

Product Highlights

802.11N

High connection rate
(up to 150Mbps)
and superior wireless range

SECURITY

Multiple firewall functions,
several security standards
for wireless connection

OPERABILITY

Easy configuration and
management through web-
based interface



DIR-300NRU

Wireless N150 Router

Wireless Interface

Using the DIR-300NRU device, you are able to quickly create a wireless network at home or in your office, which lets your relatives or employees connect to your wireless network virtually anywhere (within the operational range of your wireless network). The router 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 150Mbps).

The router supports multiple functions for the wireless interface: several security standards (WEP, WPA/WPA2), MAC address filtering, WPS, WMM.

4-port Switch

The built-in 4-port switch enables you to connect Ethernet-enabled computers, game consoles, and other devices to your network.

Security

The wireless router DIR-300NRU 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 wireless router DIR-300NRU via the user-friendly web-based interface (the interface is available in several languages).

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

Hardware	
Interfaces	<ul style="list-style-type: none"> 10/100BASE-TX WAN port 4 10/100BASE-TX LAN ports
LEDs	<ul style="list-style-type: none"> POWER INTERNET WLAN 4 LAN LEDs
Buttons	<ul style="list-style-type: none"> RESET/WPS button to restore factory default settings and set up secure wireless connection
Antenna	<ul style="list-style-type: none"> Internal omnidirectional antenna (2dBi gain)
Power connector	<ul style="list-style-type: none"> Power input connector (DC)

Software	
WAN connection types	<ul style="list-style-type: none"> PPPoE Static IP / Dynamic IP PPPoE + Static IP / Dynamic IP PPTP/L2TP + Static IP PPTP/L2TP + Dynamic IP
Network functions	<ul style="list-style-type: none"> 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
Firewall functions	<ul style="list-style-type: none"> Network Address Translation (NAT) Stateful Packet Inspection (SPI) IP filter MAC filter URL filter DMZ Prevention of ARP and DDoS attacks Virtual servers Built-in Yandex.DNS web content filtering service
VPN	<ul style="list-style-type: none"> IPSec/PPTP/L2TP/PPPoE pass-through
Management	<ul style="list-style-type: none"> Local and remote access to settings through TELNET/WEB (HTTP) Multilingual web-based interface for configuration and management Firmware update via web-based interface Automatic notification on new firmware version Saving/restoring configuration to/from file Support of remote logging Automatic synchronization of system time with NTP server and manual time/date setup Ping utility Traceroute utility TR-069 client

Wireless Module Parameters	
Standards	<ul style="list-style-type: none"> IEEE 802.11b/g/n
Frequency range	<ul style="list-style-type: none"> 2400 ~ 2483.5MHz
Wireless connection security	<ul style="list-style-type: none"> WEP WPA/WPA2 (Personal/Enterprise) MAC filter WPS (PBC/PIN)

Wireless Module Parameters	
Advanced functions	<ul style="list-style-type: none"> Support of client mode WMM (Wi-Fi QoS) Managing connected stations Advanced settings
Wireless connection rate	<ul style="list-style-type: none"> 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 150Mbps (from MCS0 to MCS7)
Transmitter output power <i>The maximum value of the transmitter output power depends upon the radio frequency regulations applied in your country</i>	<ul style="list-style-type: none"> 802.11b (typical at room temperature 25 °C) 17dBm (+/-2dB) at 1, 2, 5.5, 11Mbps 802.11g (typical at room temperature 25 °C) 16dBm (+/-2dB) at 6, 9Mbps 15dBm (+/-2dB) at 12, 18, 24, 36Mbps 14dBm (+/-2dB) at 48, 54Mbps 802.11n (typical at room temperature 25 °C) HT20 14dBm (+/-2dB) at MCS0/1/2/3/4/5/6/7 HT40 13dBm (+/-2dB) at MCS0/1/2/3/4/5/6/7
Receiver sensitivity	<ul style="list-style-type: none"> 802.11b (typical at PER = 8% at room temperature 25 °C) -80dBm at 1, 2Mbps -76dBm at 5.5, 11Mbps 802.11g (typical at PER = 10% at room temperature 25 °C) -82dBm at 6Mbps -81dBm at 9Mbps -79dBm at 12Mbps -77dBm at 18Mbps -74dBm at 24Mbps -70dBm at 36Mbps -66dBm at 48Mbps -65dBm at 54Mbps 802.11n (typical at PER = 10% at room temperature 25 °C) HT20 -82dBm at MCS0 -79dBm at MCS1 -77dBm at MCS2 -74dBm at MCS3 -70dBm at MCS4 -66dBm at MCS5 -65dBm at MCS6 -64dBm at MCS7 HT40 -79dBm at MCS0 -76dBm at MCS1 -74dBm at MCS2 -71dBm at MCS3 -67dBm at MCS4 -63dBm at MCS5 -62dBm at MCS6 -61dBm at MCS7
Modulation schemes	<ul style="list-style-type: none"> 802.11b: DQPSK, DBPSK, CCK 802.11g: BPSK, QPSK, 16QAM, 64QAM with OFDM 802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM

Physical Parameters	
Dimensions	<ul style="list-style-type: none"> 120 x 146 x 49.8 mm (4.7 x 5.6 x 2 in)

Operating Environment	
Power	<ul style="list-style-type: none">· Output: 5V DC, 1A
Temperature	<ul style="list-style-type: none">· Operating: from 0 to 40 °C· Storage: from -20 to 65 °C
Humidity	<ul style="list-style-type: none">· Operating: from 10% to 90% (non-condensing)· Storage: from 5% to 95% (non-condensing)

Delivery Package
<ul style="list-style-type: none">· Router DIR-300NRU· Power adapter DC 5V/1A· Ethernet cable· "Quick Installation Guide" (brochure)