NetComm

Firmware Release Notes

NL1901ACV Enhanced Hybrid 4G LTE Gateway



Doc No. FR01090

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Note – This document is subject to change without notice.

Document history

This document covers the following product:

NL1901ACV Enhanced Hybrid 4G LTE Gateway

VER.	DOCUMENT DESCRIPTION	DATE
v1.0	Initial document release.	7 January 2019
v1.1	Changes for firmware version NC.AU-R6B023.	8 February 2019
v1.2	Changes for firmware version NC.AU-R6B025	6 May 2019
v1.3	Changes for firmware version NC.AU-R6B028	29 November 2019
v1.4	Changes for firmware version NC.AU-R6B030	18 December 2020
v1.5	Changes for firmware version NC.AU-R6B032	29 November 2020
v1.6	Changes for firmware version NC.AU-R6B033	8 March 2024

Table i. - Document revision history

Firmware details

ITEM	DESCRIPTION
Model	NL1901ACV
Product Name	Enhanced Hybrid LTE Gateway
Date	8th March 2024
Firmware Version	NL1901ACV.NC.AU-R6B033
Official / Beta Firmware	Official
File Name	NL1901ACV.NC.AU-R6B033.EN_upgrade
File Size	30.7 MB
MD5 Checksum	D47A2451C32003A5ABA2FA3533C2CA0B

Version history

R6B033

Enhancements

- Patched security vulnerability CVE-2024-25290 (TT 45303)

R6B032

New features

- Added DDNS support on "Any Wan" Interface (TT 25381)
- Added support for editing port forwarding rules (TT 41364)
- Added an option to set/edit MSS value via the WebUI (TT 42616)

Enhancements

- Updated a patch for Wi-Fi Security FragAttack vulnerabilities (TT 42265)
- Added a patch for Wi-Fi Kr00k security (TT 42758)
- Enabled SOS (Save our showtime) and Robust Overhead Channel (ROC) by default (TT 42757)
- Enabled ICMP by default on LAN side (TT 40927)
- Fixed an issue where BSSID of guest Wi-Fi is shown as "N/A" (TT 41420)
- Default value of Max Global client changed to 32 (TT 41543)

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- Added a message for IPsec Pre-shared key limitation (TT 41599)
- Fixed an issue where DHCP server was assigning 0.0.0.0 as secondary DNS (TT 42818)
- Fixed an issue where IPv6 Solicit message was not send by unit when uplink is broken for long (TT 42905)

R6B030

Enhancements

- Fixed an issue so that the correct WiFi driver version is displayed on the WEB GUI (TT 38356)
- Cosmetic update on the Access control page (TT 39697)
- Fixed the Update page so that firmware upgrade is not allowed, only install backup file is allowed (TT 40750)
- Fixed an issue where PE is unable to switch all using the flash key (TT 38096)
- Fixed a CPE lock-up issue when connected with mobile broadband connection (TT 40450)
- Enhanced the stability of the LTE connection (TT 40059)
- Add HTTPS support on the Access control page (TT 40799)
- Fixed an issue on the port triggering page (TT 39709)
- Cosmetic update on QoS classification page (TT 38600)
- Fixed a TR-069 connection request URL issue when CPE is connected to the LTE (TT 39749)
- Enhance the stability on the 5GHz connection (TT 41136)
- Updated the LAN side Access control setting via default (TT 41547))

R6B028

New features

- Added “LTE FDD Only” and “LTE Band 40 Only” options on the LTE interface (TT 39409, TT 39549)
- Added an LTE keepalive feature (TT 38349)
- Added a field to configure the TR-069 Connection Request port (TT 38734)
- Added support for RFC3021 (/31 prefixes) on the WAN IPoE interface (TT 38089)

Enhancements

- Fixed the WiFi WPS button assignment (the WPS 2.4G and 5G WPS button’s functionalities had been reversed) (TT 38121)
- Improved the Ethernet WAN IPoE keepalive mechanism (TT 38289)
- Improved LTE connection stability (TT 38673, TT 39230, TT 39386)
- Updated the 2.4GHz Auto channel behaviour when LTE is connected (TT 39408)

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R6B025

New features

- Added the connected mobile broadband service provider on the status page (TT 25086)
- Added support on SNMP OID for Mobile broadband RSSI (TT 38006)
- Added support on SNMP OID for Mobile broadband connection status (TT 38007)

Enhancements

- Fixed an issue where a 31-bit subnet could not be setup on VDSL IPoE via the basic setup page (TT 26605)
- Fixed a stability issue with IPv6 connections (TT37891)
- Fixed an issue with TR-069 parameters for device log which cannot return the correct value. (TT 37936)
- Fixed an issue with TR-069 parameters not reporting correctly with Currentlocaltime (TT 38036)
- Fixed a compatibility issue with the local LAN (TT 38023)
- Updated the output format on the TR-069 parameter for WiFi Possible channels (TT 37762)
- Updated the dial plan to cover the 13[1-9]XXX series (TT 37824)

