



## WIRELESS N STORAGE ROUTER

Faster wireless speed, wider operation range



Large color LCD photo frame



Integrated NAS & print server



The D-Link DIR-685 Xtreme N™ Storage Router meshes style with technology to offer a simple yet sleek design, ideal for deploying in the home. This all-in-one desktop device combines the functions of an wireless Internet router, network storage device, digital photo frame and print server for the ultimate user experience. Using a wide range of latest technologies, it provides an attractive alternative to installing multiple home devices to bring users flexibility, simplified setup and energy savings.

### **FAST WIRELESS CONNECTION**

The DIR-685's embedded draft 802.11n WLAN interface delivers superior wireless speed and range, far better than 802.11g, while remaining backward compatible with 802.11g devices. Hidden inside this router are multiple powerful MIMO antennas especially designed for larger homes and users running bandwidth intensive applications. The DIR-685 also comes with a 4-port 10/100/1000 Gigabit switch to connect multiple wired devices such as computers, media players and game consoles for fast file transfer and lag-free online gaming.

### **UP TO 500GB OF STORAGE FOR PHOTOS & STREAMING MUSIC/VIDEO**

A compact 2.5" hard drive with up to 500GB disk space can be placed inside this router to act as network storage. Without any cumbersome cables or protruding antennas, you can wirelessly share this disk space among family members, stream stored music and video to media players attached to stereo systems or TV, and provide remote access to your personal documents from the Internet.

### **DISPLAY PHOTOS & VIEW INTERNET CONTENT**

Place this router on your desk and display your favorite photos on its large, high-resolution color screen. Select functions and navigate to monitor router/hard drive status or view time/date, using the front-panel buttons. Preset Internet channels display weather forecasts, news or sport events.<sup>1</sup>

### **SHARE MULTIFUNCTION PRINTERS & 3G MOBILE INTERNET CONNECTION**

Through the SharePort™ Network USB Utility, you can connect multifunction printers to the USB ports to share printing and scanning functions among family members. The USB ports also support D-Link 3G adapter connection, so you can bring your router along when you travel and connect it to a 3G mobile service to provide Internet access to a group.<sup>2</sup>

### ENJOY THE FASTEST WIRELESS SPEEDS

Integrated 802.11n high-speed wireless LAN provides a fast Internet connection to your wireless computers, and smooth streaming of music/video from the integrated network storage to your TV and stereo equipment. The router's MIMO antenna technology ensures that its wireless signal transmission/reception is not only fast but also extended to all wireless devices of your home.

### TALK AND PLAY ONLINE

The router is equipped with an intelligent QoS engine to prioritize packets for Internet voice (VoIP) and online gaming. In addition to this traffic prioritization, the router's fast wireless speeds and Gigabit connection to your IP phones and game consoles, prove ideal for all bandwidth-sensitive applications.

### SHARE STORAGE OVER A NETWORK OR THE INTERNET

The DIR-685 can hold a compact 2.5" hard drive for up to 500GB of compact disk space to create central network storage for you and your family to keep and back up valuable files. Store and access this storage locally from anywhere at home, or remotely through the Internet using its built-in FTP server function. It's convenient, because when you travel you can still download an important document from home, or upload a file or photo to your home router.

### STREAM MUSIC & VIDEOS TO MEDIA PLAYERS

An integrated Universal Plug and Play (UPnP) AV server allows you to wirelessly stream music and video kept on your DIR-685's hard drive to your media player. Now, instead of crowding around a PC, your family can sit in the comfort of a living room and watch video output from the media player to a television set, or listen to music output to a hi-fi system.

