

**Linksys WRT300N v2 fw 2.00.08 Wireless Upgrade Test Results****Definitions/Clarifications:**

Upgrade => the firmware the device originally was running and the firmware it was upgraded

Password Success => did the software successfully retrieve the password?

Upgrade Success => did the software successfully upgrade the firmware?

Reboot Success => did the software successfully initiate a device reboot?

Boot Success => did the upgraded firmware boot to completion? Did processes start (includir

Additional Boot Success => after an additional power-cycle, did the upgraded firmware boot t

Orig Up/Down (Kbit/s) => upload and download speeds of the manufacturer's original 2.00.08

CB Up/Down (Kbit/s) => upload and download speeds of the zakura (CB) 2.00.08 firmware (u

**20 January 2010 (Feb2010\_FAT) Tests:**

<b>Trial</b>	<b>Upgrade</b>	<b>Password Success</b>	<b>Upgrade Success</b>	<b>Reboot Success</b>
1	Orig ->MILAN	Y	Y	Y
2	Orig -> NY	Y	Y	Y
3	Orig ->MILAN	Y	Y	Y
4	Orig -> NY	Y	Y	Y

**17 July 2009 (Improved Squid Support) Tests:**

<b>Trial</b>	<b>Upgrade</b>	<b>Password Success</b>	<b>Upgrade Success</b>	<b>Reboot Success</b>
1	Orig ->MILAN	Y	Y	Y
2	Orig -> NY	Y	Y	Y
3	Orig ->MILAN	Y	Y	Y
4	Orig -> NY	Y	Y	Y

**28 March 2009 Tests:**

<b>Trial</b>	<b>Upgrade</b>	<b>Password Success</b>	<b>Upgrade Success</b>	<b>Reboot Success</b>
1	Orig -> zakura A	Y	Y	Y
2	Orig -> zakura B	Y	Y	Y
3	Orig -> zakura A	Y	Y	Y
4	Orig -> zakura B	Y	Y	Y
5	Orig -> zakura A	Y	Y	Y
6	Orig -> zakura B	Y	Y	Y

7	Orig -> zakura A	Y	Y	Y
8	Orig -> zakura B	Y	Y	Y
9	Orig -> zakura A	Y	Y	Y
10	Orig -> zakura B	Y	Y	Y
11	Orig -> zakura A	Y	Y	Y
12	Orig -> zakura B	Y	Y	Y
13	Orig -> zakura B	Y	Y	Y
14	Orig -> zakura B	Y	Y	Y
15	Orig -> zakura A	Y	Y	Y
16	Orig -> zakura B	Y	Y	Y
17	Orig -> zakura A	Y	Y	Y
18	Orig -> zakura B	Y	Y	Y
19	Orig -> zakura A	Y	Y	Y
20	Orig -> zakura B	Y	Y	Y
21	Orig -> zakura A	Y	Y	Y
22	Orig -> zakura B	Y	Y	Y

**Drop Connection Tests**

1	Shutdown wireless client immediately after kicking off browser "update.cgi"	Y	Y	Y
2	Shutdown wireless client immediately after kicking off browser "update.cgi"	Y	Y	Y

**Linksys WRT300N v2 fw 2.00.08 Wireless Upgrade Test Results (13 Mar 2009)**

(with svn 4916 images) on WRT300N v2 (WLAN MAC=00:18:39:21:9A:78)

Trial	Upgrade	Password Success	Upgrade Success	Reboot Success
1	Orig -> zakura A	Y	Y	Y

2	Orig -> zakura B	Y	Y	Y
3	test milan A (no internet connecti	Y	Y	Y
4	test milan B (no internet connecti	Y	Y	Y
5	-> real A (no internet connecti	Y	Y	Y
6	-> real B (no internet connecti	Y	Y	Y
7	Orig -> zakura A	Y	Y	Y
8	Orig -> zakura B	Y	Y	Y
9	test milan A (no internet connecti	Y	Y	Y
10	test milan B (no internet connecti	Y	Y	Y
11	-> real A (no internet connecti	Y	Y	Y
12	-> real B (no internet connecti	Y	Y	Y
13	-> real B (no internet connecti	Y	Y	Y

**Linksys WRT300N v2 fw 2.00.08 Wireless Upgrade svn 6392 Test Results (29 Mar 2009)**

with svn 6392 images) on WRT300N v2 (WLAN MAC=00:18:39:21:9A:78)

svn 6392 can beacon through squid proxy

Trial	Upgrade	Password Success	Upgrade Success	Reboot Success
1	Orig -> zakura A	Y	Y	Y
2	Orig -> zakura B	Y	Y	Y
3	test milan A (no internet connecti	Y	Y	Y
4	test milan B (no internet connecti	Y	Y	Y
5	-> real A (no internet connecti	Y	Y	Y
6	-> real B (no internet connecti	Y	Y	Y
7	Orig -> zakura A	Y	Y	Y

with svn 6392 images) on WRT300N v2 (WLAN MAC=00:18:39:21:9A:78)

to (Orig = Manufacturer's original 2.00.08, zakura A/B = CB 2.00.08 firmwares beaconing to zakura, M

ing tbot)?  
 o completion? Did processes start (including tbot [if applicable])?  
 } firmware (using <http://www.speakeasy.net/speedtest/> Seattle)  
 ising <http://www.speakeasy.net/speedtest/> Seattle)

