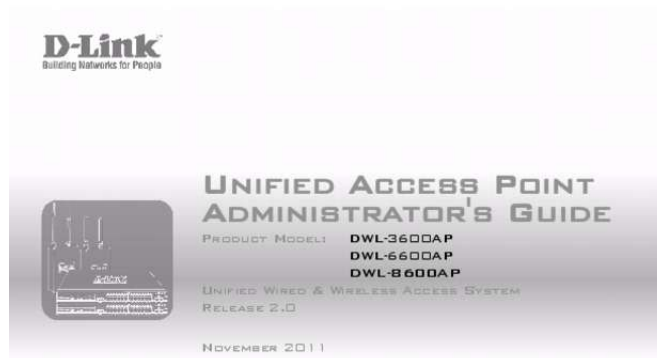




# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for D-LINK DWL-3600AP. You'll find the answers to all your questions on the D-LINK DWL-3600AP 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-3600AP**  
**User guide D-LINK DWL-3600AP**  
**Operating instructions D-LINK DWL-3600AP**  
**Instructions for use D-LINK DWL-3600AP**  
**Instruction manual D-LINK DWL-3600AP**



©COPYRIGHT 2011. ALL RIGHTS RESERVED.



[You're reading an excerpt. Click here to read official D-LINK DWL-3600AP user guide](http://yourpdfguides.com/dref/5435312)  
<http://yourpdfguides.com/dref/5435312>

*Manual abstract:*

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

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

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

*.....16 Wireless Client Requirements..*

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

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

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

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

*.....17 Dynamic and Static IP Addressing on the AP....*

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

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

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

*.17 Recovering an IP Address....*

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

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

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





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

*.....27 Using the CLI to Configure 802.1X Authentication Information ....*

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

*.....27 Verifying the Installation....*

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

*..28 Configuring Security on the Wireless Access Point ...*

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

*.....29 Section 3: Viewing Access Point Status ...*

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

.....  
.....  
.....  
... 30 Viewing Interface Status .....

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

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

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

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

.....31 Wired Settings (Internal Interface) .

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

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

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

.....31 Wireless Settings..

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

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

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

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

.....31 Viewing Events .....

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

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

*..32 Configuring Persistent Logging Options....*

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

*...32 Configuring the Log Relay Host for Kernel Messages .....*

.....

.....

.....

.....

.....

.....

.....

*.....34 Enabling or Disabling the Log Relay Host on the Events Page .*

.....

.....

.....

.....

.....

.....

.....

*..34 Viewing Transmit and Receive Statistics ...*

.....

.....

.....

.....

.....

.....

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

*...36 Viewing Associated Wireless Client Information .....*

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

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

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

*.38 Viewing TSPEC Client Associations .....*

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

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

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

*.39 Link Integrity Monitoring ....*

.....  
.....

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

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

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

*41 Viewing Rogue AP Detection .....*

.....  
.....

.....  
.....



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

.....41 D-Link November 2011 Unified Access Point Administrator's Guide Page 3 Unified Access Point Administrator's Guide  
Saving and Importing the Known AP List .

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

.....  
.....44 Viewing Managed AP DHCP Information.

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

.....45 Viewing TSPEC Status and Statistics Information.....

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

.....45 Viewing TSPEC AP Statistics Information.....

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

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

*....47 Viewing Radio Statistics Information .....*

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

*48 Viewing Email Alert Operational Status .....*

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

*..50 Section 4: Managing the Access Point.....*

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

*51 Ethernet Settings .....*

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

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

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

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

.....51 Wireless Settings ..

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

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

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

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

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

.....54 Using the 802.11h Wireless Mode...

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

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

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

..57 Enabling AeroScout™ Engine Support ...

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

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

.....  
.....

.....  
.....

*.57 Modifying Radio Settings .....*

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

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

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

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

*.....58 Configuring Radio and VAP Scheduler ....*

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

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

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

*.65 Scheduler Association Settings ....*

.....  
.....

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

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

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

*.....68 Virtual Access Point Settings...*

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

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

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

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

.....70 None (Plain-text)...

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

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

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

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

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

....74 Static WEP.

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

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

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

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

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

.74 Static WEP Rules ....

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

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





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

.....84 Controlling Access by MAC Authentication ..

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

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

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

.....  
.....

85 Configuring a MAC Filter and Station List on the AP.....

.....

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

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

...85 Configuring MAC Authentication on the RADIUS Server .....

