

DST Dead Spot Terminator Series
Eliminate your WiFi Dead Zones



Key Features

- AC1900 high-performance WiFi router with Dead Spot Terminator eliminates your WiFi dead zones
- 1GHz dual core processor
- Supports 10+ connected devices
- Advanced features for lag-free gaming
- Prioritized bandwidth for streaming videos or music
- DST Adapter sets up in minutes - no need to configure or install software
- DST Adapter indicates the connection strength at any electrical outlet

The NETGEAR Difference - R7300DST

- High-power amplifiers—Three (3) external antennas
- Dynamic QoS automatically recognizes & prioritizes streaming & gaming applications
- Implicit & Explicit Beamforming
- Downstream & Upstream QoS
- ReadySHARE® USB—Share your USB hard drive and printer
- ReadyCLOUD® USB Access—Enjoy personal & secure cloud access to USB storage anytime, anywhere
- NETGEAR genie® with remote access

NETGEAR®

NIGHTHAWK® BENEFITS

- Extreme dual band WiFi speed—up to 1900 Mbps
- Dual Core 1GHz processor enables maximum WiFi performance
- 700mW high-power amplifiers for extreme range
- 3 external antennas for maximum signal coverage
- Dynamic QoS recognizes & prioritizes streaming & gaming applications for buffer-free entertainment



DST BENEFITS

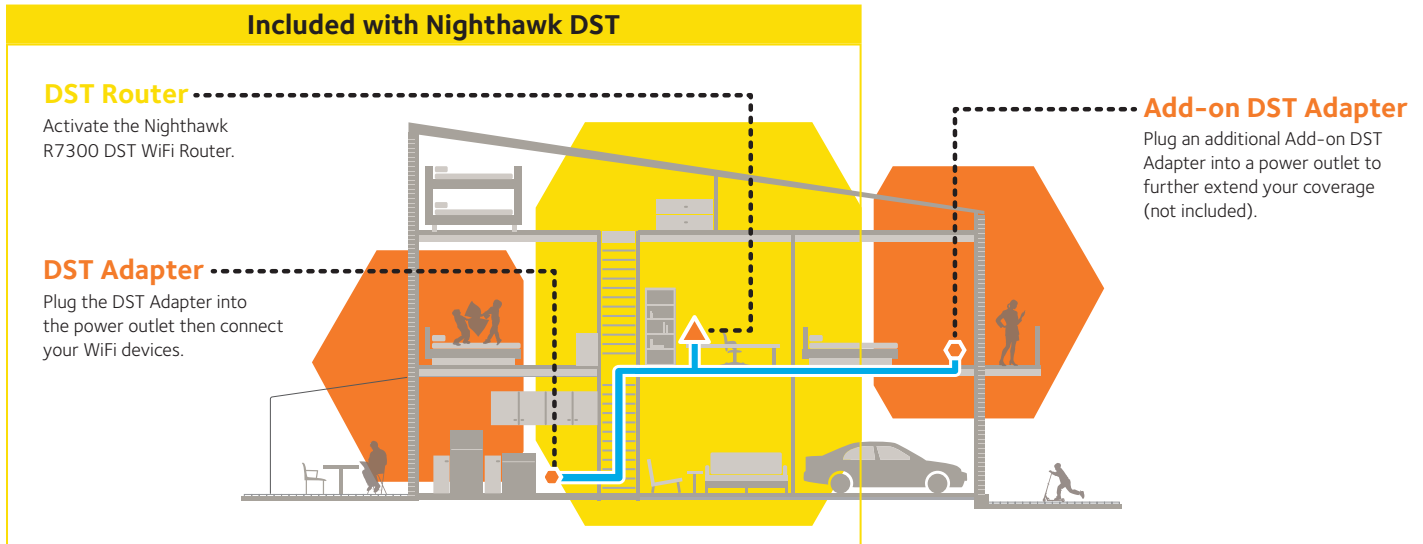
- Eliminate dead zones and extend your coverage by using existing electrical wiring already within your home
- Simply plug the adapter into any power outlet and create new WiFi access right there. No more weak WiFi
- Sets up in minutes, no need to configure or install software
- Adapter indicates the connection strength at any electrical outlet to ensure the fastest and most reliable connectivity



SET UP & SUPPORT VIA PHONE & WEB

- We'll get you up and running plus, customize your router settings
- We'll connect your wireless devices and secure your network
- Customize advanced settings, like parental controls and guest networks
- 24/7 Phone and Web Support for one year if you ever have questions or need help

Network Diagram



DST Adapter (included)

Plugs into your existing electrical outlet to enable DST technology from the Nighthawk R7300 DST WiFi Router. Additional add-on adapters are sold separately to eliminate additional WiFi dead zones.