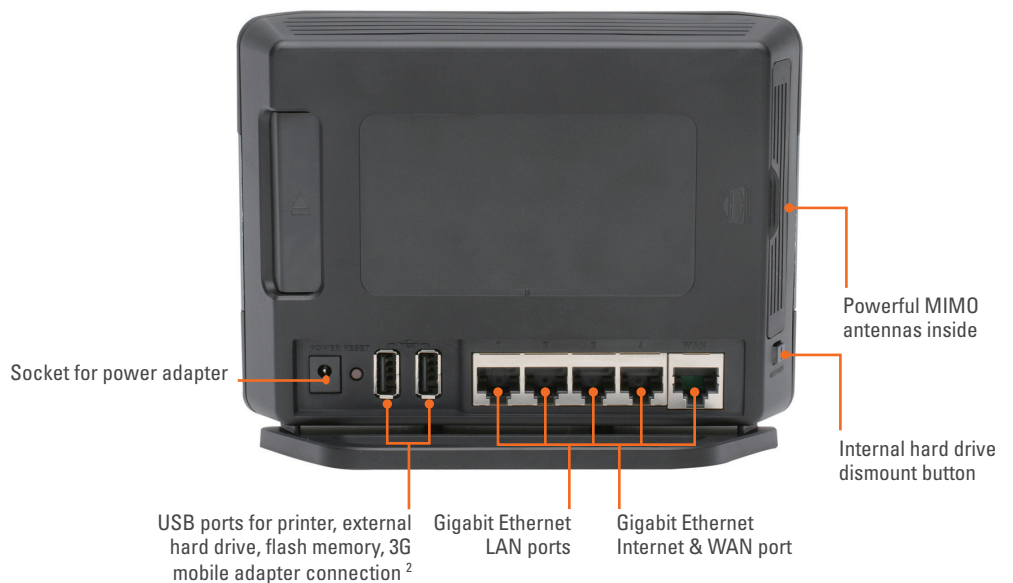
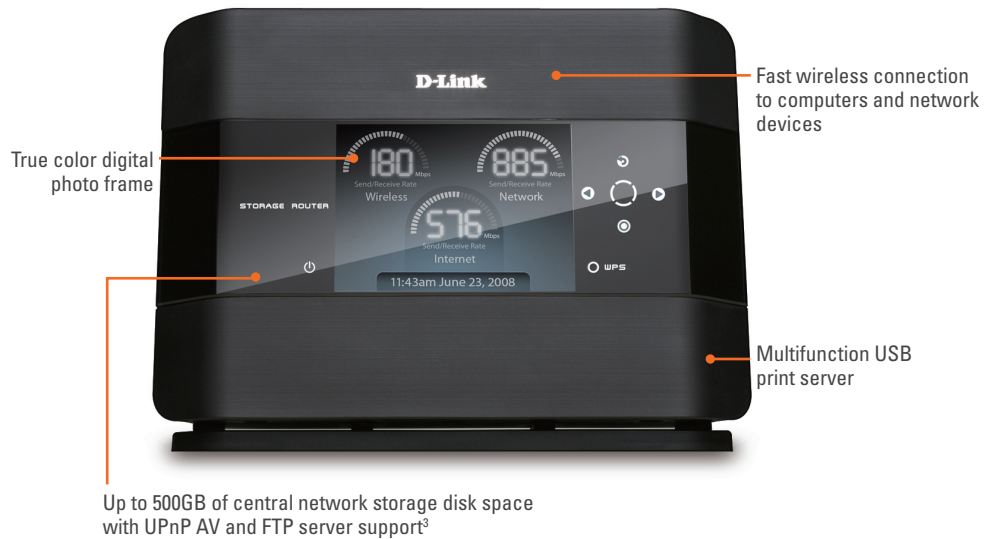
### Share Multifunction Devices

With two USB 2.0 ports you can connect a USB printer, external hard drive or flash drive to your network. A built-in print server supports multifunction printers so you can wirelessly share printer scanning functions among family members.

# WIRELESS N STORAGE ROUTER

## Powerful Functions

The DIR-685 Xtreme N™ Storage Router offers a whole host of functions from one single compact box – including an Internet router, a high-speed wireless access point, network attached storage (NAS), a digital photo frame and a USB print server.



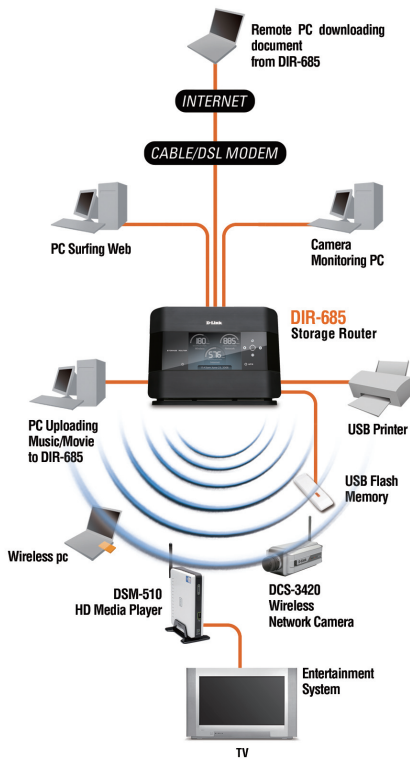
### VIEW PHOTOS & WEATHER

An integrated 3.2" color LCD will display router, network and hard drive status, the time and date, and of course your favorite photos that you saved in the built-in hard drive. The router's RSS feeds will allow you to view Internet contents such the weather forecast, news and sporting events all without turning on a computer. <sup>1</sup>