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

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

....87 Configuring Load Balancing.

.....  
.....

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

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

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

.....  
.....







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

99 D-Link November 2011 Unified Access Point Administrator's Guide Page 4 Unified Access Point Administrator's Guide Setting the SSH Status .....

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

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

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

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

.....101 Setting the Telnet Status..

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

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

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

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

.....101 Configuring Quality of Service..

.....  
.....

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

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

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

.....102 Configuring Email Alert ..

.....  
.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

....106 Enabling the Time Settings (NTP).

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....109 Section 6: Configuring SNMPv3 .....

.....

.....

.....

.....

.....

138 Creating a DiffServ Policy Map.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

144 Client QoS Status .....

.....













.....  
.....  
.....  
*..164 VAP Configuration from the Web Interface.....*

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

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

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

*.164 VAP Configuration from the CLI .....*

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

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

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

*.....165 VAP Configuration Using SNMP ..*

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

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

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

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

*.....166 Configuring Radio Settings .....*

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

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

.....

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

.....166 Radio Configuration from the Web Interface ....

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

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

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

..166 Radio Configuration from the CLI .....

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

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

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

.....168 Radio Configuration Using SNMP ....

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

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

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

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

168 Configuring the Wireless Distribution System.....

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

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



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

.....172 Clustering APs by Using the Web Interface .....

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

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

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

....172 Clustering APs by Using the CLI.....

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

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

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

..173 Clustering APs by Using SNMP...

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

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

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

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

.174 Configuring Client QoS .....

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

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





[You're reading an excerpt. Click here to read official D-LINK  
DWL-3600AP user guide  
http://yourpdfguides.com/dref/5435312](http://yourpdfguides.com/dref/5435312)

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

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

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

.....  
*...179 ACL Configuration..*

.....  
.....

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

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

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

.....  
*....179 DiffServ Configuration .*

.....  
.....

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

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

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

.....  
*..... 179 ACL Configuration..*

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

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

.....  
.....





.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....32 *Figure 4: Persistent Logging Options...*

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

....33 *Figure 5: Log Relay Host .*

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

34 *Figure 6: Viewing Traffic Statistics.....*

.....

.....

.....

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

.....36 *Figure 7: Viewing Client Association Information ....*

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

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

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

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

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

.....38 *Figure 8: Viewing TSPEC Client Associations ..*

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

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

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

.....39 *Figure 9: Viewing Rogue and Known Access Points ..*

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

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

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

.....41 *Figure 10: Viewing TSPEC Status and Statistics ...*

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

.....  
.....



.....  
52 *Figure 14: Wireless Interface Configuration.....*

.....  
.....

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

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

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

.54 *Figure 15: Configuring Radio Settings .....*

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

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

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

.....  
.58 *Figure 16: Configuring Radio Settings (Continued) ....*

.....  
.....

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

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

.....  
.59 *Figure 17: Scheduler Configuration.....*

.....  
.....

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

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

.....

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

..... 65 *Figure 18: Modify Rule Configuration* .....

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

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

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

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

.....67 *Figure 19: Scheduler Association* .....

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

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

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

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

..68 *Figure 20: Setting Up Virtual Access Points*.....

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

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

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

....71 *Figure 21: Configuring WDS Settings*.....

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

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

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

.....82 *Figure 22: Configuring MAC Authentication* .....

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

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

.....86 *Figure 23: Configuring Load Balancing* .....

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

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

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

.....88 *Figure 24: Configuring Managed Access Point Settings* .....

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

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

.....90 *Figure 25: IEEE 802.1X Authentication* .....

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







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

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

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

...106 Figure 33: Setting the System Time.....

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

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

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

.....  
.....

.109 Figure 34: SNMPv3 Views...

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

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

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

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

...111 Figure 35: SNMPv3 Groups .....

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

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

.....

.....113 D-Link November 2011 Unified Access Point Administrator's Guide Page 8 Unified Access Point Administrator's Guide Figure 36: SNMPv3 Users

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

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

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

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

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

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

....115 Figure 37: SNMPv3 Target.....

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

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

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

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

.....  
116 Figure 38: Maintenance .....

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

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

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

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



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

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

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

....139 Figure 43: Client QoS DiffServ Policy Map.

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

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

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

.144 Figure 44: Client QoS Status .....

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

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

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

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

....146 Figure 45: Cluster Information and Member Configuration .....

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

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

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

...150 Figure 46: Cluster Information and Member Configuration ..

