you have a DHCP-capable router, you will not need to assign a static IP address. See Networking Basics: Assigning a Static IP Address.) DWL-2100AP User Manual 100 3. Check that the drivers for the network adapters are installed properly. You may be using different network adapters than those illustrated here, but this procedure will remain the same, regardless of the type of network adapters you are using. to Start > My Computer > Properties.

Go Select the Hardware Tab. Click Device Manager. DWL-2100AP User Manual 101 Double-click on Network Adapters. Right-click on D-Link AirPlus DWL-G680 Wireless Cardbus Adapter. (In this example we use the DWL-G680; you may be using other network adapters, but the procedure will remain the same.

Select Properties to check that the drivers are installed properly.



[You're reading an excerpt. Click here to read official D-LINK DWL-2100AP user guide](http://yourpdfguides.com/dref/5129724)
<http://yourpdfguides.com/dref/5129724>

□ Look under Device Status to check that the device is working properly. □ Click OK. DWL-2100AP User Manual 102 4. What variables may cause my wireless products to lose reception? D-Link products let you access your network from virtually anywhere you want. However, the positioning of the products within your environment will affect the wireless range. Please refer to Installation Considerations in the Wireless Basics section of this manual for further information about the most advantageous placement of your D-Link wireless products. 5. Why does my wireless connection keep dropping? □ Antenna Orientation- Try different antenna orientations for the DWL-2100AP. Try to keep the antenna at least 6 inches away from the wall or other objects.

□ you are using 2.4GHz cordless phones, X-10 equipment or other home security If systems, ceiling fans, and lights, your wireless connection will degrade dramatically or drop altogether. Try changing the channel on your router, access point and wireless adapter to a different channel to avoid interference. □ Keep your product away (at least 3-6 feet) from electrical devices that generate RF noise, like microwaves, monitors, electric motors, etc. 6. Why can't I get a wireless connection? If you have enabled encryption on the DWL-2100AP, you must also enable encryption on all wireless clients in order to establish a wireless connection. □ Make sure that the SSID on the router and the wireless client are exactly the same. If they are not, wireless connection will not be established. □ Move the DWL-2100AP and the wireless client into the same room and then test the wireless connection. □ Disable all security settings. □ Turn off your DWL-2100AP and the client. Turn the DWL-2100AP back on again, and then turn on the client. □ Make sure that all devices are set to Infrastructure mode. □ Check that the LED indicators are indicating normal activity. If not, check that the AC power and Ethernet cables are firmly connected.

□ Check that the IP address, subnet mask, gateway and DNS settings are correctly entered for the network. □ you are using 2.4GHz cordless phones, X-10 equipment or other home security If systems, ceiling fans, and lights, your wireless connection will degrade dramatically or drop altogether. Try changing the channel on your DWL-2100AP, and on all the devices in your network to avoid interference. □ Keep your product away (at least 3-6 feet) from electrical devices that generate RF noise, like microwaves, monitors, electric motors, etc.

DWL-2100AP User Manual 103 7. I forgot my encryption key. □ Reset the DWL-2100AP to its factory default settings and restore the other devices on your network to their default settings. You may do this by pressing the Reset button on the back of the unit. You will lose the current configuration settings.

DWL-2100AP User Manual 104 Technical Specifications Standards • IEEE 802.11b • IEEE 802.11g • IEEE 802.3 • IEEE 802.3u • IEEE 802.

3x Network Management • Web Browser interface • AP Manager • SNMP v.3 • Telnet Data Rate* For 802.11b: • 11, 5.5, 2, and 1Mbps For 802.11g: • 108, 54, 48, 36, 24, 18, 12, 9 and 6Mbps Security • 64/128/152-bit WEP • WPA (Wi-Fi Protected Access) - TKIP/AES/PSK • MAC Address Access Control List Wireless Frequency Range • 2.4GHz to 2.4835GHz Radio and Modulation Type For 802.11b: DSSS: • DBPSK @ 1Mbps • DQPSK @ 2Mbps • CCK @ 5.5 and 11Mbps For 802.11g: OFDM: • BPSK @ 6 and 9Mbps • QPSK @ 12 and 18Mbps • 16QAM @ 24 and 36Mbps • 64QAM @ 48 and 54Mbps DSSS: • DBPSK @ 1Mbps • DQPSK @ 2Mbps • CCK @ 5.

5 and 11Mbps Receiver Sensitivity For 802.11b: • 1Mbps: -94dBm • 2Mbps: -90dBm • 5.5Mbps: -88dBm • 11Mbps: -85dBm For 802.11g: • 1Mbps: -94dBm • 2Mbps: -91dBm • 5.5Mbps: -89dBm • 6Mbps: -91dBm • 9Mbps: -90dBm • 11Mbps: -86dBm • 12Mbps: -89dBm • 18Mbps: -87dBm • 24Mbps: -84dBm • 36Mbps: -80dBm • 48Mbps: -76dBm • 54Mbps: -73dBm Transmit Output Power Typical RF Output Power at each Data Rate: For 802.

11b: • 31mW (15dBm) @ 54 and 108Mbps • 40mW (16dBm) @ 48Mbps • 63mW (18dBm) @ 36, 24, 18, 12, 9, and 6Mbps For 802.11g: • 63mW (18dBm) @ 11, 5.5, 2, and 1Mbps Wireless Operating Range* 802.11g (Full Power with 2dBi gain diversity dipole antenna) Indoor: • 98ft (30m) @ 54Mbps • 105ft (32m) @ 48Mbps • 121ft (37m) @ 36Mbps • 148ft (45m) @ 24Mbps • 197ft (60m) @ 18Mbps • 223ft (68m) @ 12Mbps • 253ft (77m) @ 9Mbps • 295ft (90m) @ 6Mbps Outdoor: • 312ft (95m) @ 54Mbps • 951ft (290m) @ 11Mbps • 1378ft (420m) @ 6Mbps Operating Voltage • 5VDC +/- 10% LEDs • Power • 10M/100M • WLAN * Maximum wireless signal rate derived from IEEE Standard 802.11g specifications.

Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range. DWL-2100AP User Manual 105 Temperature • Operating: -32oF to 104oF (0oC to 40oC) • Storing: -4oF to 149oF (-20oC to 65oC) Humidity • Operating: 10%~90% (non-condensing) • Storing: 5%~95% (non-condensing) Certifications • FCC Part 15 • CSA • UL • Wi-Fi Dimensions • L = 5.59 inches (142mm) • W = 4.29 inches (109mm) • H = 1.22 inches (31mm) Warranty • 3 Years DWL-2100AP User Manual 106 Technical Support You can find software updates and user documentation on the D-Link website. D-Link provides free technical support for customers within the United States and within Canada for the duration of the warranty period on this product. U.S.

and Canadian customers can contact D-Link Technical Support through our website, or by phone. Tech Support for customers within the United States: D-Link Technical Support over the Telephone: (877) 453-5465 24 hours a day, seven days a week D-Link Technical Support over the Internet: <http://support.dlink.com> Tech Support for customers within Canada: D-Link Technical Support over the Telephone: (800) 361-5265 Monday to Friday 7:30am to 9:00pm EST D-Link Technical Support over the Internet: <http://support.dlink.ca> DWL-2100AP User Manual 107 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.



[You're reading an excerpt. Click here to read official D-LINK](#)

[DWL-2100AP user guide](#)

<http://yourpdfguides.com/dref/5129724>