



DOCSIS[®] Firmware Patch Notice

Broadcom Firmware 4.0.1



PURPOSE

The purpose of this document is to provide information about Broadcom firmware version 4.0.1 b2 for the 3348 based transponders and 4.0.1 b4 for the 3349 based DOCSIS transponders. For the 3348 based products, this is a Broadcom only firmware update. None of the Dallas code has been updated.

IMPORTANT

There are no feature additions in this release. This is a patch to the 4.0.0 release to fix four issues discovered after the 4.0.0 release. Since one of the issues has the potential to leave the transponder in an inoperable state, it is extremely important to update any transponders running version 4.0.0 code to this release as soon as possible. It should also be noted that the standard DOCSIS code base did not change in this release. The fixes only affect the transponder application code, are limited to a single module in all cases, and are very minor in scope.

REV. A
April 9,
2010

Product Personalities Affected (3349 Processor)

Personality	Part Number	Description
1650	66900-0659	HMS022 Internal
1651	66900-0659	HMS022 Internal Dual IP
1652	66900-0677	CMD-P+ HMS022
1653	66900-0677	CMD-P+ HMS022 Dual IP
1654	66900-0677	CMD-P+ Alpha XM2 120v
1655	66900-0677	CMD-P+ Alpha XM2 120v Dual IP
1656	66900-0677	CMD-P+ APC 120v
1657	66900-0677	CMD-P+ APC 120v Dual IP
1658	66900-0677	CMD-P+ Alpha XM
1659	66900-0677	CMD-P+ Alpha XM Dual IP
1660	66900-0677	CMD-P+ ZTT+ Pre-98
1661	66900-0677	CMD-P+ ZTT+ Pre-98 Dual IP
1662	66900-0677	CMD-P+ ZTT+ Post-98
1663	66900-0677	CMD-P+ ZTT+ Post-98 Dual IP
1664	66900-0677	CMD-P+ APC SM7 240v
1665	66900-0677	CMD-P+ APC SM7 240v Dual IP
1668	66900-0677	CMD-P+ Citation II
1669	66900-0677	CMD-P+ Citation II Dual IP
1670	66900-0677	CMD-P+ Alpha XM2 240v
1671	66900-0677	CMD-P+ Alpha XM2 240v Dual IP
1812	66900-0702	ECMM Vecima
1820	66900-0680	CMD-EL (End-of-Line)
3600	66900-0657	CMD-N-HLN3x4x - Orange Single IP
3601	66900-0657	CMD-N-HLN3x4x - Orange Dual IP
3602	66900-0665	CMD-N Motorola SG4000
3603	66900-0665	CMD-N Motorola SG4000 Dual IP
3604	66900-0657	CMD-N-HLN3x4x - Green Single IP
3605	66900-0657	CMD-N-HLN3x4x - Green Dual IP
3612	66900-0722	CMD-N Cisco GS7000
3613	66900-0722	CMD-N Cisco GS7000 DUAL IP

Product Personalities Affected (3348 Processor)

Personality	Part Number	Description
1600	900-0571	Alpha Embedded Dual IP
1601	900-0620	Alpha External Dual IP
1602	900-0528	Alpha Embedded Single IP
1603	900-0617	Alpha External Single IP
1605	900-0568	Lectro CPR External Single IP
1608	900-0618	CMD-P
1800	900-0595	CMD-E

Feature Enhancement and PTR Table (Changes from 4.0.0 to 4.0.1)

Description	DOCSIS Cable Modem	CMD-P+	CMD-EL	CMD-N Cisco	CMD-N HLN	CMD-N Moto	OEM eCMM	Emb eCMM Txpndr
PTR 9410 - Corrected issue that could leave transponder inoperable after download if HTTP username or passwords are null.		✓	✓	✓	✓	✓	✓	✓
PTR 9383 - Corrected issue that could cause inaccurate VoIP scores in CMD-EL.			✓					
PTR 9421 - Corrected handling of receiver switching at startup.				✓				
PTR 9422 and 9423 - Corrected A/B switching recovery issue when secondary path goes bad after the primary has recovered but recovery time has not yet elapsed.				✓				


NEWLY SUPPORTED OR UPDATED MIB'S - None

RECOMMENDATION

Cheetah Technologies highly recommends that all versions of the Cheetah DOCSIS Transponders (both 3348 and 3349 based) be upgraded to this latest firmware. For assistance with upgrading, contact Cheetah Support at 1-866-944-1482.

IMPORTANT NOTES REGARDING BROADCOM FIRMWARE VERSION 4.0 AND LATER

Cheetah Technologies is transitioning to a new CVC. The CVC change will eventually require a change to your CM config file to replace the Tollgrade CVC currently in use. There is no immediate action required for the transition with this release; however we are asking that all fielded product be upgraded to version 4.0.1 or later by the end of 2010. For 2010 we will continue to provide

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4.x code signed with the Tollgrade CVC. Starting in 2011 we will only provide code signed with the Cheetah CVC. Once code signed with the Cheetah CVC is downloaded the new Cheetah CVC will be required in the CM config file.

CHEETAH TECHNICAL SUPPORT


For questions, contact Cheetah Support at:

1-866-944-1482

cheetahsupport@cheetahtech.com

www.cheetahtech.com

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