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



.....

.....

.....

.....

.....

.....

.....

.....

.....160 D-Link November 2011 Unified Access Point Administrator's Guide Page 9 Unified Access Point Administrator's Guide List of Tables Table 1:  
Typographical Conventions .....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..13 Table 2: Requirements for the Administrator's Computer ...

.....

.....

.....

.....

.....

.....

.....16 Table 3: Requirements for Wireless Clients .....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.17 Table 4: Basic Settings Page .....

.....

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

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

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

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

*.22 Table 5: CLI Commands for Ethernet Setting .....*

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

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

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

*26 Table 6: CLI Commands for the 802.1X Supplicant .....*

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

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

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

*.27 Table 7: Logging Options .....*

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

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

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

.....



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

.....  
*.33 Table 8: Log Relay Host ....*

.....  
.....

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

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

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

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

*...34 Table 9: Transmit/Receive.....*

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

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

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

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

*.37 Table 10: Associated Clients.....*

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

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

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

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

.....  
.....38 Table 11: TSPEC Client Associations ....

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

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

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

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

.....39 Table 12: Rogue AP Detection.

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

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

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

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

.42 Table 13: TSPEC Status and Statistics .....

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

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

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

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

..46 Table 14: TSPEC AP Statistics.....

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

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

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

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

.....47 *Table 15: Radio Statistics Information* ....

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

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

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

.....  
.....

48 *Table 16: Email Alert Status* .....

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

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

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

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

50 *Table 17: Ethernet Settings Page* .....

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

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

.....  
.....



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

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

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

.....  
.....69 *Table 22: Virtual Access Point Settings* .

.....  
.....

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

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

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

.....71 *Table 23: Static WEP*.....

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

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

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

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

.....  
.....

.....74 *Table 24: IEEE 802.*

*IX*.....

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

.....

















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

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

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

...124 Table 48: Packet Capture Configuration ..

.....

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

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

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

..124 Table 49: Packet File Capture .....

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

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

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

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

...125 Table 50: Remote Packet Capture.....

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

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

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

.....  
.....





....  
.....

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

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

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

.....  
.....

....146 Table 57: Client QoS RADIUS Attributes.

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

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

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

....147 Table 58: Access Points in the Cluster.....

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

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

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

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

..151 Table 59: Clustering Options .....

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

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



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

....151 Table 60: Session Management .....

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

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

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

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

. 153 Table 61: Channel Assignments.....

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

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

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

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

....156 Table 62: Last Proposed Changes.

.....

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

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

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

.....

....156 Table 63: Advanced Channel Management Settings.

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

157 Table 64: Wireless Neighborhood Information.....

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

....159 Table 65: Cluster Member Details.

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

.....160 Table 66: UAP Default Settings..

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

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

.....

..... 161 D-Link November 2011 Unified Access Point Administrator's Guide Page 11 Unified Access Point Administrator's Guide About This Document

Section 1: About This Document This guide describes setup, configuration, administration and maintenance for the D-Link DWL-x600AP Unified Access Point (UAP) on a wireless network. The three UAP models in the DWL-x600AP family include the DWL-3600AP, DWL-6600AP, and DWL-8600AP.

Document Organization The Unified Access Point Administrator's Guide contains the following sections:

- Section 1: "About This Document," on page 12
- Section 2: "Getting Started," on page 15
- Section 3: "Viewing Access Point Status," on page 30
- Section 4: "Managing the Access Point," on page 51
- Section 5: "Configuring Access Point Services," on page 95
- Section 6: "Configuring SNMPv3," on page 111
- Section 7: "Maintaining the Access Point," on page 117
- Section 8: "Configuring Client Quality of Service," on page 128
- Section 9: "Clustering Multiple APs," on page 149
- Appendix A: "Default AP Settings," on page 161
- Appendix B: "Configuration Examples," on page 164

Additional Documentation The following documentation provides additional information about Unified Access Point software:

- The Unified Access Point CLI Command Reference describes the commands available from the command-line interface (CLI) for managing, monitoring, and configuring the switch.
- The User Manual for the D-Link Unified Wired and Wireless System provides information about setting up and managing the Unified Wireless Switch (UWS), including information about how to use the switch to manage multiple UAPs.
- Release notes for the D-Link Unified Wired and Wireless System detail the platform-specific functionality of the software packages, including issues and workarounds.

