



Wireless N150 Router with USB Port

802.11N

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

USB PORT

Support of USB modem for
Internet connection via 3G
or WiMAX network,
USB storage, and printer

SECURITY

Multiple firewall functions,
several security standards
for wireless connection

Wireless Interface

Using the DIR-320 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.

Configuration and Management

You can configure and manage the settings of the multifunction wireless router DIR-320 via the user-friendly web-based interface (the interface is available in several languages).

USB Port

The router is equipped with a USB port for connecting a USB modem, which can be used to establish connection to the Internet. In addition, to the USB port of the router you can connect a USB storage device, which will be used as a network drive, or a printer.

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 multifunction wireless router DIR-320 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.

Hardware

WAN Interface

- 1 10/100BASE-TX Ethernet port for cable or DSL modem or private Ethernet line

LAN Interface

- 4 10/100BASE-TX Ethernet ports

WLAN Interface

- IEEE 802.11n (up to 150Mbps)
- IEEE 802.11b/g

USB Interface

- USB 2.0 type A port for USB modem, storage, or printer

Frequency Range

- 802.11b
 - 2400 ~ 2497MHz ISM band
- 802.11g
 - 2400 ~ 2483.5MHz ISM band
- 802.11n
 - 2400 ~ 2483.5MHz ISM band
 - Channel frequency for HT20: 2412 ~ 2472MHz
 - Channel frequency for HT40: 2422 ~ 2462MHz

Data Rate

- 802.11b
 - 11, 5.5, 2, and 1Mbps
- 802.11g
 - 54, 48, 36, 24, 18, 12, 9, and 6Mbps
- 802.11n
 - 6.5~150Mbps (MCS0 ~ MCS7)

Modulation Schemes

- 802.11b: DQPSK, DBPSK, DSSS, CCK
- 802.11g: BPSK, QPSK, 16QAM, 64QAM with OFDM
- 802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM

Receiver Sensitivity

- 802.11b (typical at PER = 8% (1000-byte PDUs) at room temperature 25 °C)
 - -82dBm at 1Mbps
 - -80dBm at 2Mbps
 - -78dBm at 5.5Mbps
 - -76dBm at 11Mbps
- 802.11g (typical at PER = 10% (1000-byte PDUs) 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% (1000-byte PDUs))
 - 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

Transmitter Output Power

- 802.11b (typical at room temperature 25 °C)
 - 17dBm (+/-1.5dB) at 1Mbps
 - 17dBm (+/-1.5dB) at 2Mbps
 - 17dBm (+/-1.5dB) at 5.5Mbps
 - 17dBm (+/-1.5dB) at 11Mbps
- 802.11g (typical at room temperature 25 °C)
 - 17dBm (+/-1.5dB) at 6Mbps
 - 17dBm (+/-1.5dB) at 9Mbps
 - 17dBm (+/-1.5dB) at 12Mbps
 - 16dBm (+/-1.5dB) at 18Mbps
 - 16dBm (+/-1.5dB) at 24Mbps
 - 15dBm (+/-1.5dB) at 36Mbps
 - 15dBm (+/-1.5dB) at 48Mbps
 - 15dBm (+/-1.5dB) at 54Mbps
- 802.11n (typical at room temperature 25 °C)
 - HT20
 - 16.5dBm (+/-1.5dB) MCS0
 - 16.5dBm (+/-1.5dB) MCS1
 - 16.5dBm (+/-1.5dB) MCS2
 - 16dBm (+/-1.5dB) MCS3
 - 16dBm (+/-1.5dB) MCS4
 - 15.5dBm (+/-1.5dB) MCS5
 - 15dBm (+/-1.5dB) MCS6
 - 14dBm (+/-1.5dB) MCS7
 - HT40
 - 16.5dBm (+/-1.5dB) MCS0
 - 16.5dBm (+/-1.5dB) MCS1
 - 16.5dBm (+/-1.5dB) MCS2
 - 16dBm (+/-1.5dB) MCS3
 - 16dBm (+/-1.5dB) MCS4
 - 15.5dBm (+/-1.5dB) MCS5
 - 15dBm (+/-1.5dB) MCS6
 - 14dBm (+/-1.5dB) MCS7

Software

Network Functions

- WAN connection types
 - 3G
 - PPPoE
 - Static IP
 - Dynamic IP
 - PPTP/L2TP + Static IP
 - PPTP/L2TP + Dynamic IP
- DHCP server and client
- DNS relay
- VPN pass-through (PPTP/L2TP)
- Dynamic DNS
- Static IP routing
- Remote management
- Network statistics for each interface
- IGMP Proxy
- RIP
- UPnP
- Support of VLAN
- Flow control
- TR-069 client
- WAN ping respond

USB Modem*

- Auto connection to available type of supported network (3G/2G)
- Enabling/disabling PIN code check, changing PIN code

USB Storage

- SMB-based access
- Print server
- Access to storage via accounts

Wireless Connection

- Supported security settings
 - WEP
 - WPA/WPA2 Personal
 - WPA/WPA2 Enterprise
- MAC filter
- Managing connected stations
- PIN and PBC methods of WPS
- WMM (Wi-Fi QoS)
- Advanced settings
- Support of client mode

* For GSM USB modems only.

Firewall Functions

- Network Address Translation (NAT)
- Stateful Packet Inspection (SPI)
- IP filters
- URL filter
- MAC filter
- DMZ
- Prevention of ARP and DDoS attacks
- Virtual servers

Configuration and Management

- Multilingual web-based interface for configuration and management
- Access via TELNET
- Firmware update via web-based interface
- Saving/restoring configuration to/from file
- Support of remote logging
- Automatic synchronization of system time with NTP server and manual time/date setup
- Ping function
- Traceroute utility

Supported USB Modems**

- GSM modems
 - D-Link DWM-152
 - D-Link DWM-156
 - Huawei E1550
 - Huawei E160G
 - Huawei E169G
 - Huawei E171
 - Huawei E220
 - ZTE MF112
 - ZTE MF192
 - ZTE MF626
 - ZTE MF627
 - ZTE MF652
 - ZTE MF668
 - ZTE MF752
- CDMA modems
 - Airplus MCD-650
 - Airplus MCD-800
 - AnyDATA ADU-300A
 - AnyDATA ADU-500A
 - AnyDATA ADU-510A
 - ZTE AC5710
 - ZTE AC5730
- WiMAX modem
 - Samsung SWC-U200 (firmware version *u200_rev1-2.7.40-C114*)

Physical and Environmental

LEDs

- POWER
- WPS
- INTERNET
- WLAN
- 4 LAN LEDs
- USB

Power

- External power adapter DC 12V/1A
- Power on/off button
- Reset to Factory Defaults button
- WPS button

Operating Temperature

- From 0 to 40 °C (from 32 to 104 °F)

Storage Temperature

- From -20 to 65 °C (from -4 to 149 °F)

Operating Humidity

- From 10% to 90% non-condensing

Storage Humidity

- From 5% to 95% non-condensing

Ordering Information

DIR-320

Wireless N150 Router with USB Port



Web: <http://www.dlink.com/corporate/worldwideoffices/>

** The manufacturer does not guarantee proper operation of the router with every modification of the firmware of USB modems.