

Router Compatibility

Firewalla works in either **Simple Mode** (Plug and Play) or **DHCP mode** (need to login to the router and disable DHCP server.). Your router should be able to work with at least one of these modes.

The Firewalla app does auto-detection for you during the initial pairing with the Firewalla box. If you are running into problems, please check the list below to see if there is any known issues. The auto-detection process is not perfect, but you can always manually force a mode to use.

- **If your router is not on the list, it is very likely to be compatible with Firewalla.** This list will be updated as we learn from our customers and detection algorithms.
- **For Meshed routers:** You will need additional instructions.
- **DHCP Mode:** If your router has the option to turn off the built-in DHCP server then DHCP mode will work for you. And for some routers DHCP cannot be turned off, you will need additional instructions.
- Any questions? Just email us at help@firewalla.com, it will create a support case, and our engineers will help you directly.
- If you encounter problems such as 'slow throughput', please also make sure your router's firmware is up to date.
- To connect Firewalla, your router (or a switch connected to the router) must have a free ethernet port.
- If you run into devices keeps on changing IP address and you don't have a network extender, double check your router's DHCP lease time. Make sure it is long.

Firewalla Confirmed Router List

Brand	Model	Simple Mode	DHCP Mode	Notes
Actiontec	T3200	✗ Not Compatible		
Actiontec	T2200	✓ Compatible		
Amplifi	All models	✓ Compatible	LIMIT-DHCP	
Apple	Airport Extreme	✓ Compatible	✓ Compatible	
Apple	Airport Time Machine	✓ Compatible	✓ Compatible	
Arris	5268	✓ Compatible	LIMIT-DHCP	Need to disable monitoring of devices that look like 5268AC, or 5268.
Arris	DG3450	✗ Not Compatible	LIMIT-DHCP	
Arris	SBG6782	✓ Compatible	✓ Compatible	Set the DHCP lease time from 3600 (one hour) to a large number like (604800)

Brand	Model	Simple Mode	DHCP Mode	Notes
Arris	SBG6900AC	✔ Compatible	✔ Compatible	Set the DHCP lease time from 3600 (one hour) to a large number like (604800) Put device Arris-LGW in not monitor mode.
Arris	SVG2482AC	✔ Compatible	LIMIT-DHCP	
Arris	XB6/TG3482	✘ Not Compatible	LIMIT-DHCP	
Arris	Others	✔ Compatible	✔ Compatible	Disable monitoring of device that looks like ARRIS-LGW
Aruba	Any	✔ Compatible		Please turn off "Block ARP Broadcast". This prevents firewalla from being discovered.
ASUS	N600	✔ Compatible	✔ Compatible	NAT Acceleration must be turned off
ASUS	RT-N56U	✔ Compatible	✔ Compatible	NAT Acceleration must be turned off
ASUS	RT-N66U	✔ Compatible	✔ Compatible	NAT Acceleration must be turned off
ASUS	RT-AC68R	✔ Compatible	✔ Compatible	Firewall must be turned off during installation
ASUS	RT-AC87	✔ Compatible	✔ Compatible	NAT Acceleration must be turned off
ASUS	TM-AC1900	✔ Compatible	✔ Compatible	
ASUS	RT-AC3200	✔ Compatible	✔ Compatible	
Bell	Home Hub 3000	✘ Not Compatible	✔ Compatible	
Belkin	All models	✔ Compatible	✔ Compatible	
Cisco	RV325	✔ Compatible	✔ Compatible	
Cisco	Comcast DPC3941 Cable Modem	✔ Compatible	LIMIT-DHCP	
Cisco	WRVS4400N	✘ Not Compatible	✔ Compatible	
D-LINK	AC3100		✔ Compatible	
EERO	Version 2	✔ Compatible	✔ Compatible	
EERO	Version 1	✘ Not Compatible	✔ Compatible	
GOOGLE	OnHub TGR-1900 (TP-Link)	✘ Not Compatible	✘ Not Compatible	
GOOGLE	SRT-AC1900 /Onhub	✘ Not Compatible	✘ Not Compatible	
GOOGLE	Wifi	✘ Not Compatible	LIMIT-DHCP	Need Additional setup
Huawei	HG659	✘ Not Compatible	✔ Compatible	
Huawei	HG635	✘ Not Compatible	✔ Compatible	
Huawei	HGW-2501gn-r2 /Mitrastar	✘ Not Compatible	✔ Compatible	