D-Link November 2011 Unified Access Point Administrator's Guide Page 12

Unified Access Point Administrator's Guide Document Conventions Document Conventions This section describes the conventions this document uses.

Note: A note provides more information about a feature or technology and cross-references to related topics.

Caution! A caution provides information about critical aspects of AP configuration, combinations of settings, events, or procedures that can adversely affect network connectivity, security, and so on.

The following table describes the typographical conventions used in this guide. Table 1: Typographical Conventions

Symbol	Description
<b>Bold</b>	Menu titles, page names, and button names
<i>Italic</i>	Hyperlinked text
<code>Courier font</code>	Screen text, file names, commands, user-typed command-line entries
<code>Command parameter</code>	Command parameter, which might be a variable or fixed value.
[ ]	Indicates an optional fixed parameter.
{ }	Indicates that you must select a parameter from the list of choices.
	Separates the mutually exclusive choices.
[ ]	Indicate a choice within an optional element.
[ ]	Square brackets
{ }	Curly braces
	Vertical bars
[ ]	Braces within square brackets

D-Link November 2011 Unified Access Point Administrator's Guide Page 13 Unified Access Point Administrator's Guide Online Help, Supported Browsers, and Limitations

Online Help, Supported Browsers, and Limitations

Online help for the UAP Administration Web pages provides information about all fields and features available from the user interface (UI). The information in the online help is a subset of the information available in the Unified Access Point Administrator's Guide.

Online help information corresponds to each page on the UAP Administration UI.

For information about the settings on the current page, click the Help link on the upper right side of a page.



[You're reading an excerpt. Click here to read official D-LINK  
DWL-3600AP user guide  
http://yourpdfguides.com/dref/5435312](http://yourpdfguides.com/dref/5435312)

The following figure shows an example of the online help available from the links on the user interface. Figure 1: Administrator UI Online Help D-Link November 2011 Unified Access Point Administrator's Guide Page 14 Unified Access Point Administrator's Guide Getting Started Section 2: Getting Started The D-Link DWL-x600AP unified access point (UAP) provides continuous, high-speed access between wireless devices and Ethernet devices.

*It is an advanced, standards-based solution for wireless networking in businesses of any size. The UAP enables wireless local area network (WLAN) deployment while providing state-of-the-art wireless networking features.*

*The UAP can operate in two modes: Standalone Mode or Managed Mode. In Standalone Mode, the UAP acts as an individual access point in the network, and you manage it by using the Administrator Web User Interface (UI), command-line interface (CLI), or SNMP. In Managed Mode, the UAP is part of the D-Link Unified Wired and Wireless System, and you manage it by using the D-Link Unified Wireless Switch. If an AP is in Managed Mode, the Administrator Web UI, Telnet, SSH, and SNMP services are disabled.*

*This document describes how to perform the setup, management, and maintenance of the UAP in Standalone Mode. For information about configuring the AP in Managed Mode by using the D-Link Unified Wireless Switch, see the User Manual for the switch.*

*Before you power on a new UAP, review the following sections to check required hardware and software components, client configurations, and compatibility issues. Make sure you have everything you need for a successful launch and test of your new or extended wireless network.*

*The DWL-6600AP and DWL-8600AP are dual-radio access points and support the IEEE 802.11a, 802.11b, 802.11g, and 802.11n modes.*

*The DWL-3600AP is a single-radio access point and supports the IEEE 802.11b, IEEE 802.11g, and 802.11n (2.4 GHz) modes.*

*This section contains the following topics:*

- "Administrator's Computer Requirements"
- "Wireless Client Requirements"
- "Dynamic and Static IP Addressing on the AP"
- "Installing the UAP"
- "Basic Settings"
- "Using the CLI to View the IP Address"
- "Configuring the Ethernet Settings"
- "Configuring IEEE 802.1X Authentication"
- "Verifying the Installation"
- "Configuring Security on the Wireless Access Point"

*To manage the UAP by using the Web interface or by using the CLI through Telnet or SSH, the AP needs an IP address. If you use VLANs or IEEE 802.1X Authentication (port security) on your network, you might need to configure additional settings on the AP before it can connect to the network.*

*Note: The WLAN AP is not designed to function as a gateway to the Internet. To connect your WLAN to other LANs or the Internet, you need a gateway device. D-Link November 2011 Unified Access Point Administrator's Guide Page 15 Unified Access Point Administrator's Guide Administrator's Computer Requirements Administrator's Computer Requirements*

