



NETGEAR R7000P Nighthawk Smart WiFi Router Installation Guide

[Home](#) » [NETGEAR](#) » NETGEAR R7000P Nighthawk Smart WiFi Router Installation Guide 

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Contents

- [1 R7000P Nighthawk Smart WiFi Router](#)
- [2 Installation](#)
- [3 Disable LEDs](#)
- [4 Forum](#)
- [5 Documents / Resources](#)
- [6 Related Posts](#)

R7000P Nighthawk Smart WiFi Router

FCC ID	PY316200351
Industry Canada ID	4054A-16200351
Power	12 VDC, 3.5 A
CPU/SoC	Broadcom BCM4708C0 @ 1 GHz
CPU Architecture	ARM Cortex A9 (2 cores)
Flash (ROM) / RAM	128 MiB / 256 MiB
USB ports	1x USB 3.0, 1x USB 2.0
Wireless1 chip	Broadcom BCM4365E
Wireless2 chip	Broadcom BCM4360
WL1/WL2 protocols	an+ac / bgn
MIMO config	3×3:3
Antenna connectors	U.FL, RP-SMA
Ethernet	Broadcom BCM4708C0
Switch	Broadcom BCM4708C0
LAN / WAN ports	4 / 1 (up to 1 Gb/s)
Serial	4-pin header, internal, 3.3V TTL

Supported in DD-WRT since Kong r32945M (7/31/17); r34311(netgear-r8000-webflash.bin); r39267(factory-to-ddwrt.chk)

Installation

- Do not 30/30/30 reset ARM routers! Use the GUI Factory Defaults reset.
- DO NOT USE THE ROUTER DATABASE!
- Use builds in the netgear-r7000P directory (some are missing the factory-to-dd file)
- Initial flash: GUI reset then flash factory-to-dd-wrt.chk (r39267+) or dd-wrt.K3_R7000P.chk <Kong> (deprecated)
- Upgrade: netgear-r8000-webflash.bin (r34311-r38937); netgear-r7000p-webflash.bin (r39031+) or dd-wrt.v24-K3_AC_ARM_R7000P.bin <Kong> (deprecated)
- Reset after upgrade not usually required, but if you have issues, reset and manually set up first.

NOTE: The R7000P build target is the same as R8000, so older builds were named netgear-r8000-webflash.bin [Where do I download firmware?](#) & forum build threads for build recommendations

- Kong builds are deprecated and CloneVince's firmware download resource is no longer available.
- Also see the [Peacock announcement](#) for historical information

The R7000P is [misidentified as R6400v1](#) in builds 36816 up to 37715, so users should avoid them.

Disable LEDs

In the GUI, go to Admin->Commands and save the following as a Startup Script, then reboot:

```
#!/bin/sh
#
for i in 2 3 8 9 10; do gpio enable $i ; done
for i in 11 12 13; do gpio disable $i ; done
et robowr 0x0 0x18 0x1ff
et robowr 0x0 0x18 0x0
et robowr 0x0 0x1a 0x0
```

This can alternatively be ran manually (line by line or separated by ‘;’) from telnet/ssh/Commands Reference: [dcglabs’ forum post](#)

Forum

Do not use the Tathagata build.

Documents / Resources

	<p>NETGEAR R7000P Nighthawk Smart WiFi Router [pdf] Installation Guide</p> <p>R7000P Nighthawk Smart WiFi Router, R7000P, Nighthawk Smart WiFi Router, Smart WiFi Router, WiFi Router, Router</p>
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