

Firmware Release Notes

NF18ACV – VDSL/ADSL2+ Dual Band AC1600 Gigabit Gateway with VoIP



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Document history

This document covers the following product:

NetComm Wireless NF18ACV – VDSL/ADSL2+ Dual Band AC1600 Gigabit Gateway with VoIP

VER.	DOCUMENT DESCRIPTION	DATE
v1.0	Initial document release	6 November 2017
v1.1	Details changes to releases NC2-R6B012 and R6B016	18 December 2018
v1.2	Details changes to release NC2-R6B013	23 May 2019
v1.3	Details changes to release NC2-R6B014	27 August 2019
v1.4	Details changes to release NC2-RB6017	12 February 2020
v1.5	Details changes to release NC2-RB6021	26 November 2020
v1.6	Details changes to release NC2-RB6022	21 December 2020
v1.7	Details changes to release NC2-RB6023	17 September 2021
v1.8	Details changes to release NC2-RB6024	10 November 2023

Table i. - Document revision history

Contents

Firmware Details	4
Version History	4
NC2-R6B024	4
Enhancements	4
NC2-R6B023	4
New Features	4
Enhancements	5
NC2-R6B022	5
Enhancement	5
NC2-R6B021	5
New Features	5
Enhancements	5
NC2-R6B017	6
New Features	6
Enhancements	6
NC2-R6B014	6
Enhancements	6
NC2-R6B013	7
New Features	7
Enhancements	7
NC2-R6B012	7
New Features	7
Enhancements	8
R6B016	8
New Features	8
Enhancements	8
R6B015 – Initial production release	8
New Features	8
Enhancements	8

Firmware Details

ITEM	DESCRIPTION
Model	NF18ACV
Product Name	VDSL/ADSL2+ Dual Band AC1600 Gigabit Gateway with VoIP
Date	10 November 2023
Firmware Version	NF18ACV-NC2-R6B024
Official / Beta Firmware	Official
File Name	NF18ACV-NC2-R6B024.EN_Upgrade.w
File Size	31.2 MB
MD5 Checksum	B1AEEEBD464F05137768C37BDDEEA508

Version History

NC2-R6B024

Enhancements

- Updated firmware to check both primary and secondary DNS for keep-alive before sending DHCP discovery (TT 45143)
- This update addresses a security vulnerability (TT 44047)

NC2-R6B023

New Features

- Added capability to route traffic from a source address different from the LAN subnet (TT 24320)
- Added capability to switch calls using a flash key (TT 38096)
- Added patch for WiFi Krook security (TT 40389)
- Added information on webUI for connection uptime (TT 41584)
- [IPv6] Default Router Preference should be Medium and must include PIO (TT 41986, TT 41988)
- [IPv6] ULA with "Randomly Generate" enabled by default (TT 41987)
- [IPv6] RA default lifetime set to 1800 seconds per RFC4861 (TT 41989)
- Added a patch to address FragAttack vulnerabilities (TT 42262)
- Enabled SOS (Save Our Showtime) and RoC (Robust Overhead Channel) (TT 42302)

Enhancements

- 📶 WebUI enhancements (TT 24672, TT 39138, TT 41336, TT 41379)
- 📶 Fixed a date and time issue for VoIP calls (TT 20442)
- 📶 Fixed an issue where telnet showed time in UTC (TT 39869)
- 📶 Fixed the incorrect displays of MTU size and MSS size (TT 41132)
- 📶 Fixed an issue with DHCP static leases rule getting deleted after upgrade (TT 41583)
- 📶 Fixed an issue where IP filter is not working with subnet (TT 42282)
- 📶 Fixed an issue with IPv6-PD drop issue (TT 42310)
- 📶 Fixed an issue with QoS classification showing wrong queues (TT 42322)

NC2-R6B022

Enhancement

- 📶 Fixed an issue with the default 2.4GHz/5GHz key and password issue (TT 41586)

NC2-R6B021


















New Features

- 📶 Added hook and call status on the SIP page (TT 39464)





Enhancements

- 📶 Disabled Service in access control by default including SSH, Telnet, SNMP, Samba (TT 40589)
- 📶 Cosmetic updates on the QoS Classification page (TT 40488, TT 40487, TT 40473)
- 📶 Cosmetic update on the Password page (TT 40417)
- 📶 Cosmetic update on the Wizard page (TT 40722)
- 📶 Fixed a wizard issue where it would not save the VPI/VCI value if it was not 8/35 (TT 40158)
- 📶 Cosmetic updates to the DHCP option page and SIP settings (TT 39344)
- 📶 Enhanced the performance of the web user interface (TT 39434)
- 📶 Fixed an issue where applying changes remotely always shows a blank page (TT 39253)
- 📶 Fixed an issue with Port forwarding rules not correctly showing their WAN interface (TT 39807)
- 📶 Fixed an issue where Hide SSID on the 2.4GHz radio could not be turned off after it was turned on (TT 39684)
- 📶 Updated the ETH WAN interface default settings to "No VLAN" and "Dynamic IP" (TT 41423)
- 📶 Updated the VDSL interface default settings to "No VLAN" and "Dynamic IP" (TT 41422)
- 📶 Fixed Guest Wi-Fi password issue when the password is less than 8 characters (TT 41149)
- 📶 Added iperf3 support (TT 40154)
- 📶 Enhance CPE security (TT 41415)