*The following table describes the minimum requirements for the administrator's computer for configuration and administration of the UAP through a Web-based user interface (UI). Table 2: Requirements for the Administrator's Computer Required Software or Component Serial or Ethernet Connection to the Access Point Wireless Connection to the Network Description*

*The computer used to configure the first access point must be connected to the access point by a serial cable or an Ethernet cable. After initial configuration and launch of the first access point on your new wireless network, you can make subsequent configuration changes through the Administration Web pages using a wireless connection to the internal network. For wireless connection to the access point, your administration device will need Wi-Fi capability similar to that of any wireless client:*

*Portable or built-in Wi-Fi client adapter that supports one or more of the IEEE 802.*



[You're reading an excerpt. Click here to read official D-LINK DWL-3600AP user guide](http://yourpdfguides.com/dref/5435312)

<http://yourpdfguides.com/dref/5435312>

11 modes in which you plan to run the access point. Wireless client software configured to associate with the UAP. Configuration and administration of the UAP is provided through a Web-based user interface hosted on the access point. We recommend using one of the following supported Web browsers to access the access point Administration Web pages:

- Microsoft® Internet Explorer® version 7.x or 8.x (with up-to-date patch level for either major version)
- Mozilla® Firefox version 3.5 or later
- Safari 5 and later versions

The administration Web browser must have JavaScript™ enabled to support the interactive features of the administration interface. Ensure that security is disabled on the wireless client used to initially configure the access point. Web Browser and Operating System Security Settings D-Link November 2011 Unified Access Point Administrator's Guide Page 16 Unified Access Point Administrator's Guide Wireless Client Requirements Wireless Client Requirements

The UAP provides wireless access to any client with a properly configured Wi-Fi client adapter for the 802.11 mode in which the access point is running. The UAP supports multiple client operating systems. Clients can be laptop or desktop computers, personal digital assistants (PDAs), or any other hand-held, portable or stationary device equipped with a Wi-Fi adapter and supporting drivers.

To connect to the access point, wireless clients need the software and hardware described in the following table. Table 3: Requirements for Wireless Clients

Required Component	Wi-Fi Client Adapter Description
Portable or built-in Wi-Fi client adapter that supports one or more of the IEEE 802.11 modes in which you plan to run the access point.	
Wireless Client Software	Client software, such as Microsoft Windows Supplicant, configured to associate with the UAP. Client Security Settings Security should be disabled on the client used to do initial configuration of the access point.
	If the Security mode on the access point is set to anything other than plain text, wireless clients will need to set a profile to the authentication mode used by the access point and provide a valid username and password, certificate, or similar user identity proof. Security modes are Static WEP, IEEE 802.1X, WPA with RADIUS server, and WPA-PSK.

For information about configuring security on the access point, see "Virtual Access Point Settings" on page 70. Dynamic and Static IP Addressing on the AP

When you power on the access point, the built-in DHCP client searches for a DHCP server on the network in order to obtain an IP Address and other network information. If the AP does not find a DHCP server on the network, the AP continues to use its default Static IP Address (10.90.90.91) until you re-assign it a new static IP address (and specify a static IP addressing policy) or until the AP successfully receives network information from a DHCP server. To change the connection type and assign a static IP address by using the CLI, see "Configuring the Ethernet Settings" on page 25 or, by using the Web UI, see "Ethernet Settings" on page 51.

Caution! If you do not have a DHCP server on your internal network, and do not plan to use one, the first thing you must do after powering on the access point is change the connection type from DHCP to static IP. You can either assign a new static IP address to the AP or continue using the default address. We recommend assigning a new static IP address so that if you bring up another WLAN AP on the same network, the IP address for each AP will be unique.

D-Link November 2011 Unified Access Point Administrator's Guide Page 17 Unified Access Point Administrator's Guide Dynamic and Static IP Addressing on the AP Recovering an IP Address

If you experience trouble communicating with the access point, you can recover a static IP address by resetting the AP configuration to the factory defaults (see "Resetting the Factory Default Configuration" on page 120), or you can get a dynamically assigned address by connecting the AP to a network that has a DHCP server.



[You're reading an excerpt. Click here to read official D-LINK DWL-3600AP user guide](http://yourpdfguides.com/dref/5435312)  
<http://yourpdfguides.com/dref/5435312>

#### Discovering a Dynamically Assigned IP Address

If you have access to the DHCP server on your network and know the MAC address of your AP, you can view the new IP address associated with the MAC address of the AP.

