

What_is_DD-WRT?

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The current [web interface](#) of DD-WRT

DD-WRT is third party [firmware](#) released under the terms of the GPL for many Wi-Fi 4 and Wi-Fi 5 wireless routers based on a Broadcom or Atheros chip reference design.

The firmware is maintained by [BrainSlayer](#) and is hosted at [dd-wrt.com](#). The first versions of DD-WRT were based on the Alchemy Firmware from [Sveasoft Inc](#), which is in turn based on the original [GPL'd](#) Linksys firmware and a number of other open source projects. DD-WRT was created directly from Sveasoft's decision to start charging for their firmware, closing the door to open source.

DD-WRT is available for free, although a different business model was [drafted](#) in the past by BrainSlayer to pay his salary, as this is his full-time job.

Since version 2.4, DD-WRT deviates significantly from Alchemy. DD-WRT now offers many advanced features not found in the OEM firmware of these devices, or even the firmware available for purchase from Sveasoft. It is also free of the product activation or tracking found in the Sveasoft firmware.

Among other features not found in the original Linksys firmware, DD-WRT adds the [Kai Daemon](#) for the [Kai Console Gaming network](#), [WDS wireless bridging/repeating](#) protocol, [Radius Authentication](#) for more secure wireless communication, advanced [Quality of Service](#) controls for bandwidth allocation, and software support for the SD-Card hardware modification.

The *DD* in DD-WRT is the German car numberplate code for Dresden.

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Requirements

- A computer (Windows, Linux, Mac, whatever)
- A broadband internet connection (DSL, Cable, or similar)
- A [supported](#) router.
- The DD-WRT firmware image from [The DD-WRT Project](#)
- Follow the instructions under [Installation](#) to install the new firmware on your router.

Features

For new features, code, and issue tickets, see the SCM and project management at <https://svn.dd-wrt.com/>.

Feature v \ Categories->	<u>Lan</u>	<u>Wlan</u>	<u>Wan</u>	<u>DNS</u>	<u>Man- age- ment</u>	<u>Moni- toring</u>	<u>NAT</u>	<u>Serv- ices</u>	<u>Traffic mode- ration incl. QoS</u>	<u>Traffic redir- ection</u>
13 languages					*					
<u>802.1x Extensible Authentication Protocol (EAP)</u>		*								
<u>802.1x Extensible Authentication Protocol (EAP)</u>		*								
<u>Access Restrictions</u>									*	
<u>Ad hoc</u>		*								
<u>Afterburner</u>		*								
<u>Client Isolation Mode</u>		*								
<u>Client Mode</u> (supports multiple connected clients)		*								
<u>DHCP Forwarder (udhcp)</u>	*	*								*
<u>DHCP Server (udhcp or Dnsmasq)</u>	*	*						*		
<u>DNS Forwarder (Dnsmasq)</u>	*	*		*						*
<u>DMZ</u>	*	*							*	
<u>Dynamic DNS (DynDNS, easyDNS, FreeDNS, TZO, ZoneEdit, custom, and others)</u>				*						
<u>FreeRADIUS Server</u>		*			*			*		
<u>Hotspot Portal (Sputnik Agent, Chillispot)</u>		*								
<u>IPv6</u>										
<u>JFFS2 (JFFS2)</u>										
<u>MMC/SD Card Support</u> (hardware modification required)										

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<u>NTP</u>	*	*				*
<u>ntop Remote Statistic (ntop)</u>				*		
<u>OpenVPN Client & Server</u> (only in -vpn build of the firmware)						*
<u>Port Triggering</u>					*	
<u>Port Forwarding</u>					*	
<u>PPTP VPN Server & Client</u>						*
<u>QoS Bandwidth Management</u>						*
<u>QoS L7 Packet Classifier (l7-filter)</u>						*
<u>RFlow</u>				*		
<u>Routing (BIRD)</u>						*
<u>Samba FS Automount</u>						*
<u>Syslog</u>				*		
<u>Rx Antenna</u>		*				
<u>Tx Antenna</u>		*				
Show Status of Wireless Clients and WDS with System Uptime/Processor Utilization		*			*	
<u>Site Survey</u>		*			*	
<u>SNMP</u>			*	*		*
<u>SSH server & client (dropbear)</u>			*			*
Startup, Firewall, and Shutdown scripts (<u>startup script</u>)						*
<u>Static DHCP</u>	*	*				*
Style (Changeable GUI; v.23)				*		
Supports New Devices (WRT54G V3, V3.1, V4, V5 and WRT54GS V2.1, V3, V4)						
<u>Telnet server & client</u>				*		*
		*				

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Transmit Power Adjustment (0-251mW, default is 28mW, 100mW is safe)			
<u>UPnP</u>	*	*	
<u>USB</u>			
<u>VLAN</u>	*	*	*
<u>WOL (Wake On Lan) (WOL)</u>			
<u>WDS Connection Watchdog</u>		*	
<u>WDS Repeater Mode</u>		*	
<u>Wireless MAC Address Cloning</u>			*
<u>Wireless MAC Filter</u>		*	
<u>WMM (Wi-Fi MultiMedia)</u>		*	
WPA over WDS		*	
WPA/TKIP with AES		*	
<u>WPA2</u>		*	
Xbox Kaid (<u>Kai Engine</u>)	*	*	

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Supported & Recommended Devices

There are pages for [Supported Devices](#) and [Recommended Devices](#).

Firmware Versions

In the 2000's, DD-WRT was versioned with [semantic versioning](#). Since the release of version 2.4 SP1 in 2008, only beta versions of version 3.0 have been released, labeled with SVN revision numbers. While the "stable" folder remains in the Downloads section of the main site, these releases have not been updated in over a decade. Due to inevitable security improvements in the Linux kernel over such a long time, the beta releases are now considered more stable than version 2.4. As DD-WRT has evolved, so has its feature set. The [config files](#) specify which features are included in each build for each chipset. For reference, the features included in the legacy versioned releases can be found in [Version Features](#).