Brand	Model	Simple Mode	DHCP Mode	Notes
Huawei	HA35-22	✗ Not Compatible	✓ Compatible	
Linksys	N600	✓ Compatible	✓ Compatible	Not compatible with guest network
Linksys	AC1900/EA7500 v1	✓ Compatible	✓ Compatible	Express Forwarding should be Disabled
Linksys	AC2600/EA8500/ /Max Stream	✓ Compatible	✓ Compatible	Express Forwarding should be Disabled
Linksys	AC4000/EA9300	✓ Compatible	✓ Compatible	Express Forwarding should be Disabled
Linksys	EA7500v2	✗ Not Compatible	✓ Compatible	
Linksys	AC2400/EA8350	✗ Not Compatible	✓ Compatible	
Linksys	E3000	✗ Not Compatible	✓ Compatible	
Linksys	Velop	✓ Compatible	✓ Compatible	Special setup on Mesh
Luma	Luma	✓ Compatible	✗ Not Compatible	
AT&T / Motorola	NVG510	✓ Compatible	✗ Not Compatible	
Netgear	Orbi	✓ Compatible	✓ Compatible	Special setup on Mesh
Netgear	Orbi Pro	✓ Compatible	✓ Compatible	Special setup on Mesh
Netgear	N600/WNDR3400v2	✓ Compatible	✓ Compatible	Not compatible with guest network
Netgear	WNDR3400	✓ Compatible	✓ Compatible	Not compatible with guest network
Netgear	R6250	✓ Compatible	✓ Compatible	Not compatible with guest network
Netgear	R6400	✓ Compatible	✓ Compatible	Not compatible with guest network
Netgear	D6400	✓ Compatible		
Netgear	R6251v3.3	✓ Compatible	✓ Compatible	Not compatible with guest network
Netgear	X4/R7500	✗ Not Compatible	✓ Compatible	
Netgear	X4S/R7800	✗ Not Compatible	✓ Compatible	
Netgear	X6S/R8000P	✗ Not Compatible	✓ Compatible	
Netgear	X10	✗ Not Compatible	✓ Compatible	
Netgear	XR500	✗ Not Compatible	✓ Compatible	
Netgear	Nighthawk M1	✗ Not Compatible	✗ Not Compatible	
Phicomm	Any	✓ Compatible	✓ Compatible	
Portal Wifi	Any	✓ Compatible	✗ Not Compatible	
Sonicwall	Most Models	✓ Compatible		
Technicolor	TC8717	✓ Compatible	✗ Not Compatible	
Technicolor	TC8715	✓ Compatible	✗ Not Compatible	
Technicolor	DJA0231	✗ Not Compatible	LIMIT-DHCP	
TP-LINK	TL-WVR4300L	✗ Not Compatible	✓ Compatible	

Brand	Model	Simple Mode	DHCP Mode	Notes
TP-LINK	TL-W8901N	✗ Not Compatible	✓ Compatible	
TP-LINK	AC2600	✗ Not Compatible	✓ Compatible	
TP-LINK	TALON AD7200	✗ Not Compatible	✓ Compatible	
TP-LINK	On Hub	✗ Not Compatible	✗ Not Compatible	
TP-LINK	C3150		✓ Compatible	
TP-LINK	Deco	✓ Compatible	✗ Not Compatible	Special setup on Mesh
TP-LINK	TL-WDR5620	✓ Compatible		
Synology	RT2600AC	✗ Not Compatible	✓ Compatible	Require Special Setup on Synology
Synology	RT1900	✗ Not Compatible	✓ Compatible	Require Special Setup on Synology
Ubiquiti	UniFi Security Gateway	✓ Compatible		
Verizon	FiOS G1100	✓ Compatible	✓ Compatible	
Xfinity	XB6	✗ Not Compatible	LIMIT-DHCP	
Xiaomi	All models	✓ Compatible	✓ Compatible	

Additional List

User Contributed Router List (need confirmation)

Network Extenders:

There is a class of network extenders that will actively change or randomize all the Wifi devices connecting to it. These are not compatible with Firewalla. The reason is, Firewalla uses the device MAC address as the key to the device, if it keeps on changing, it will make monitoring impossible. (Such as NETGEAR EX3700)

Wifi Access Points: (Simple Mode)

If you have network devices, such as extenders, or routers acting as access points, you may need to put them into "not monitor" mode.

