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## Hardware Specifications

<b>FCC ID</b>	TE7C9
<b>Industry Canada ID</b>	8853A-C9
<b>Power</b>	12 VDC, 3.3 A
<b>CPU</b>	Broadcom BCM4709 @1 GHz
<b>Architecture</b>	ARM Cortex A9 (2 cores)
<b>RAM / Flash (ROM)</b>	128 MiB / 16 MiB
<b>Switch</b>	Broadcom BCM4709
<b>LAN/WAN ports</b>	4 /1 @ 1 Gb/s
<b>USB Ports</b>	1x USB 2.0, 1x USB 3.0
<b>JTAG</b>	internal
<b>Serial</b>	internal, 4-pin header, 3.3V TTL
<b>WI1 chip</b>	Broadcom BCM4360
<b>WI1 protocols</b>	an+ac
<b>WI1 MIMO config</b>	3x3:3
<b>WI1 antenna connector</b>	U.FL, RP-SMA
<b>WI2 chip</b>	Broadcom BCM4360
<b>WI2 protocols</b>	bgn
<b>WI2 MIMO config</b>	3x3:3
<b>WI2 antenna connector</b>	U.FL, RP-SMA

The Archer C1900 is identical.

# How to install DD-WRT

## TP-Link Archer C9 v1

- Ensure you have latest firmware from TP-Link
- Download **factory-to-ddwrt.bin** from the **tplink\_archer-c9v1 directory** from one of the links [here](#).
- Read New Build and model-specific threads to determine the stability of a given build.

◇ E.g. [build 04-05-2016-r29409 factory-to-ddwrt.bin](#)

- Upload the dd-wrt firmware using the standard TP-Link UI and wait until router reboots
- Do a normal reset or nvrwram erase via telnet/ssh (**Do not 30/30/30 an ARM router!**)
- DO NOT UPDATE THE STOCK FIRMWARE TO A NEWER VERSION OR YOU MAY RISK A LOT OF EXTRA WORK. STICK TO STOCK BUILDS OLDER THAN 180125. 180125 will block your router from being able to update to any third party firmware. If your router is on this version or newer, you will need to follow this topic's instructions: [Working Solution to Archer C9 V1 - software only, no serial](#)

## TP-Link Archer C9 v2

- Ensure you have the latest firmware from [TP-Link](#) (tested with Archer C9(UN)\_V2\_160517)
- Download **factory-to-ddwrt.bin** from the **tplink\_archer-c9v2 directory** from one of the links [here](#).
- Read New Build and model-specific threads to determine the stability of a given build.

◇ E.g. [build 04-05-2016-r29409 factory-to-ddwrt.bin](#)

- Upload the dd-wrt firmware using the standard TP-Link UI and wait until router reboots
- Download the last appropriate dd-wrt firmware [here](#)
- Upload the latest good *webflash.bin* build using the dd-wrt GUI found under *Administration->Firmware Upgrade*

◇ DD-WRT v3.0-r30385 std (08/12/16) has been tested stable

## TP-Link Archer C9 v3, v4

Device thread: [TP-Link Archer C9 v3? \(EU\)](#)

- Do not use builds since 34080 (15088 KB, while 33772 was 13796 KB):  
<http://svn.dd-wrt.com/ticket/6144>
  - ◆ Seems fixed since 35452

**WARNING:** [Enabling JFFS bricks the router](#): "That seems to nuke all the way up to 0xFEFFFF in the SPI flash."

- TheDoc's fix for bricked v3/v4 is [here](#) original (deprecated) fix is [here](#).
- Easier-to-read v4 de-brick thread is [here](#)

NOTE: There is a US-only version of the v4 that is not yet supported - [Archer C9 V4 Unable to install firmware](#)

## TP-Link Archer C9 v5

This version is not currently supported. Doesn't look as if it will be anytime soon, either.

[TP-Link Archer C9 \(EU\) V5 DD-WRT Support \(NO GO\)](#)

[a bit of a question about Archer C9 v5...](#)

[TPLINK Archer C9 v5 unlock the protection](#)

## Troubleshooting

Device Forum Thread: <https://forum.dd-wrt.com/phpBB2/viewtopic.php?t=282831>

### Bricked Router

**Symptoms:** all the LEDs are ON, and you can't access to UI

Follow these steps:

- Switch off the router
- Download a complete binary-image of firmware
  - ◆ From the official [v1-page](#) OR [v2-page](#)
  - ◆ From the dd-wrt beta [downloads](#) (**not** tested)
- Rename the downloaded firmware with the following name: *archerc9v1\_tp\_recovery.bin* or "archerc9v2\_tp\_recovery.bin" if you have a v2 router
- Serve as TFTP server the renamed firmware on the following IP: 192.168.0.66
- Switch on the router, holding the RESET button for 2-4 seconds
- The firmware will be automatically downloaded and installed by the router

**Symptoms:** after the dd-wrt installation the MACs are changed!

- [TP-Link Archer C9 Thread - page 24](#)
- [TP-Link Archer C9 Brick Fix \(Revert To Stock Possibly\) - page 10](#)
- [TP-Link Archer C9 v3? \(EU\) - page 7](#)

### Recovery Mode

The v3 CFE has a built-in Webpage Firmware Recovery mode for bricked routers: see [TP-Link article](#).