Product Highlights

SEVERAL OPERATION MODES

Access point/router

802.11N

High connection rate (up to 300Mbps) and superior wireless range

SECURITY

Multiple firewall functions, several security standards for wireless connection

DAP-1360U

Wireless N300 Access Point & Router

Wireless Interface

Using DAP-1360U, you are able to quickly create a wireless network and let your relatives or employees connect to it virtually anywhere (within the operational range of your wireless network). The access point can operate as a base station for connecting wireless devices of the standards 802.11b, 802.11g, and 802.11n (at the rate up to 300Mbps).

Secure Wireless Connection

The device supports multiple functions for the wireless interface: several security standards (WEP, WPA/WPA2), MAC address filtering, different operation modes (access point, router, client), WPS, WDS, WMM.

In addition, the device is equipped with a button for switching the Wi-Fi network off/on. If needed, for example, when you leave home, you can easily switch the access point's WLAN by pressing the button, and devices connected to the LAN ports of the access point will stay online.

Advanced Capabilities of Wireless Network

Smart adjustment of Wi-Fi clients is useful for networks based on several D-Link access points or routers – when the smart adjustment function is configured on each of them, a client always connects to the access point (router) with the highest signal level.

Support of guest Wi-Fi network in the router mode allows you to create a separate wireless network with individual security settings and maximum rate limitation. Devices connected to the guest network will be able to access the Internet, but will be isolated from the devices and resources of the access point's LAN.

Access Point Mode

You are able to use DAP-1360U switched to the access point mode to create a wireless network or to connect to a wired router.

Router Mode

You are able to connect DAP-1360U switched to the router mode to a cable or DSL modem or to a private Ethernet line and use a high-speed Internet connection to successfully fulfill a wide range of professional tasks.

"Client" Function

The "client" function in the access point mode allows using DAP-1360U as a wireless client and a wireless repeater, in the router mode as a WISP repeater.

Security

In the router mode, the DAP-1360U device includes a built-in firewall. The advanced security functions minimize threats of hacker attacks, prevent unwanted intrusions to your network, and block access to unwanted websites for users of your LAN.

Easy configuration and update

You can configure the settings of the DAP-1360U device via the user-friendly web-based interface (the interface is available in two languages – in Russian and in English).

The configuration wizard allows you to connect DAP-1360U to a wired or wireless ISP (when switched to the router mode) in several simple steps or quickly set needed parameters for operation as an access point, repeater, or client (when switched to the access point mode).

Now you can simply update the firmware: the access point itself finds approved firmware on D-Link update server and notifies when ready to install it.

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DAP-1360U Wireless N300 Access Point & Router

Hardware	
Processor	· RTL8196D (620MHz)
RAM	· 32MB, SDRAM
Flash	· 4MB, SPI
Interfaces	· 10/100BASE-TX WAN port · 4 10/100BASE-TX LAN ports
LEDs	· POWER · WLAN · WPS · INTERNET · 4 LAN LEDS
Buttons	· ON/OFF button to power on/power off · RESET button to restore factory default settings · WPS button to set up wireless connection and enable/disable wireless network
Antenna	· Two detachable omnidirectional antennas (5dBi gain) · RP-SMA connector
Power connector	· Power input connector (DC)

Software	
Operation Modes	· Access point · Router
WAN connection types	· PPPoE · Static IPv4 / Dynamic IPv4 · PPPoE + Static IP (PPPoE Dual Access) · PPPoE + Dynamic IP (PPPoE Dual Access) · PPTP/L2TP · PPTP/L2TP + Static IP · PPTP/L2TP + Dynamic IP
Network functions	· DHCP server/relay · DNS relay · Dynamic DNS · Static IP routing · IGMP Proxy · RIP · Support of UPnP IGD · Support of VLAN · WAN ping respond · Support of SIP ALG · Support of RTSP · Autonegotiation of speed, duplex mode, and flow control/Manual speed and duplex mode setup for each Ethernet port · Setup of maximum TX rate for each port of the access point
Firewall functions	· Network Address Translation (NAT) · Stateful Packet Inspection (SPI) · IP filter · MAC filter · URL filter · DMZ · Prevention of ARP and DDoS attacks · Virtual servers
VPN	· IPsec/PPTP/L2TP/PPPoE pass-through
Management	· Local and remote access to settings through TELNET/WEB (HTTP/HTTPS) · Bilingual web-based interface for configuration and management (Russian/English) · Firmware update via web-based interface · Automatic notification on new firmware version · Saving/restoring configuration to/from file · Support of logging to remote host · Automatic synchronization of system time with NTP server and manual time/date setup · Ping utility · Traceroute utility