Nighthawk R7300 DST WiFi Router (included)

DST technology built into the router will enable the DST Adapter with the push of a button.

Speed

Get extremely fast WiFi & enjoy a blazing-fast, lag-free WiFi experience for gaming, video streaming or surfing.



EXTREMELY FAST WIFI—Up to 600+1300 Mbps[†]



GIGABIT WIFI—Next-generation WiFi now at Gigabit speeds



GIGABIT WIRED—Ideal for HD gaming & video



DUAL CORE PROCESSOR—Dual core 1GHz processor boosts wireless, wired & WAN-to-LAN performance

WiFi Range

Got range? Homes come in all shapes and sizes and Nighthawk DST Router provides WiFi coverage no matter where you connect in your home.



ULTIMATE RANGE—WiFi coverage throughout very large homes



DST TECHNOLOGY—Enables add-on DST Adapters to eliminate dead zones with the push of a button



ANTENNAS—High-power amplifiers with 3 external antennas

Sharing

With NETGEAR, sharing across your network is fun and easy, anything from accessing stored photos & music to wireless printing. And make sure you keep it safe by using the included ReadySHARE Vault application for backing up Windows-based PCs. For Mac OS® users, back-up using Apple® Time Machine.



DLNA®—Find & play your media on DLNA TVs & game consoles



READYSHARE® USB ACCESS—Wirelessly access & share USB hard drive & printer via two (2) USB ports



ONE SUPERSPEED USB 3.0 PORT—Up to 10x faster than USB 2.0



READYCLOUD® USB ACCESS—Enjoy personal & secure cloud access to USB storage anytime, anywhere



READYSHARE PRINTER—Wirelessly access & share a USB printer



READYSHARE VAULT—Free software for automatic PC backup to a USB hard drive connected to the router



TIME MACHINE—Automatic Mac backup to a USB hard drive connected to the router



iTunes® COMPATIBLE—Play your USB-stored music using AirPlay or Apple Remote™

Reliable Connections

There's nothing more frustrating than lost connections! With NETGEAR's advanced features & best-in-class technology, you'll reduce interference & enjoy more reliable WiFi connectivity.



SIMULTANEOUS DUAL BAND—Reduces interference for better connections to more WiFi devices



DYNAMIC QoS—Downstream & upstream QoS automatically recognizes & prioritizes streaming & gaming applications



AIRTIME FAIRNESS—Prevent network lag when slower devices connect



BEAMFORMING+—Boosts speed, reliability, & range of WiFi connections for 2.4 & 5GHz

Ease Of Use

Start enjoying your new device faster than ever. NETGEAR wants to make sure installation and management is simple & easy, so you can connect quickly & make sure you stay that way!



EASY INSTALL—Easy setup for iPad®, tablets, smartphones & computers



NETGEAR GENIE® APP—Personal dashboard to monitor, control & repair your home network. Now includes remote access to manage your network away from home.



PUSH 'N' CONNECT—Easy push button WiFi connections (WPS)



LED & POWER ON/OFF—Convenient power savings

Security

Maintain high security across your network to help ensure your privacy & family is safe while online. Whether it's preventing phishing & spyware or just limiting access for kids & guests, NETGEAR has you covered.



VPN SUPPORT—Secure access to your home network



PARENTAL CONTROLS—Web site filtering for all your connected devices



GUEST NETWORK ACCESS—Separate & secure access for guests



SECURE WIFI CONNECTIONS—High level wireless security with WPA/WPA2



OPEN SOURCE SUPPORT—Download open source firmware from www.myopenrouter.com



PERSONAL FTP SERVER—Customized free URL to create FTP server

BEAMFORMING+



For more reliable connections.

BEAMFORMING+—FOR MORE RELIABLE CONNECTIONS

Unlike typical Wi-Fi routers that just blast the Wi-Fi signals in all directions, with Beamforming+ the router & device communicate with each other, so the router can directly beam the Wi-Fi signal to the device. The result is a stronger, faster, more reliable connection that is locked in even when the device is moved around the home.

