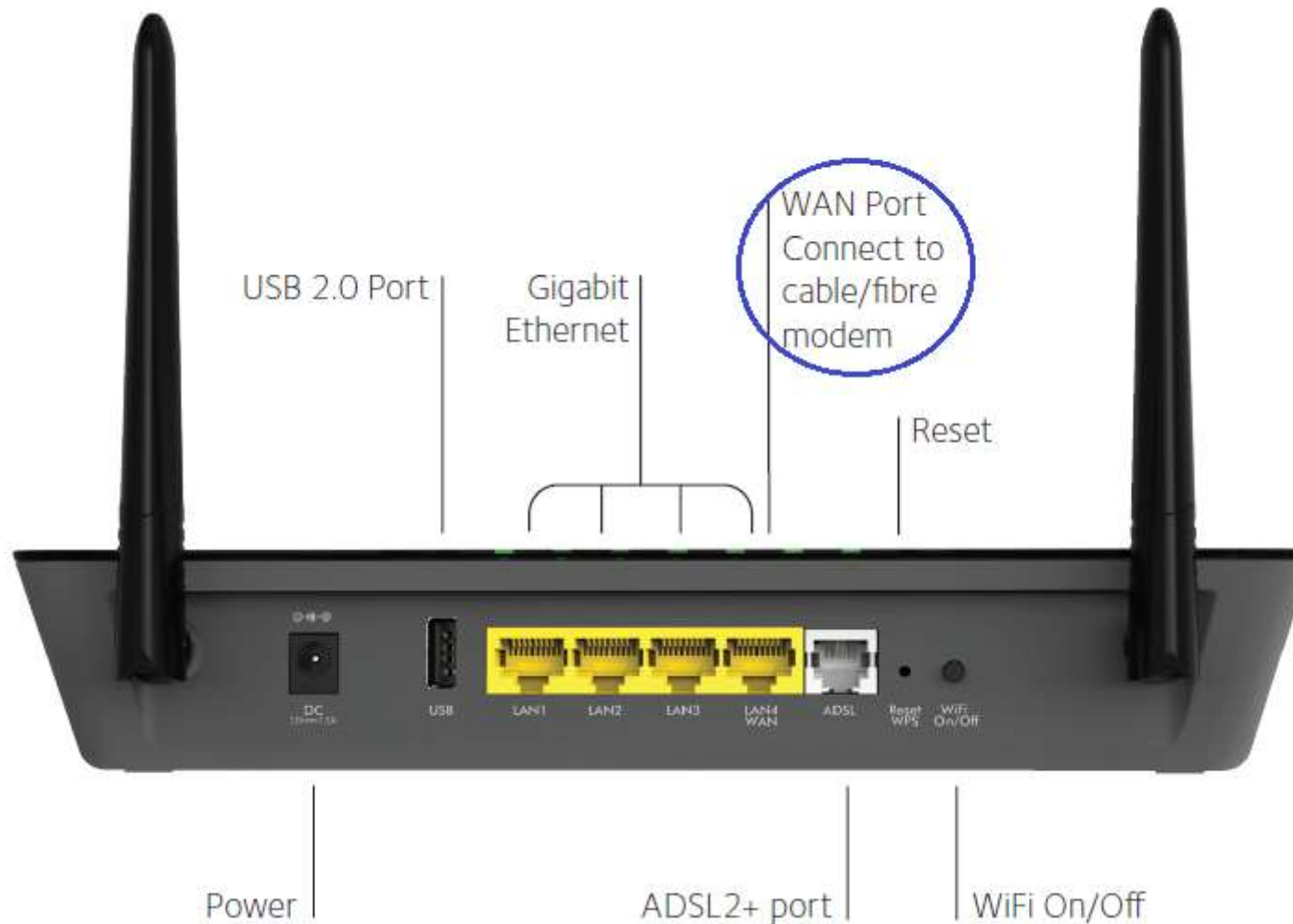


## Setup Netgear D6000 as an Access Point

### Connection Diagram

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1. Assign specific WiFi channels for each of the bands – 2.4 and 5 GHz on the main router. Note them down.
2. Connect D6000 LAN/WAN port to Ethernet port on the main router.
3. All settings on the following pages are done on D6000 under Advanced tab under admin login.

# Setup Netgear D6000 as an Access Point

## D6000 Internet Setup

**NETGEAR genie**  
D6000

**BASIC** **ADVANCED**

**ADVANCED Home**  
**Setup Wizard**  
**WPS Wizard**  
**Setup**  
Internet Setup  
ADSL Settings  
Wireless Setup  
Guest Network  
WAN Setup  
LAN Setup  
QoS Setup  
USB Storage  
Security  
Administration  
Advanced Setup

**Logout**  
Router Firmware Version  
V1.0.0.76\_1.0.1  
Auto

**Internet Setup** [Test] [Cancel] [Apply]

Does your internet connection require a login?  
 Yes  
 No

Account Name (If Required)   
Domain Name (If Required)

Internet IP Address  
 Get Dynamically from ISP  
 Use Static IP Address  
IP Address      
IP Subnet Mask      
Gateway IP Address

Domain Name Server (DNS) Address  
 Get Automatically from ISP  
 Use These DNS Servers  
Primary DNS      
Secondary DNS

1. Suggested to assign a static IP address from the address pool of the main router for the D6000.
2. Assigning any other address for DNS server entries e.g. 8.8.8.8 may result in “no internet” on D6000 in combination with a dynamically allocated address for D6000 from the main router very randomly.