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DAP-1360U Wireless N300 Access Point & Router

Wireless Module Parameters	
Standards	· IEEE 802.11b/g/n
Frequency range	· 2400 ~ 2483.5MHz
Wireless connection security	· WEP · WPA/WPA2 (Personal/Enterprise) · MAC filter · WPS (PBC/PIN)
Advanced functions	· "Client" function (access point mode) Wireless network client Wireless network repeater · "Client" function (router mode) WISP repeater · WMM (Wi-Fi QoS) · Information on connected Wi-Fi clients · Advanced settings · Smart adjustment of Wi-Fi clients · Guest Wi-Fi / support of MBSSID · Limitation of wireless network rate · Periodic scan of channels, automatic switch to least loaded channel · WDS
Wireless connection rate	· IEEE 802.11b: 1, 2, 5.5, and 11Mbps · IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps · IEEE 802.11n: from 6.5 to 300Mbps (from MCS0 to MCS15)
Transmitter output power *The maximum value of the transmitter output power depends upon the radio frequency regulations applied in your country*	· 802.11b (typical at room temperature 25 °C) 15dBm (+/-1.5dB) at 1, 2, 5.5, 11Mbps · 802.11g (typical at room temperature 25 °C) 15dBm (+/-1.5dB) at 6, 9, 12, 18, 24, 36, 48, 54Mbps · 802.11n (typical at room temperature 25 °C) HT20 15dBm (+/-1.5dB) at MCS0/1/2/3/4/5/6/8/9/10/11/12/13/14 14dBm (+/-1.5dB) at MCS7/15 HT40 15dBm (+/-1.5dB) at MCS0/1/2/3/4/5/6/8/9/10/11/12/13/14 14dBm (+/-1.5dB) at MCS7/15

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Wireless Module Parameters	
Receiver sensitivity	· 802.11b (typical at PER = 8% at room temperature 25 °C) -82dBm at 1Mbps -80dBm at 2Mbps -78dBm at 5.5Mbps -76dBm at 11Mbps · 802.11g (typical at PER = 10% at room temperature 25 °C) -85dBm at 6Mbps -84dBm at 9Mbps -82dBm at 12Mbps -80dBm at 18Mbps -77dBm at 24Mbps -73dBm at 36Mbps -69dBm at 48Mbps -68dBm at 54Mbps · 802.11n (typical at PER = 10% at room temperature 25 °C) HT20 -82dBm at MCS0/8 -79dBm at MCS1/9 -77dBm at MCS2/10 -74dBm at MCS3/11 -70dBm at MCS4/12 -66dBm at MCS5/13 -65dBm at MCS6/14 -64dBm at MCS7/15 HT40 -79dBm at MCS0/8 -76dBm at MCS1/9 -74dBm at MCS2/10 -71dBm at MCS3/11 -67dBm at MCS4/12 -63dBm at MCS5/13 -62dBm at MCS6/14 -61dBm at MCS7/15
Modulation schemes	· 802.11b: DQPSK, DBPSK, DSSS, CCK · 802.11g: BPSK, QPSK, 16QAM, 64QAM with OFDM · 802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM

Physical Parameters	
Dimensions	· 174 x 115 x 30 mm (7 x 4.5 x 1.2 in)
Weight	· 248 g (0.55 lb)

Operating Environment	
Power	· Output: 12V DC, 0.5A
Temperature	· Operating: from 0 to 40 °C · Storage: from -20 to 65 °C
Humidity	· Operating: from 10% to 90% (non-condensing) · Storage: from 5% to 95% (non-condensing)

Delivery Package

- Access point DAP-1360U
- Power adapter DC 12V/0.5A
- Ethernet cable
- Two detachable antennas
- “Quick Installation Guide” (brochure)