### SECURE YOUR NETWORK CONNECTION

The DIR-685 supports WEP, WPA and WPA2 encryption to safeguard your wireless data from thieves. It provides Stateful Packet Inspection (SPI) and NAT dual active firewalls to block and prevent Internet attacks against the built-in hard drive and the rest of your home network. It includes parental control to let you set and restrict access to harmful websites.

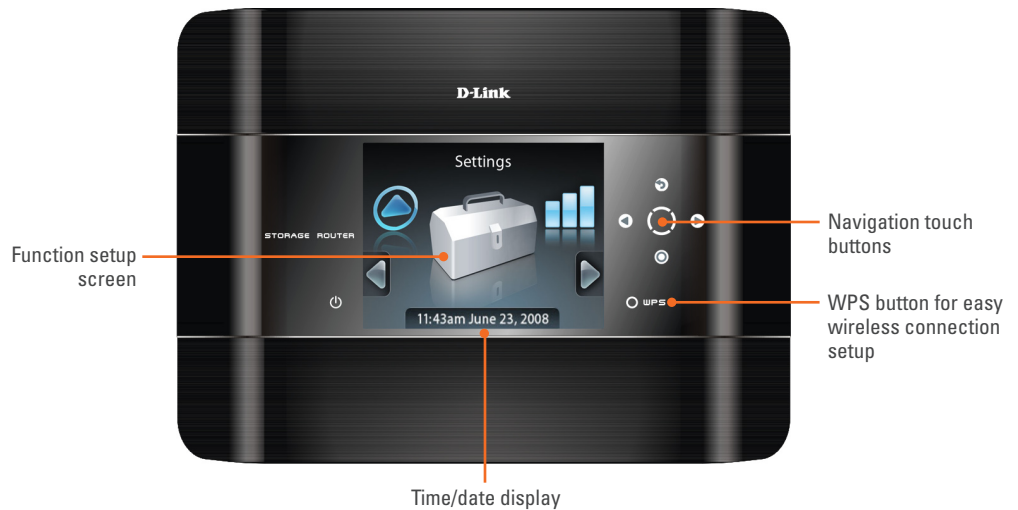
### YOUR NETWORK SETUP



## EXTREME N™ STORAGE ROUTER

### Designed for Home

Designed with convenience and functionality in mind, the router offers a stylish, even chic addition to the home. Its upright design allows users to easily view the vibrant LCD screen that displays device status via graphical gauges, digital photos, streamed video, weather forecasts and other live streaming Internet content in up to 1.6 million colors.





### EASILY SET UP YOUR DEVICE AND WIRELESS CONNECTIONS

By combining the functions of a router, NAS, digital photo and print server neatly into one product, the DIR-685 saves you the time and trouble of setting up multiple devices. A simple router setup wizard and user-friendly interface make this device a pleasure to use. A WPS button simplifies your wireless clients' setup and you can readily verify these connections via the LCD screen.

### SAVE ENERGY & PROTECT THE ENVIRONMENT

The DIR-685 reduces your power consumption by changing your hard drive to the sleep mode when your disk is not in use. It also switches the LCD screen off according to a preset timeout to prolong the screen's life.

The built-in WLAN scheduler allows you to turn off the wireless signal when not in use, reducing power consumption. Its power adapter complies with Energy Star specifications and its Gigabit ports employ D-Link's Green Ethernet technology to conserve energy.

Green Ethernet automatically powers down all idle Gigabit ports and budgets power output for each port according to the connected Ethernet cable lengths for power saving. By consolidating all diversified functions in a single device, the DIR-685 ultimately conserves your total energy usage.