R6B023

New features

- Added TR-069 parameters to return the current value for LTE Network name, IMEI, Cell ID and Signal strength and a TR-069 parameter to control the failover function (TT 24889)
- Added the serial number to the Inventory Information reported by the DSL modem (TT 25324)

Enhancements

- Fixed Cell ID information field to return the correct 28bit value rather than a 16bit value (TT 24750)
- Fixed an issue where LTE connection status via TR-069 was always shown as "Down" even when it was connected (TT 24891)
- Fixed a TR-069 issue where CPE failed to respond to a Connection Request from the ACS (TT 24892)
- Fixed the function to add/creates files using FTP via LAN side (TT 25046)
- Fixed the URL Whitelist filter so that it will only work during a specified time period (TT 25065)
- Fixed the Mobile Broadband Network field on the device information page so that it retrieves the network name from AT+QSPN rather than AT+COPS (TT 25085)
- Fixed the WPS button so that when pressed it does not turn off the WiFi Band (2.4G or 5G) (TT 25623)
- Corrected the UPnP information display so that the serial number of the device is displayed (TT 25651)
- Fixed an issue where CPE occasionally returned null information on the Inform packet to TR-069 (TT 26036)

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R6B021 – Initial firmware release

New features

- None.

Enhancements

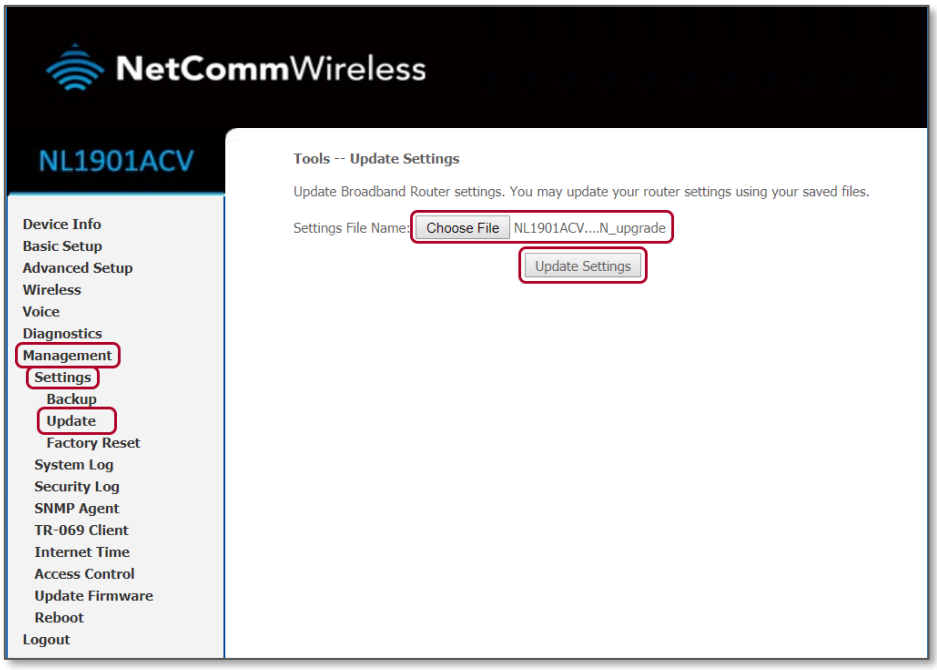
- None.

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Firmware upgrade instructions

Download the firmware file

1. Connect the supplied RJ45 Ethernet cable from one of the Ethernet Ports on the back of the device to your computer.
2. Connect the supplied power adapter to your router and press the on/off button to power the router on.
3. Allow 60 – 90 seconds for the NL1901ACV to power up.
4. Open a web browser (e.g. Chrome, Firefox, Safari, etc) and type http://192.168.20.1 into the address bar and press **Enter**.
5. At the login screen, type **admin** into the **Username** field. In the **Password** field, enter the random password printed on the device label (or if you have changed the password, enter your configured admin password) and click **OK.**
6. Select **Management -> Settings -> Update** from the menu on the left side of the screen.
7. On the **Tools – Update Settings** page click the **Choose File** button browse, locate and load the latest firmware **(NL1901ACV.NC.AU-R6B032.EN_upgrade)** file.



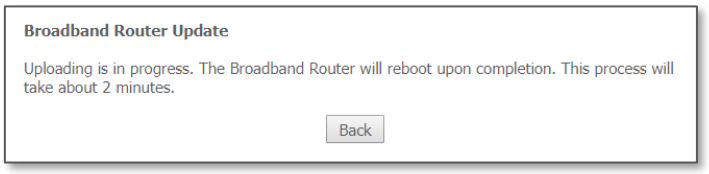
Details of the selected file will be displayed to the right of the **Choose File** button.