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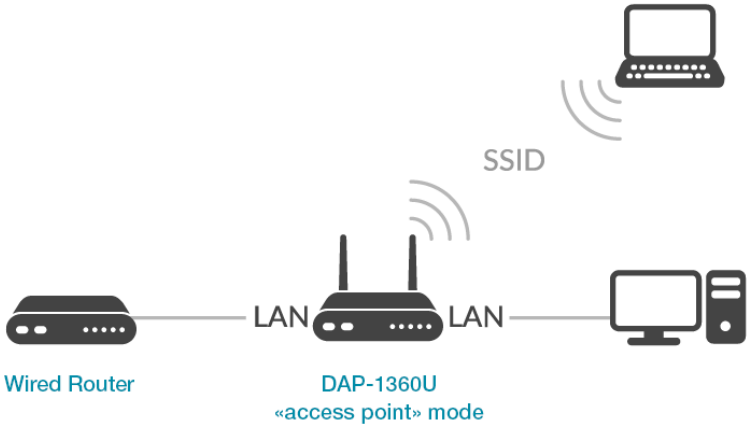
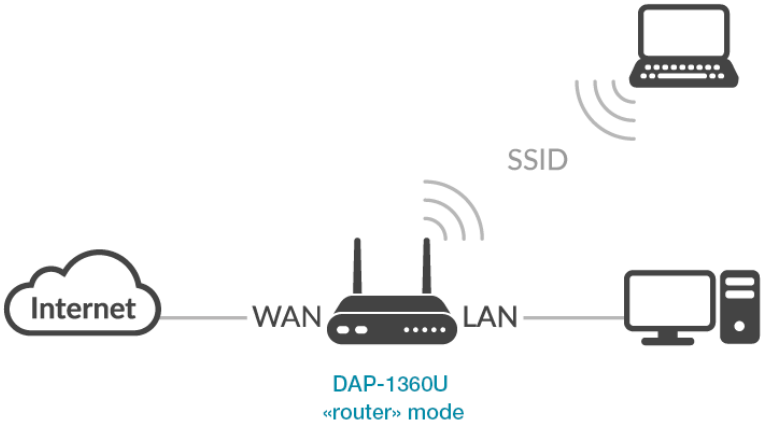
DAP-1360U **Wireless N300 Access Point & Router**

Access Point



The DAP-1360U device in the “access point” mode is connected to the wired router. Computers connect to DAP-1360U via wireless or wired connection.
It is necessary to specify the same encryption parameters and the channel of the wireless network for DAP-1360U and computers with Wi-Fi adapters.

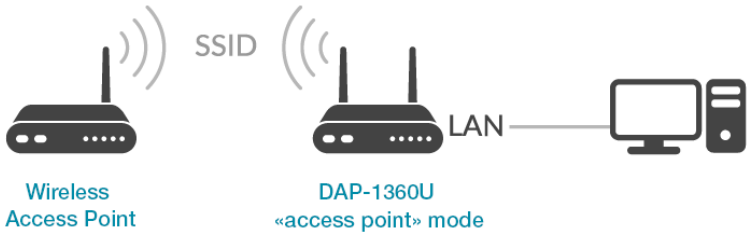
Router



The DAP-1360U device in the “router” mode is connected to a private Ethernet line or to a cable or DSL modem. Computers connect to DAP-1360U via wireless or wired connection.
It is necessary to specify the same encryption parameters and the channel of the wireless network for DAP-1360U and computers with Wi-Fi adapters. In addition, it is necessary to configure a WAN connection for DAP-1360U.