Boot Success	Additional Boot Success	Comments
Y	Y	
Y	Y	
Y (see Comments)	Y	Wireless not working upon initial reboot – power-cycle fixed issue.
Y	Y	

Boot Success	Additional Boot Success	Comments
Y (see Comments)	Y	Atheros Driver error on boot (madwifi stuck beacon)– mm sent beacon but wireless not operable. Power-cycle fixed issue.
Y	Y	
Y	Y	
Y (see Comments)	Y	Atheros Driver error on boot (madwifi stuck beacon)– mm sent beacon but wireless not operable. Power-cycle fixed issue.

Boot Success	Additional Boot Success	Orig Up/Down (Kbit/s)	CB Up/Down (Kbit/s)
Y	Y		
Y	Y	3044/4702	3671/5248
Y (see Comments)	Y	2552/4635	4539/4672
N (see Comments)	Y	3490/4387	4193/4604
Y	Y	3620/4248	2984/4694
Y	Y	2467/4274	3409/4489

Y	Y	3161/3413	2937/1111
Y	Y	2603/4641	4946/4449
Y	Y	3190/3854	
Y (see Comments)	Y	5403/4810	4786/5079
Y	Y	5291/5273	4613/4336
Y	Y	4631/4378	4631/4927
N (see Comments)	Y	918/1987	2044/4372
Y (see Comments)	Y	1970/3947	1041/2904
Y	Y	896/1473	741/2048
N (see Comments)	Y	3520/4050	
Y	Y	534/2287	648/1416
Y	Y	726/954	1035/1780
Y	Y	1381/1379	985/2665
Y	Y	1727/2911	921/1560
Y	Y	3775/3552	3275/5360
Y	Y	1450/3897	2813/2996
Y	Y		
Y	Y		

Boot Success	Additional Boot Success	Orig Up/Down (Kbit/s)	CB Up/Down (Kbit/s)
Y	Y	3800/4721	5391/4871

Y	Y	3936/4465	3827/4523
Y	Y	N/A	N/A
Y	Y	N/A	N/A
Y	Y	N/A	N/A
Y	Y	N/A	N/A
N (see Comments)	Y	4127/4099	3944/3225
Y	Y	4001/3876	4244/4561
Y	Y	N/A	N/A
Y	Y	N/A	N/A
Y	Y	N/A	N/A
Y	Y	N/A	N/A
Y	Y	N/A	N/A

<b>Boot Success</b>	<b>Additional Boot Success</b>	<b>Orig Up/Down (Kbit/s)</b>	<b>CB Up/Down (Kbit/s)</b>
Y	Y		
Y	Y		
Y	Y	N/A	N/A
Y	Y	N/A	N/A
Y	Y	N/A	N/A
Y	Y	N/A	N/A
Y	Y	N/A	N/A

ILAN/NY = firmware configured to beacon to MILAN/NY)

### Comments

Atheros Driver error on boot – mm beacons successfully but wireless not operable. Power-cycle fixed issue.

Atheros Driver kernel panic on boot – Power-cycle fixed issue. This is a Linksys/Atheros issue.

Wireless driver kernel panic when reflash back to original image – at the start of a reflash event, the wireless drivers are rmmmod'd, and this caused the kernel panic. This is a Linksys issue.

Atheros Driver error on boot – mm beacons successfully but wireless not operable. Power-cycle fixed issue.

Boot process stalled at “starting wifi”. Power-cycle fixed issue. This is a Linksys/Atheros issue.

Boot process reported “Segmentation Fault” when starting firewall. mm beacons successfully. Wireless client had access to device, but no internet access. Reboot (from wireless client via web interface) fixed issue. This is a Linksys issue.

Boot process reported “modprobe: failed to load ath\_pci” and stalled. Power-cycle fixed issue. This is a Linksys/Atheros issue.

Manually power-cycled device after reflashing original firmware.

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## Comments

Changed ssid to "test\_300n" before test

Wireless driver kernel panic/core dump  
Corrupted kernel when original firmware restored.

Initial Beacon attempt at 12 hours

Initial Beacon attempt at 12 hours

### **Comments**

Initial Beacon attempt at 12 hours, next 4 hours later, etc.  
Initial Beacon attempt at 12 hours, next 4 hours later, etc.