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Install the new firmware

8 Click the **Update Settings** button to proceed.

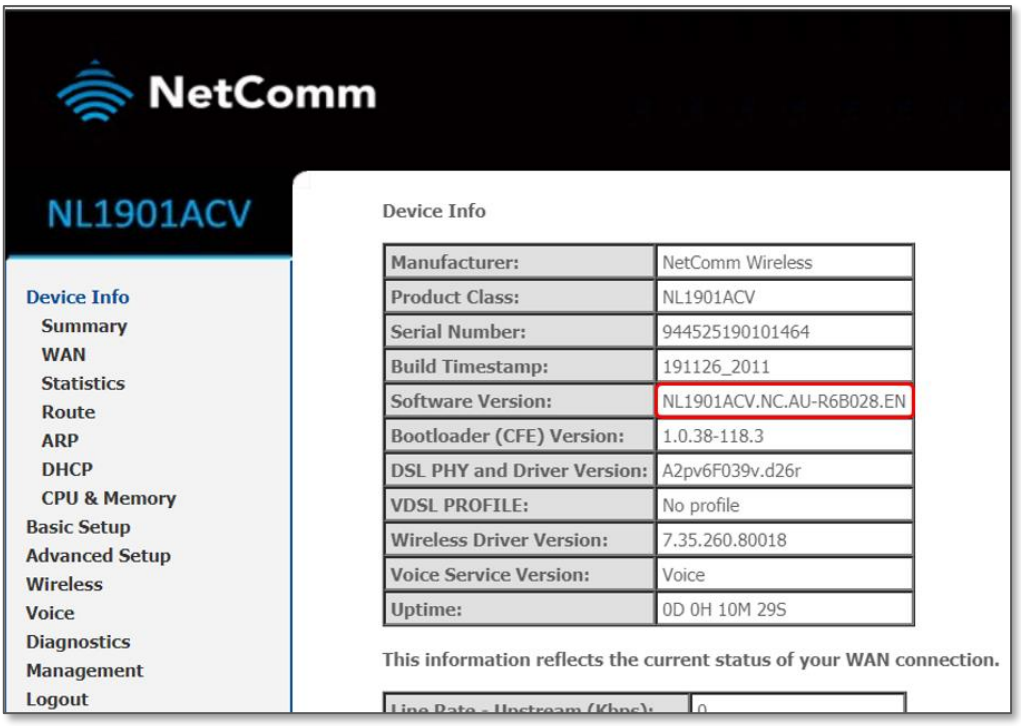
The page will display the following message:



The process will take a few minutes until the router reboots itself.

Confirm firmware update

9 Once the upgrade is done, you will be brought to the **Device Info** page:

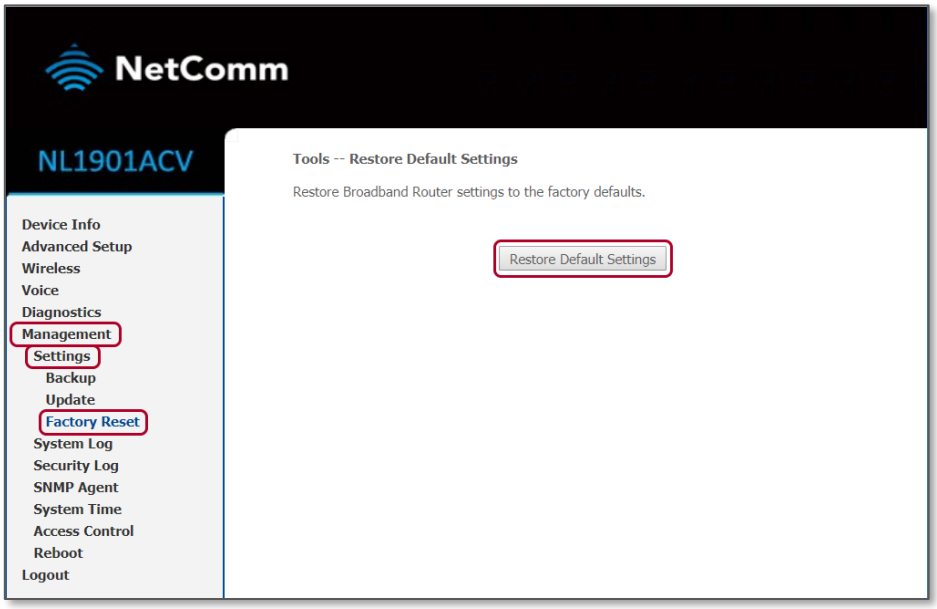


10 Confirm that the current **Software Version** of the firmware is: **NL1901ACV.NC.AU-R6B032.EN**

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Restore factory default settings

11 Using the menu on the left side of the screen, select **Management,** then **Settings** and then **Factory Reset.** Click the **Restore Default Settings** button to reset the device.



Important – We recommend resetting the router to the default settings after the firmware upgrade to ensure that it functions correctly.

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