Comcast Routers:

Certain Comcast routers that run in DHCP mode (such as XB6) may have issues with blocking ipv6 traffic. This is because these routers cannot turn off ipv6 auto-config. We are working on a solution.

IPv6:

In Simple mode: IPv6 support needs manually turning on. Please tap on "+" then add the IPv6 feature.

In DHCP mode: DHCPv6 and auto-config should be turned off.

Network Size: (For advanced + business users)

Most home network by default is /24 network mask (253 networked devices). Please limit Firewalla Red's network to /24 and Firewalla Blue to /19

Guest Networks:

Guest networks are generally **not** supported by Firewalla. These networks are mostly 'inside' the router and not visible on the LAN side.

VPN Compatibility

To access the Firewalla VPN server, your ISP will need to give you an externally routable IPv4 address. (Most ISP does this already, we have seen cases in Germany, China, where the IP address provided is a private IP) Without this, your VPN client will not be able to talk to Firewalla.

VPN will not work in a pure IPv6 network, it only supports IPv4 at the moment. We are working on getting it working over IPv6. We encounter problems in some German ISP's, where IPv4 in IPv6 tunnel is used.

Compatibility with Other Devices

The idea behind the defense in depth approach is to defend a system against any particular attack using several independent methods. We engineered our box to play with other boxes just for this purpose.

Circle: If you have Circle on the network, make sure Circle is not monitoring Firewalla and Firewalla is not monitoring Circle. And both are not monitoring the same devices. Otherwise, your network will be shut down with packets flying all over the place.

Cujo: We have one user claim he ran Firewalla in Simple Mode under Cujo. (verified by another user)

Fing: Fully compatible. Do not use Fing to block a device that's monitored by Firewalla in Simple Mode.

PFSense: Pending confirmation, we have one user got Firewalla Simple mode working with it.

PiHole: This is the open source DNS server. Much like what Firewalla does. If you have this as your DNS server, please disable monitoring of the PiHole Unit inside Firewalla App. (tap on devices->find pi hole->tap on it->move to the bottom and monitoring off)

SonicWall: Should work in the Simple mode

Bitdefender: We do know a few users run Firewalla with Bitdefender in router mode.

Ubiquity: Firewalla works with many Ubiquity devices in simple mode.

User Contributed Router List

Brand	Model	Simple Mode	DHCP Mode
2WIRE	2WIRE	✔ Compatible	
ARCADYAN	VG7519	✔ Compatible	
ARCADYAN	SINGTEL WIFI	✔ Compatible	
Arris	TG862G	✔ Compatible	
Arris	TG1682G	✔ Compatible	
Arris	2Wire	✔ Compatible	
Arris	TG2492LG	✔ Compatible	
Arris	NVG468MQ	✔ Compatible	
Arris	NVG589	✔ Compatible	
ASUS	RT-AC66U	✔ Compatible	
ASUS	RT-AC86U	✔ Compatible	✔ Compatible
ASUS	RT-AC88U	✔ Compatible	
ASUS	RT-AC1200	✔ Compatible	
ASUS	RT-AC5300	✔ Compatible	✔ Compatible
ASUS	RT-AC3100	✔ Compatible	
ASUS	RT-N12	✔ Compatible	
ASUS	RT-ACRH13	✔ Compatible	✔ Compatible
AVM GmbH	FRITZ!Box 3490	✘ Not Compatible	✔ Compatible
AVM GmbH	FRITZ!Box 6490	✔ Compatible	✔ Compatible
AVM GmbH	FRITZ!Box 7360	✔ Compatible	
AVM GmbH	FRITZ!Box 7490	✘ Not Compatible	✔ Compatible
AVM GmbH	FRITZ!Box 7590	✔ Compatible	
Bitdefender	Bitdefender Box	✔ Compatible	
BSKYB	Sky Hub	✔ Compatible	
BSKYB	ADSL Router	✔ Compatible	
Cisco	RV320	✔ Compatible	
Cisco	Meraki	✔ Compatible	
Compal	CH7465LG	✔ Compatible	
D-LINK	DIR-615	✔ Compatible	
D-LINK	DIR-810	✔ Compatible	
D-LINK	DIR-818	✔ Compatible	