### 3G MOBILE INTERNET CONNECTION

With the SharePort™ Network USB Utility provided with this router, you can plug a D-Link 3G mobile adapter into the USB port to connect the router to a 3G mobile service. Now, you can also bring your router along to share resources with a group when you travel.<sup>2</sup>

## TECHNICAL SPECIFICATIONS

#### STANDARDS

- IEEE 802.11n (draft 2.0)
- IEEE 802.11g
- IEEE 802.11b
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- SATA
- USB 2.0

#### DEVICE INTERFACES

- 4 Gigabit LAN
- 1 Gigabit Internet/WAN
- 2 USB 2.0
- Built-in 802.11n (draft) wireless LAN

#### WIRELESS LAN DATA RATES

- Up to 300Mbps<sup>1</sup>

#### WIRELESS LAN SECURITY

- WEP
- WPA and WPA2 (Wi-Fi Protected Access)

#### WIRELESS LAN ANTENNAS

Internal antennas

#### FIREWALL FEATURES

- Network Address Translation (NAT)
- Stateful Packet Inspection (SPI)
- VPN Pass-through / Multi-sessions / PPTP / L2TP / IPSec

#### QoS

- WMM (for WLAN traffic)
- QoS Engine for prioritizing traffic

#### SHAREPORT™ FUNCTION SUPPORT

- Allows connection of external hard drives, flash memory and multifunction printers to USB ports
- Allows sharing of hard drives, printing and scanning functions<sup>9</sup>

#### DISPLAY PANEL

- 3.2" true color TFT LCD
- Navigation buttons

#### HARD DRIVE SUPPORT

- SATA-standard drive of any capacity size
- 2.5-inch internal<sup>3</sup>

#### DEVICE MANAGEMENT

- UPnP support
- DDNS support
- Integrated Wireless Security Wizard and Wireless Protected Setup (WPS) support
- Windows Connect Now (WCN) support
- Web-based management using Internet Explorer® v6 or later; Mozilla Firefox® v2.0 or later; or other Java-enabled browsers
- Automatic firmware update notification
- Email notification for triggered events
- UPnP™ AV Server for streaming media to compatible media players<sup>4</sup>
- Built-in FTP server for file access from over the Internet<sup>5</sup>
- Scheduled downloads
- LCD and hard drive power management for conserving energy and extending hardware life
- Storage permissions for users
- Multi-language file name support

#### INSTALLATION

- Quick Router Setup Utility<sup>6</sup>
- SharePort™ Network USB Utility<sup>6</sup>
- Desktop placement

#### LED

- Power
- LCD

#### CERTIFICATIONS

- FCC Class B
- IC
- CE
- C-Tick
- Wi-Fi Certified b/g/n (draft)
- Wi-Fi Protected Setup (WPS)
- Works with Windows Vista

#### Safety

- CSA
- LVD
- RoHS compliant

#### RECOMMENDED SYSTEM REQUIREMENTS

- For optimal wireless performance:  
Computers and network devices with D-Link Wireless N or other 802.11n (draft) interfaces to connect to the DIR-685

<sup>1</sup> Use Framechannel™ to display weather forecasts, news and sport events.

<sup>2</sup> Currently only the D-Link DWM-152 and DWM-156 3G adapters are supported.

<sup>3</sup> No hard drive is included with this device. Current 2.5" SATA hard drives supports up to 500GB. Capacity can go up pending future technology. This device may not work with older generation SATA drives. For a list of SATA drives that have been tested to work with this device, visit your D-Link support web sites.

<sup>4</sup> D-Link does not guarantee full compatibility or proper playback with all Codecs. Playback capability depends on the codec support of the UPnP AV media player.

<sup>5</sup> Use of an FTP Server to access files over the Internet does not provide for secure or encrypted transmissions.

<sup>6</sup> The software included with this product is not Mac-compatible.

<sup>7</sup> Computer must adhere to Microsoft's recommended system requirements.

<sup>8</sup> Actual data throughput may vary. Network conditions and environmental factors, including network traffic, building materials and construction, and network overhead, can lower actual data throughput rate. Environmental factors will adversely affect wireless signal range. This product is based on IEEE draft 2.0 802.11n specifications and is not guaranteed to be forward compatible with future versions of IEEE 802.11n specifications. Compatibility with draft 802.11n devices from other manufacturers is not guaranteed.

<sup>9</sup> Hard drives and multifunction equipment can only be accessed by a single user at a time.



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