If you do not have access to the DHCP server that assigned the IP address to the AP or do not know the MAC address of the AP, you might need to use the CLI to find out what the new IP address is. For information about how to discover a dynamically assigned IP address, see "Using the CLI to View the IP Address" on page 24. D-Link November 2011 Unified Access Point Administrator's Guide Page 18 Unified Access Point Administrator's Guide Installing the UAP

To access the Administration Web UI, you enter the IP address of the AP into a Web browser. You can use the default IP address of the AP (10.90.90.91) to log on to the AP and assign a static IP address, or you can use a

DHCP server on your network to assign network information to the AP. The DHCP client on the AP is enabled by default.

To install the UAP, use the following steps: 1. Connect the AP to an administrative PC by using a LAN connection or a direct-cable connection. •

To use a LAN connection, connect one end of an Ethernet cable to the network port on the access point and the other end to the same hub where your PC is connected, as shown in the following figure.

The hub or switch you use must permit broadcast signals from the access point to reach all other devices on the network. •

To use a direct-cable connection, connect one end of an Ethernet straight-through or crossover cable to the network port on the access point and the other end of the cable to the Ethernet port on the PC, as shown in the following figure.

You can also use a serial cable to connect the serial port on the AP to a serial port on the administrative computer.

For initial configuration with a direct Ethernet connection and no DHCP server, be sure to set your PC to a static IP address in the same subnet as the default IP address on the access point. (The default IP address for the access point is 10.90.90.

91.) If you use this method, you will need to reconfigure the cabling for subsequent startup and deployment of

the access point so that the access point is no longer connected directly to the PC but instead is connected to the LAN (either by using a hub or directly). D-Link November 2011 Unified Access Point Administrator's Guide Page 19 Unified Access Point Administrator's Guide Installing the UAP

Note: It is possible to detect access points on the network with a wireless connection. However,

we strongly advise against using this method. In most environments you may have no way of knowing whether you are actually connecting to the intended AP. Also, many of the initial

configuration changes required will cause you to lose connectivity with the AP over a wireless connection. 2.

Connect the power adapter to the power port on the back of the access point, and then plug the other end of the power cord into a power outlet. 3.

Use your Web browser to log on to the UAP Administration Web pages.

– If the AP did not acquire an IP address from a DHCP server on your network, enter 10.90.90.91 in the address field of your browser, which is the default IP address of the AP. –

If you used a DHCP server on your network to automatically configure network information for the AP, enter the new IP address of the AP into the Web browser. – If you used a DHCP server and you do not know the new IP address of the AP, use the following procedures to obtain the information: a. Connect a serial cable from the administrative computer to the AP and use a terminal emulation program to access the command-line interface (CLI).



[You're reading an excerpt. Click here to read official D-LINK](http://yourpdfguides.com/dref/5435312)

[DWL-3600AP user guide](http://yourpdfguides.com/dref/5435312)

<http://yourpdfguides.com/dref/5435312>

b. At the login prompt, enter admin for the user name and admin for the password. At the command prompt, enter get management.  
–The command output displays the IP address of the AP. Enter this address in the address field of your browser. For a more detailed explanation about how to log on to the CLI by using the console port, see “Using the CLI to View the IP Address” on page 24.

4. When prompted, enter admin for the user name and admin for the password, then click OK.

D-Link November 2011 Unified Access Point Administrator’s Guide Page 20 Unified Access Point Administrator’s Guide Installing the UAP

When you first log in, the Basic Settings page for UAP administration is displayed, as the following figure shows. 5.

Verify the settings on the Basic Settings page. • Review access point description and provide a new administrator password for the access point if you do not want to use the default password, which is admin. • Click the Apply button to activate the wireless network with these new settings.

D-Link November 2011 Unified Access Point Administrator’s Guide Page 21 Unified Access Point Administrator’s Guide Basic Settings

Note: The changes you make are not saved or applied until you click Apply. Changing some access point settings might cause the AP to stop and restart system processes. If this happens, wireless

clients will temporarily lose connectivity. We recommend that you change access point settings when WLAN traffic is low.

For information about the fields and configuration options on the Basic Settings page, see “Basic Settings” on page 22. 6.

If you do not have a DHCP server on the management network and do not plan to use one, you must change the Connection Type from DHCP to Static IP.