Brand	Model	Simple Mode	DHCP Mode
D-LINK	DIR-842	✔ Compatible	
D-LINK	DIR-859	✔ Compatible	
D-LINK	DIR-868	✔ Compatible	
D-LINK	DIR-879	✔ Compatible	
HITRON	CGNM-2250	✔ Compatible	
HITRON	Coda 4582	✘ Not Compatible	✔ Compatible
HiWifi	All models	✔ Compatible	
Huawei	B310s	✔ Compatible	✘ Not Compatible
Huawei	B683	✔ Compatible	✘ Not Compatible
Huawei	B593s-22	✔ Compatible	✘ Not Compatible
Huawei	HG658	✘ Not Compatible	✘ Not Compatible
Linksys	EA3500	✔ Compatible	✔ Compatible
Linksys	EA6500	✔ Compatible	✔ Compatible
Linksys	EA6900	✔ Compatible	✔ Compatible
Linksys	EA9500	✔ Compatible	✔ Compatible
Linksys	E3000 DDWRT	✔ Compatible	
Linksys	WRT1900ACS	✔ Compatible	
Linksys	E1200	✔ Compatible	
NEC	ATERM	✔ Compatible	
NEC	PR-400NE	✔ Compatible	
Netgear	N750/WNDR4300	✔ Compatible	
Netgear	R6220	✔ Compatible	✔ Compatible
Netgear	R8000	✔ Compatible	
Netgear	R9000/X10	✘ Not Compatible	✔ Compatible
Netgear	R8500	✔ Compatible	
Netgear	R6700v1	✔ Compatible	✔ Compatible
Netgear	R6700v2	✘ Not Compatible	✔ Compatible
Netgear	R7000P	✔ Compatible	
Netgear	R7000	✔ Compatible	
Netgear	C7000-NAS	✔ Compatible	
Netgear	C3000	✔ Compatible	
Netgear	C6300	✔ Compatible	
Netgear	R8300	✔ Compatible	
Netgear	D7800	✔ Compatible	✔ Compatible
Netgear	X6S/R7900	✘ Not Compatible	✔ Compatible
Proximus	BBox3	✔ Compatible	

Brand	Model	Simple Mode	DHCP Mode
SAGEMCOM	Home Hub 5	✔ Compatible	
SAGEMCOM	Home Hub 4	✔ Compatible	
SAGEMCOM	Home Hub 6	✔ Compatible	
SAGEMCOM	F@ST 5260	✔ Compatible	
SAGEMCOM	Home Hub 2000	✔ Compatible	
SAGEMCOM	Home Hub 3000	✘ Not Compatible	
SAGEMCOM	ADSL Router	✔ Compatible	
SAGEMCOM	F@ST 5280	✘ Not Compatible	✔ Compatible
SAGEMCOM	BBOX 3	✔ Compatible	
SAGEMCOM	3686	✔ Compatible	
Samsung	SMT G7400	✔ Compatible	
Technicolor	DJA0231	✘ Not Compatible	LIMIT-DHCP
Technicolor	DGA4131FWB	✔ Compatible	
TENDA	Nova	✔ Compatible	
TP-LINK	Archer C1200	✔ Compatible	
TP-LINK	Archer C3200	✔ Compatible	
TP-LINK	M5	✔ Compatible	
TP-LINK	TL-R600VPN	✔ Compatible	
TP-LINK	Archer C5400	✔ Compatible	
TP-LINK	Archer C2300	✔ Compatible	
TP-LINK	Archer C7	✔ Compatible	
TP-LINK	TL-WR841N	✔ Compatible	
TP-LINK	Archer D7	✔ Compatible	
TP-LINK	Archer A7	✔ Compatible	
TP-LINK	Archer C60	✔ Compatible	
TP-LINK	Archer C50	✔ Compatible	
TP-LINK	Archer C2600	✘ Not Compatible	✔ Compatible
TP-LINK	Archer C5	✔ Compatible	
Ubiquiti	Edge Router	✔ Compatible	✔ Compatible
ZTE	TR064	✔ Compatible	✔ Compatible
ZYXEL	EMG2926	✔ Compatible	
ZYXEL	PK5001Z	✔ Compatible	
ZYXEL	C3000Z	✔ Compatible	✔ Compatible