# Setup Netgear D6000 as an Access Point

## D6000 ADSL Settings



1. D6000 uses the LAN/WAN port for connection.

# Setup Netgear D6000 as an Access Point

## D6000 Wireless Setup

**NETGEAR genie**  
D6000

Logout  
Router Firmware Version  
V1.0.0.76\_1.0.1  
Auto

**BASIC** **ADVANCED**

**ADVANCED Home**  
**Setup Wizard**  
**WPS Wizard**

**Setup**  
Internet Setup  
ADSL Settings  
**Wireless Setup**  
Guest Network  
WAN Setup  
LAN Setup  
QoS Setup

**USB Storage**  
**Security**  
**Administration**  
**Advanced Setup**

**Wireless Settings** [Cancel] [Apply]

Region Selection  
Region: [Dropdown]

**Wireless Network (2.4GHz b/g/n)**  
 Enable SSID Broadcast  
 Enable Wireless Isolation  
Name (SSID): [Text Field]  
Channel: **11** [Dropdown]  
Mode: Up to 145 Mbps [Dropdown]

**Security Options**  
 None  
 WPA2-PSK [AES]  
 WPA-PSK [TKIP] + WPA2-PSK [AES]

**Security Options (WPA2-PSK)**  
Passphrase: [Text Field] (8-63 characters or 64 hex digits)

**Wireless Network (5GHz a/n)**  
 Enable SSID Broadcast  
 Enable Wireless Isolation  
Name (SSID): [Text Field]  
Channel: **149** [Dropdown]  
Mode: Up to 433 Mbps [Dropdown]

1. Make sure to select, for each of the wireless bands, a channel that is not used on the main router. Ensure by comparing with what was noted down earlier.

# Setup Netgear D6000 as an Access Point

## D6000 LAN Setup

NETGEAR® genie®  
D6000

Logout  
Router Firmware Version  
V1.0.0.76\_1.0.1  
Auto

**BASIC** **ADVANCED**

ADVANCED Home  
Setup Wizard  
WPS Wizard

Setup

Internet Setup  
ADSL Settings  
Wireless Setup  
Guest Network  
WAN Setup  
LAN Setup  
QoS Setup

LAN Setup

Device Name: D6000

LAN TCP/IP Setup

IP Address: 10.0.0.1

IP Subnet Mask: 255.255.255.0

RIP Direction: Both

RIP Version: Disable

Use Router as DHCP Server

Starting IP Address: 10.0.0.2

Ending IP Address: 10.0.0.50

Cancel Apply

1. Contrary to “thus far learned” setup for an AP viz. An AP “should\_never\_have” an address pool of its own and/or DHCP server setting on an AP is “automatically disabled”, D6000 in fact does have an address pool of its own.

2. D6000 does not pass an address assigned by the main router if DHCP server is disabled under D6000 LAN Setup.

Note: D6000 works as an Ethernet WAN router or LAN extension service.

## Setup Netgear D6000 as an Access Point

Additional Information: Wireless setup on main router. A Netgear D7000 is used as main router.

**NETGEAR genie**  
D7000

Logout  
Firmware Version  
V1.0.1.70\_1.0.1  
English

**BASIC** | **ADVANCED**

**ADVANCED Home**  
**Setup Wizard**  
**WPS Wizard**  
**Setup**  
Internet Setup  
**Wireless Setup**  
Guest Network  
WAN Setup  
LAN Setup  
QoS Setup  
**USB Storage**  
**Security**  
**Administration**  
**Advanced Setup**

**Wireless Settings** [Cancel] [Apply]

Region Selection  
Region: [Region]

**Wireless Network (2.4GHz b/g/n)**  
Name (SSID): [SSID]  
Channel: 06  
Mode: Up to 600 Mbps  
 Enable SSID Broadcast  
 Enable 20/40 MHz coexistence

**Security Options**  
 None  
 WPA2-PSK [AES]  
 WPA-PSK [TKIP] + WPA2-PSK [AES]  
 WPA/WPA2 Enterprise

**Security Options (WPA2-PSK)**  
Passphrase: [Passphrase] (8-63 characters or 64 hex digits)

**Wireless Network (5GHz a/n/ac)**  
Name (SSID): [SSID]  
Channel: 44  
Mode: Up to 1300 Mbps  
 Enable SSID Broadcast

**Security Options**  
 None  
 WPA2-PSK [AES]

Wireless channels used on main router is different from those used in D6000.