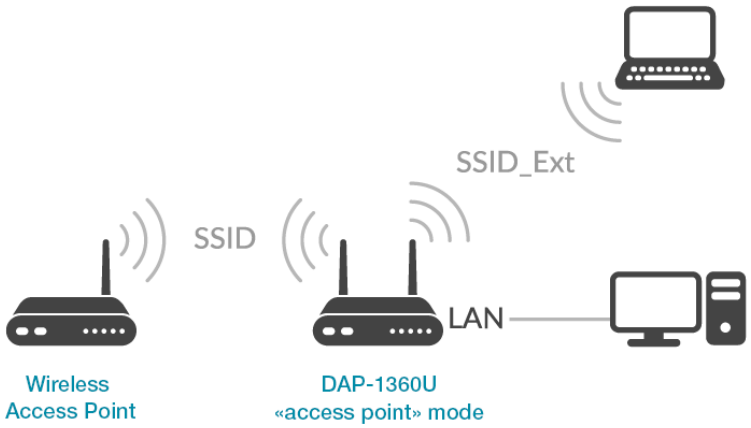
Client

Wireless Network Client



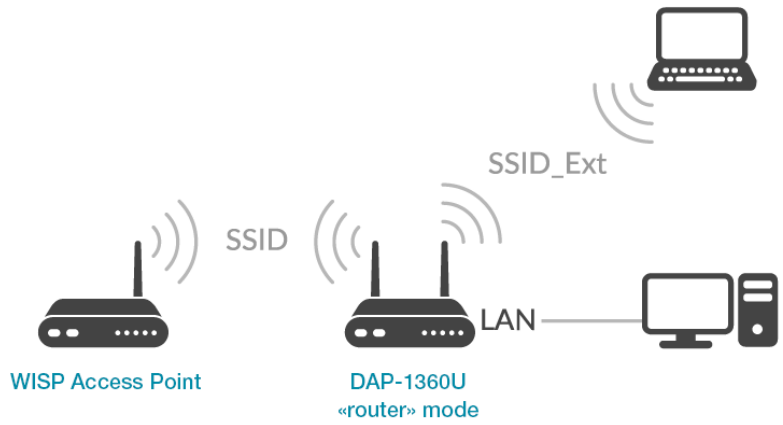
The DAP-1360U device in the “access point” mode is connected to an access point via wireless connection. Computers connect to DAP-1360U via wireless or wired connection.
It is necessary to configure the same channel of the wireless connection for DAP-1360U and the remote access point. Other parameters of the wireless network of DAP-1360U do not depend upon the settings of the remote access point.

Wireless Network Repeater



The DAP-1360U device in the “access point” mode is connected to an access point via wireless connection. Computers connect to DAP-1360U via wireless or wired connection.
It is necessary to configure the same parameters of the wireless connection (the name of the wireless network, encryption parameters, and the channel) for DAP-1360U and the remote access point.

WISP Repeater



The DAP-1360U device in the “router” mode is connected to a WISP access point via wireless connection. Computers connect to DAP-1360U via wireless or wired connection.
It is necessary to configure the same channel of the wireless connection for DAP-1360U and the WISP access point. Other parameters of the wireless network of DAP-1360U do not depend upon the settings of the WISP access point. In addition, it is necessary to configure a WAN connection for DAP-1360U.

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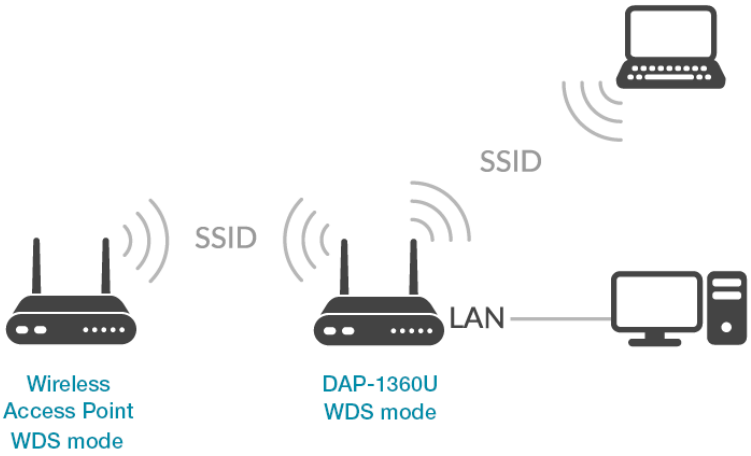
WDS[1]



The DAP-1360U device in the WDS mode is connected to an access point in the WDS mode via wireless connection. Computers connect to DAP-1360U via wireless or wired connection. It is necessary to configure the same parameters of the wireless connection (the name of the wireless network, encryption parameters, and the channel) for DAP-1360U and the remote access point. It is also necessary to specify the remote access point's MAC address for DAP-1360U (and specify the DAP-1360U device's MAC address for the remote access point).

D-Link Russia
Web: http://www.dlink.ru

1 The DAP-1360U device in the WDS mode is compatible with access points of the same model only.