- Focuses WiFi signals from the wireless router to WiFi devices like smartphones, tablets & laptops
- Automatic signal management checks with your device to keep WiFi signal at its optimal strength
- Designed for home environments to support multiple WiFi device connections for highest quality
- Extends WiFi coverage, reduces deadpots, & boosts signal strength
- Implicit & Explicit Beamforming boosts speed, reliability & range for both 2.4 & 5GHz WiFi devices—an industry first

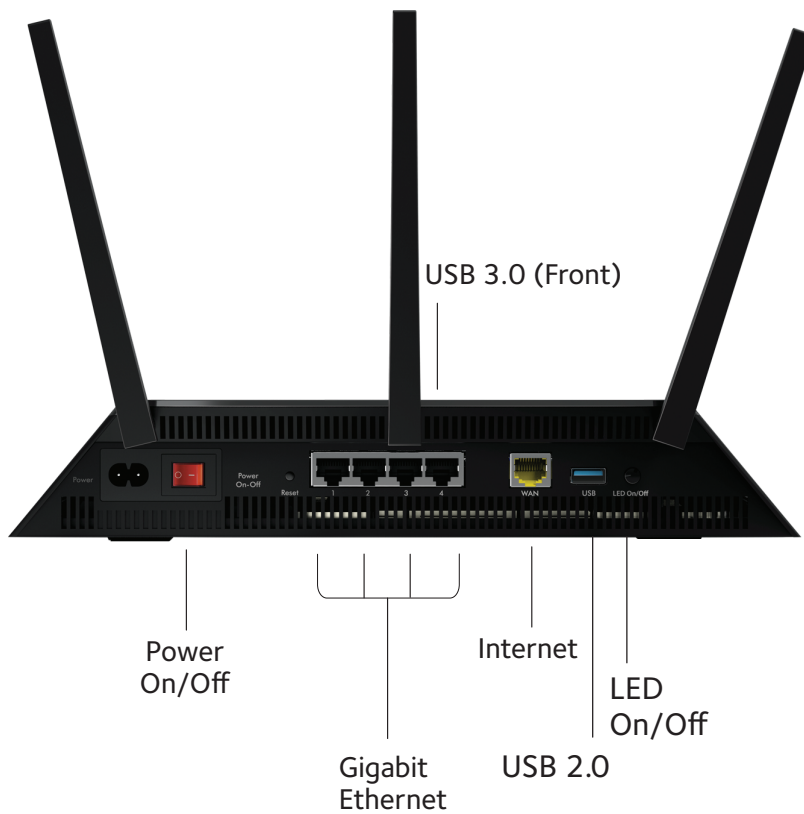
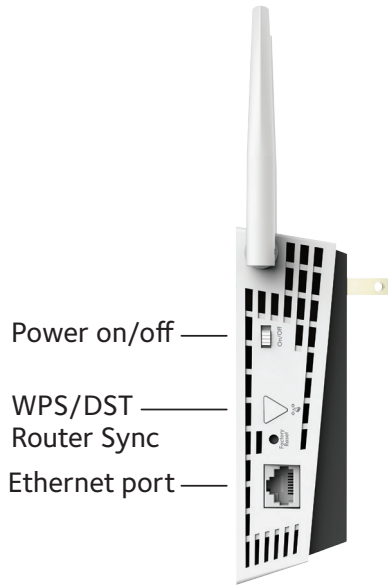


NETGEAR genie®—HOME NETWORKING SIMPLIFIED

NETGEAR genie makes getting the most out of your home network fun & easy. Installation is almost effortless - just by opening a browser, genie helps you setup your NETGEAR WiFi Router & connect all of your WiFi devices. Genie also allows you to easily monitor, connect & control your home network from a PC, Mac, tablet or smartphone. With NETGEAR genie you can share & stream music or videos, diagnose & repair network issues, set up parental controls & more.

- Home network manager
- Network Map—Real-time map of all the connected devices on your network
- Makes any printer AirPrint® compatible to print from an iPad® or iPhone®
- MyMedia—Find & play media files in your network
- EZ Mobile Connect—Scan QR code to connect to your home network
- Turbo Transfer—Quickly transfer files within your home network across various devices 40% faster than normal file transfers
- For PC, Mac®, iPhone®, iPad®, & Android® devices
- Now with remote access to manage your network away from home. View the network map, block WiFi devices, set up guest WiFi & manage Parental Controls—anytime, anywhere.