New Features

-  Added a check to validate any incorrect input for Static IP DNS addresses (TT 26078)
-  Added support to enable /disable the Firewall in a created interface (TT 38331)
-  Added support to enable /disable access for HTTPS via the Access Control page (TT 38739)
-  Added support to allow username containing 5 or more special characters (TT38367)
-  Updated default setting with QoS classification enabled by default (TT 38432)
-  Added support to log in to the device remotely via HTTPS (TT 38738)
-  Updated the default setting of the RX Chain power save on the 2.4/5GHz to be disabled by default (TT 39134)
-  Added the ability to edit any created port forwarding rule (TT 39109)
-  Added the ability to edit any created port triggering rule (TT 39143)
-  Added the ability to edit any created MAC filtering rule (TT 39144)
-  Added the ability to edit any created QoS Classification rule (TT 39145)
-  Added the ability to edit any created incoming and outgoing IP filtering rule (TT 39147)
-  Added the ability to edit any created DDNS rule (TT 39148)
-  Added the ability to edit any created IPsec interface (TT 39150)
-  Added the ability to edit any created QoS Queue rule (TT 39146)
-  Added an option to hide SSID for both 2.4GHz and 5GHz Wi-Fi (TT 39242)
-  Added support to turn on/off the LED under advance setting (TT 20900)

Enhancements

-  Fixed an issue where reboot option was not able to trigger on a different WEB Page (TT 38357)
-  Fixed an issue where user was unable to change the Static DNS on the VDSL interface (TT 38374)
-  Fixed an issue where the advanced menu is missing if browser is accessed from a mobile device (TT 39026)
-  Fixed the intermittent CPE ring-back tone issue (TT 39116)

NC2-R6B014

Enhancements

-  Improved Wi-Fi performance (TT 39023)

NC2-R6B013

New Features

- ☰ Added HTTP link on the firmware version to direct to NetComm NF18ACV firmware page (TT 24765)
- ☰ Added HTTP link to "Visit NetComm Wireless Support Website" (TT 24764)
- ☰ Added special character support on the username/password fields (TT 26481)

Enhancements

- ☰ Updated 2.4GHz and 5GHz Wi-Fi Driver (TT 37972)
- ☰ Updated Wi-Fi default settings (TT 37982)
- ☰ Updated the dial plan to cover the 13[1-9]XXX series (TT 37823)
- ☰ Updated the VoIP DTMF rely to RFC2833 by default (TT 26328)
- ☰ Fixed a stability issue with IPv6 connection (TT 26375)
- ☰ Fixed an issue where DLNA reverts to disabled after the device is power cycled (TT 26121)
- ☰ Fixed an issue where a 31-bit subnet could not be setup on VDSL IPoE via the basic setup page (TT 25903)
- ☰ Fixed an issue where the device displayed an invalid session key message when the HTTP port was changed from the default setting. (TT 37905)
- ☰ Fixed an issue where only 32 entries could be entered on the Parental control page (TT 26327)
- ☰ Fixed an issue where the device cannot return the Wi-Fi Noise floor value (TT 37962)
- ☰ Fixed an issue with TR-069 parameters not reporting Currentlocaltime correctly (TT 38037)
- ☰ Fixed an issue where DHCP option 66 does not support more than 45 characters (TT 37907)
- ☰ Fixed a typo on the wizard setup (TT 24332)

NC2-R6B012

New Features

- ☰ New format for the gateway's web-based Graphical User Interface (GUI). (TT 20224)
For details on all the new WEB GUI changes, please refer to the latest [NF18ACV User Guide \(UG01040 v1.2\)](#)
- ☰ Configurable TR_069 port field added to Connection Request Authentication settings. (TT 22416)
- ☰ Adjusted the band steering behaviour. (TT 20593)
- ☰ Reduced the volume and used softer tone on the call waiting alert tone. (TT 21747)
- ☰ Reduced the frequency of sending SIP registration packets from every 2 seconds to every 5 minutes after receiving an error code 404. (TT 22876)
- ☰ Added support for entering TR-069 parameters for SNMP TrapIPAddress. (TT 22160)
- ☰ Adjusted the default SIP dial plan settings. (TT 21935)
- ☰ Adjusted the SIP dial tone. (TT 20911)
- ☰ Adjusted the Serial number of the inventory information to return the correct value. (TT 25325)

- Improved the 2.4GHz Wi-Fi performance. (TT 23538)

Enhancements

- Fixed the DSL LED so that it does not continue to blink even though there is no physical connection to the DSL port. (TT 20310, TT 21780)
- Fixed the Internet LED to only turn on when there is a functioning internet connection. (TT 20508)
- Updated the TR-69 Hardware version to the correct output value. (TT 19450)
- Fixed an issue the CPE become not responsive when changing the PPPoE username via the WEB GUI remotely. (TT 22306)
- Fixed an issue where the CPE is occasionally not able to respond to TR_069 provisioning. (TT 23071)
- Fixed an issue with port forwarding not able to apply on the same port that is used on the Access control page. (TT 19487)
- Fixed an issue with WAN port acting as LAN during start-up. (TT 21151)

R6B016

New Features

- Added an automatic firewall to block unsolicited VoIP traffic.

Enhancements

- Fixed a problem where automatic Wi-Fi channel selection could not be enabled/disabled via TR-069.
- Improved an issue with Wi-Fi throughput when country code was set to "NEW ZEALAND".
- Fixed an issue with priority marking on VoIP packets.

R6B015 – Initial production release

New Features

- None.

Enhancements

- None.