You can either assign a new Static IP address to the AP or continue using the default address. We

recommend assigning a new Static IP address so that if you bring up another UAP on the same network,

the IP address for each AP will be unique. To change the connection type and assign a static IP address, see

“Configuring the Ethernet Settings” on page 25 (CLI) or “Ethernet Settings” on page 51 (Web).

7. If your network uses VLANs, you might need to configure the management VLAN ID or untagged VLAN ID on the UAP in order for it to work with your network. For information about how to configure VLAN information, see “Configuring the Ethernet Settings” on page 25 (CLI) or “Ethernet Settings” on page 51 (Web). 8.

If your network uses IEEE 802.1X port security for network access control, you must configure the 802.1X supplicant information on the AP.

For information about how to configure the 802.1X user name and password, see “Configuring IEEE 802.1X Authentication” on page 27.

Basic Settings From the Basic Settings page, you can view various information about the UAP, including IP and MAC address information, and configure the administrator password for the UAP. Table 4 describes the fields and configuration options on the Basic Settings page.

Table 4: Basic Settings Page

Field	IP Address	IPv6 Address	IPv6 Link Local Address	MAC Address	Description
-------	------------	--------------	-------------------------	-------------	-------------

Shows the IP address assigned to the AP. This field is not editable on this page because

the IP address is already assigned (either by DHCP, or statically through the Ethernet Settings page). Shows the IPv6 address assigned to the AP.

This field is not editable on this page because the IP address is already assigned (either by DHCPv6, or statically through the Ethernet Settings page).

Shows the IPv6 Link Local address, which is the IPv6 address used by the local physical

link. The link local address is not configurable and is assigned by using the IPv6 Neighbor Discovery process.

Shows the MAC address of the AP. The address shown here is the MAC address associated with the management interface.

This is the address by which the AP is known externally to other networks.



[You're reading an excerpt. Click here to read official D-LINK](http://yourpdfguides.com/dref/5435312)

[DWL-3600AP user guide](http://yourpdfguides.com/dref/5435312)

<http://yourpdfguides.com/dref/5435312>

Shows version information about the firmware currently installed on the AP. As new

versions of the WLAN AP firmware become available, you can upgrade the firmware on your APs. Product Identifier Identifies the AP hardware model.

Hardware Version Identifies the AP hardware version. Serial Number Shows the AP serial number. Device Name

Generic name to identify the type of hardware. Device Description Provides information about the product hardware. Current Password

Enter the current administrator password.

You must correctly enter the current password before you are able to change it. New Password

Enter a new administrator password. The characters you enter are displayed as bullet characters to prevent others from seeing your password as you type.

The administrator password must be an alphanumeric string of up to 8 characters. Do not use special characters or spaces.

Note: As an immediate first step in securing your wireless network, we recommend that you change the administrator password from the default.

Confirm New Re-enter the new administrator password to confirm that you typed it as intended. Password Baud Rate

Select a baud rate for the serial port connection. The baud rate on the AP must match

the baud rate on the terminal or terminal emulator to connect to the AP command-line interface (CLI) by using a serial (console) connection.

The following baud rates are available: • 9600 • 19200 • 38400 • 57600 • 115200 System Name Enter a name for the AP.

This name appears only on the Basic Settings page and is a name to identify the AP to the administrator. Use up to 64 alphanumeric characters, for

example My AP. System Contact Enter the name, e-mail address, or phone number of the person to contact regarding issues related to the AP.

System Location Enter the physical location of the AP, for example Conference Room A. D-Link November 2011 Unified Access Point Administrator's Guide

Page 23 Unified Access Point Administrator's Guide Using the CLI to View the IP Address Connecting to the AP Web Interface by Using the IPv6 Address

To connect to the AP by using the IPv6 global address or IPv6 link local address, you must enter the AP address into your browser in a special format.

Note: The following instructions and examples work with Microsoft Internet Explorer 7 (IE7) and might not work with other browsers.

To connect to an IPv6 global address, add square brackets around the IPv6 address. For example, if the AP

global IPv6 address is 2520::230:abff:fe00:2420, type the following address into the IE7 address field: http:// [2520::230:abff:fe00:2420].

To connect to the IPv6 link local address, replace the colons (:) with hyphens (-), add the interface number preceded with an "s," then add ".ipv6-literal.net." For example, if the AP link local address is fe80::230:abff:fe00:2420, and the Windows interface is defined as "%6," type the following address into the

IE7 address field: http://fe80--230-abff-fe00-2420s6.ipv6-literal.net. Using the CLI to View the IP Address

The DHCP client on the UAP is enabled by default. If you connect the UAP to a network with a DHCP server, the

AP automatically acquires an IP address. To manage the UAP by using the Administrator UI, you must enter the

IP address of the access point into a Web browser.