Connection Diagram



PACKAGE CONTENTS

- Nighthawk AC1900 DST WiFi Router (R7300)
- Three (3) detachable antennas
- One (1) DST6501 Adapter (DST6501)
- Two (2) 5 ft Ethernet cables
- Quick install guides
- Power adapter

PHYSICAL SPECIFICATIONS

R7300:

Dimensions: 12.05 x 10.3 x 8.0 in
Weight: 2.18 lb

DST6501:

Dimensions: 5.0 x 4.42 x 2.26 in
Weight: 0.45 lb

STANDARDS

R7300:

- Two (2) USB ports—one (1) USB 3.0 & one (1) USB 2.0 port
- One (1) 1Gbps DST interface
- IEEE® 802.11 b/g/n 2.4 GHz + 256 QAM support
- IEEE® 802.11 a/n/ac 5.0 GHz
- Five (5) 10/100/1000 Mbps—(1 WAN & 4 LAN) Gigabit Ethernet ports

Installation Video

To view the Nighthawk installation video, visit http://www.netgear.com/R7300DST_QR_IG_EN or scan this QR code:



SCAN TO LEARN MORE

DST6501:

- 1Gbps[†] Ethernet connection and 802.11ac WiFi
- 10/100/1000 Mbps[†] Ethernet port
- HomePlug® AV2¹ compliant
- IEEE® 1901 and 802.3 compliant
- 100-250V/2.5 - 5.0 watt

TECHNICAL SPECIFICATIONS

R7300:

- AC1900 (600 Mbps @2.4GHz with 256 QAM support +1300 Mbps @5GHz 11ac)[†]
- Simultaneous Dual Band WiFi—Tx/Rx 3x3 (2.4GHz) + 3x3 (5GHz)
- Implicit & Explicit Beamforming
- Powerful dual core 1GHz processor
- High-power amplifiers—Three (3) external antennas
- Easy & automatic installation of the NETGEAR router with Internet provider gateway to upgrade your WiFi
- Memory: 128 MB flash and 256 MB RAM
- Downstream & Upstream QoS—automatically recognize & prioritize applications
- ReadySHARE® USB—Share your USB hard drive and printer
- ReadyCLOUD® USB Access—Enjoy personal & secure cloud access to USB storage anytime, anywhere
- Built-in DST technology—Enables Add-on DST Adapters to eliminate dead zones with the push of a button
- IPv6 Support (Internet Protocol Version 6)
- On/off LED lights option

DST6501:

- Typical coverage up to 500m² (5382²)[†]
- Works with HomePlug AV and HomePlug Green PHY

SYSTEM REQUIREMENTS

- Active Internet connection
- Electrically connected power outlets
- Microsoft® Windows 7, 8, 10, Vista®, XP®, 2000, Mac OS®, UNIX®, or Linux®
- Microsoft® Internet Explorer® 5.0, Firefox® 2.0, Safari® 1.4, or Google Chrome™ 11.0 browsers or higher

SECURITY

- Customized free URL to set up personal FTP server
- VPN support—secure remote access
- Guest network access—separate & secure
- WiFi Protected Access® (WPA/WPA2—PSK)
- Double firewall protection (SPI and NAT)
- Denial-of-service (DoS) attack prevention

WARRANTY

- www.netgear.com/about/warranty

SUPPORT

- Geek Squad set up & support included*. Call 1-800-GEEKSQUAD to get started (1-800-433-5778)



This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller.

*One time setup and ongoing Home Wi-Fi Support for one year from date of purchase of Nighthawk R7300 DST Router by GEEK SQUAD.

[†] Requires use of HomePlug AV compatible DST device (one R7300DST and one DST6501). For a complete list of HomePlug AV certified devices, please check www.homeplug.org/certified_products.

[†] Maximum wireless signal rate derived from IEEE 802.11 specifications. Actual data throughput and wireless coverage will vary and may be lowered by network and environmental conditions, including network traffic volume and building construction. NETGEAR makes no representations or warranties about this product's compatibility with future standards.

Outlets must be electrically connected in order for DST devices to provide a network connection between them.

For indoor use only.

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