Acronyms

DNS	Domain Name System
MAC	Media Access Control Address
WAN	Wide Area Network
LAN	Local Area Network
DHCP	Dynamic Host Configuration Protocol
NAT	Network Address Translation
WPA2 Personal (AES)	Currently the strongest form of security offered by Wi-Fi products, and is recommended for all uses.

Network Definitions

Local IP

> (Internal IP) The address that is assigned by your local network router that often begins with 192.168.x.x.

Self Assigned IP

> 169.254.x.x: An IP in this range means that the computer cannot see the network.

IPv4 vs IPv6

> IPv4 has 32-bit address length whereas IPv6 has 128-bit address length.

Roaming Network

> Set up multiple Wi-Fi base stations to create a single wireless network (known as a "roaming" network) using Ethernet

DNS Server

> Your DNS server converts internet names to IP addresses. Example 1.1.1.1 and 8.8.8.8

Ping

> Test whether your computer can communicate with a computer or other device at a specific network address.

Lookup

> View information provided by your Domain Name System (DNS) server.

Network Definitions (cont)

Portscan

> Enter an Internet or IP address to scan for open TCP ports.

SSID or Wi-Fi network name

> The SSID (service set identifier), or network name, identifies your Wi-Fi network to users and other Wi-Fi devices. It is case sensitive.

Hidden network

> Hidden networks don't broadcast their SSID over Wi-Fi. This option might be incorrectly referred to as a closed network, and the corresponding nonhidden state might be referred to as broadcast.

MAC address authentication or filtering

> Restricts access to a Wi-Fi router to devices with specific MAC (Media Access Control) addresses.

DHCP

> Assigns addresses that identify devices on your network. The functionality of a DHCP server can be thought of as similar to a phone company handing out phone numbers, which customers then use to call other people.

☐TV & HP

Restart ☐TV (Settings)

> On Apple TV 4K or Apple TV HD, go to Settings > System > Restart. On Apple TV (3rd generation and earlier), go to Settings > General > Restart.

Restart ☐TV (Remote)

> Siri Remote or Apple TV Remote:* Hold down the Home button and Menu buttons. Let go when the light on your device flashes. Apple Remote (aluminum or white): Hold down the Menu and Down buttons. Let go when the light on your device flashes.

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