If a DHCP server on your network assigns an IP address to the UAP, and you do not know the IP address, use

the following steps to view the IP address of the UAP: 1.

Using a null-modem cable, connect a VT100/ANSI terminal or a workstation to the console (serial) port.

If you attached a PC, Apple, or UNIX workstation, start a terminal-emulation program, such as HyperTerminal or TeraTerm.

2. Configure the terminal-emulation program to use the following settings: • Baud rate: 115200 bps • Data bits: 8 • Parity: none • Stop bit: 1 •

Flow control: none 3.



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

[DWL-3600AP user guide](#)

<http://yourpdfguides.com/dref/5435312>



Press the return key, and a login prompt should appear.

The login name is admin. The default password is admin. After a successful login, the screen shows the (Access Point Name)# prompt. D-Link November 2011 Unified Access Point Administrator's Guide Page 24 Unified Access Point Administrator's Guide Configuring the Ethernet Settings 4.

At the login prompt, enter get management. Information similar to the following prints to the screen. Configuring the Ethernet Settings

The default Ethernet settings, which include DHCP and VLAN information, might not work for all networks.

By default, the DHCP client on the UAP automatically broadcasts requests for network information. If you want to use a static IP address, you must disable the DHCP client and manually configure the IP address and other network information.

The management VLAN is VLAN 1 by default. This VLAN is also the default untagged VLAN. If you already have a management VLAN configured on your network with a different VLAN ID, you must change the VLAN ID of the management VLAN on the access point.

For information about using the Web interface to configure the Ethernet settings, see "Ethernet Settings" on page 51. You can also use the CLI to configure the Ethernet settings, which the following section describes. D-Link November 2011

Unified Access Point Administrator's Guide Page 25 Unified Access Point Administrator's Guide Configuring the Ethernet Settings Using the CLI to Configure Ethernet Settings Use the commands shown in the following table to view and set values for the Ethernet (wired) interface. For more information about each setting, see the description for the field in Table 17 on page 52. Table 5: CLI Commands for Ethernet Setting Action

Get the DNS Name Set the DNS Name Command get host id set host id <host\_name> For example: set host id vicky-ap

Get Current Settings for the Ethernet (Wired) Internal Interface Set the management VLAN ID View untagged VLAN information Enable the untagged VLAN

Disable the untagged VLAN Set the untagged VLAN ID View the connection type Use DHCP as the connection type Use a Static IP as the connection type

Set the Static IP address get management set management vlan-id <1-4094> get untagged-vlan set untagged-vlan status up set untagged-vlan status down

set untagged-vlan vlan-id <1-4094> get management dhcp-status set management dhcp-status up set management dhcp-status down

set management static-ip <ip\_address> For example: set management static-ip 10.

10.12.221 Set a Subnet Mask set management static-mask <netmask> For example: set management static-mask 255.255.255.0 Set the Default Gateway

set static-ip-route gateway <ip\_address> For example: set static-ip-route gateway 10.10.12.1 get host dns-via-dhcp

View the DNS Nameserver mode Dynamic= up Manual=down Set DNS Nameservers to Use Static IP Addresses (Dynamic set host dns-via-dhcp down

set host static-dns-1 <ip\_address> to Manual Mode) set host static-dns-2 <ip\_address> For example: set host static-dns-1 192.168.

23.45 Set DNS Nameservers to Use DHCP IP Addressing (Manual set host dns-via-dhcp up to Dynamic Mode)

In the following example, the administrator uses the CLI to set the management VLAN ID to 123 and to disable

the untagged VLAN so that all traffic is tagged with a VLAN ID. D-Link-WLAN-AP# set management vlan-id 123

D-Link-WLAN-AP# set untagged-vlan status down D-Link November 2011 Unified Access Point Administrator's Guide Page 26

Unified Access Point Administrator's Guide Configuring IEEE 802.1X Authentication D-Link-WLAN-AP# get management Property Value

Property	Value
----- vlan-id	123
interface	brtrunk static-ip
ip	10.90.90.91 static-mask
	255.0.0.0



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

[DWL-3600AP user guide](#)

<http://yourpdfguides.com/dref/5435312>