

# Firmware Release Notes

**NTC-400 Series**



## Important Notice

This device, like any wireless device, operates using radio signals which cannot guarantee the transmission and reception of data in all conditions. While the delay or loss of signal is rare, you should not rely solely on any wireless device for emergency communications or otherwise use the device in situations where the interruption of data connectivity could lead to death, personal injury, property damage, data loss, or other loss. NetComm Wireless accepts no responsibility for any loss or damage resulting from errors or delays in transmission or reception, or the failure of the NetComm Wireless NTC-400 Series Router to transmit or receive such data.

## Safety and Hazards



**Warning** – Do not connect or disconnect cables or devices to or from the USB port, SIM card tray, Ethernet port or the terminals of the Molex power connector in hazardous locations such as those in which flammable gases or vapours may be present, but normally are confined within closed systems; are prevented from accumulating by adequate ventilation; or the location is adjacent to a location from which ignitable concentrations might occasionally be communicated.

## Copyright

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**Note** – This document is subject to change without notice.

## Document history

This document covers the following products:

NetComm NTC-400 Series Router

Ver.	Document description	Date
v1.0	Initial document release	11 May 2018

*Table i. - Document revision history*

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## Release information

Item	Details
Product model	NTC-402
Hardware version	v1.0
Firmware version	ONCOWF0.H51_e52.ONC1_201804131700
Firmware file name	NetComm-NTC-402_ONCOWF0.H51_e52.ONC1_201804131700.bin
MD5 sum	EDE14828CEBB2D69A0B72C47B7F72956
SHA256 sum	EF7DC24834A141A028C8FB3D71071FACB67D5411DBAC436017C29A656ED8B289

## Release history

### ONCOWF0.H51\_e52.ONC1\_201804131700

#### New Features

- Added support for VPN-GRE to specify FQDN for remote IP (TT 20552).
- Added router firmware upgrade support via TR-069 (TT 21527).
- Added support for module firmware upgrade via the web user interface and TR-069 (TT 19731).
- Added support for over-the-air router firmware upgrade via an HTTPS connection (TT 20638).
- The selected APN for the connected profile is now shown on the dashboard (TT 21199).
- When no SIM is detected, the user interface now prompts the user to insert one (TT 21219).
- Added roaming notification (TT 21203).
- Added support for SMS Sent folder displaying details "from", "to" and timestamp for every message (TT 21504).
- Added support for Virtual WAN (TT 23176).
- Added support for DHCP options 150, 160, and 42 (TT 19211).

#### Enhancements

- The NTC-400 is now WiFi Alliance compliant (TT 22128).
- Improved boot up time (TT 21233).
- Fixed VirtualCOM UDP Client mode (TT 20284).
- Fixed an issue where the NTC-400 could not save the syslog to external storage (TT 20763).
- Fixed DNS queries when the WAN connection is configured as Ethernet PPPoE connection type (TT 20933).
- Fixed ACS connection requests to the NTC-400 timeout error (TT 20937).

-  Fixed DHCP server options (TT 20979).
-  Fixed IP Passthrough (TT 21098).
-  Fixed configuration restore via TR-069 (TT 21114).
-  Fixed an issue with the OpenVPN process when Authorization mode is set to Static key (TT 21125).
-  Fixed an issue with GRE tunnelling without "Enable ping from WAN side" is enabled (TT 21135).
-  Corrected the behaviour of the DMZ and Virtual Server routing table (TT 20467).
-  Fixed a TR-069 issue where the network was flooded with "4 VALUE CHANGE" if one of the parameters was set with an Active Notification. (TT 20520).
-  Fixed a time display issue (TT 20927).
-  If the inserted SIM is PIN locked, this is now displayed in red on the Status page when logged in (TT 20621).
-  Updated default settings (TT 22431).
-  Fixed an issue where the NTC-400 did not connect to a Private IP WAN (TT 21488).
-  Corrected the band information displayed (TT 21639).
-  Updated the behaviour on "Show password" (TT 21757).
-  Fixed a bug where the WiFi module would not transmit with 20 MHz RF bandwidth on the 5 GHz band (TT 22003).
-  Advanced Status page automatically refreshes (TT 21228).
-  Updated the WiFi configuration page to display the current WiFi channel number when "Auto" is selected (TT 21701).
-  Updated behaviour of "SIM not inserted" message (TT 21750).
-  Fixed an issue where the router did not merge multiple ( $\geq 10$ ) SMS messages (TT 21871).
-  Fixed an issue with DHCP options (TT 21917).

#### Known issues

-  None.

ONCOWF0.H51\_e52.ONC1\_12201100 – Initial firmware release

Enhancements

 None – initial firmware release.

Known issues

 None.

## Firmware upgrade instructions

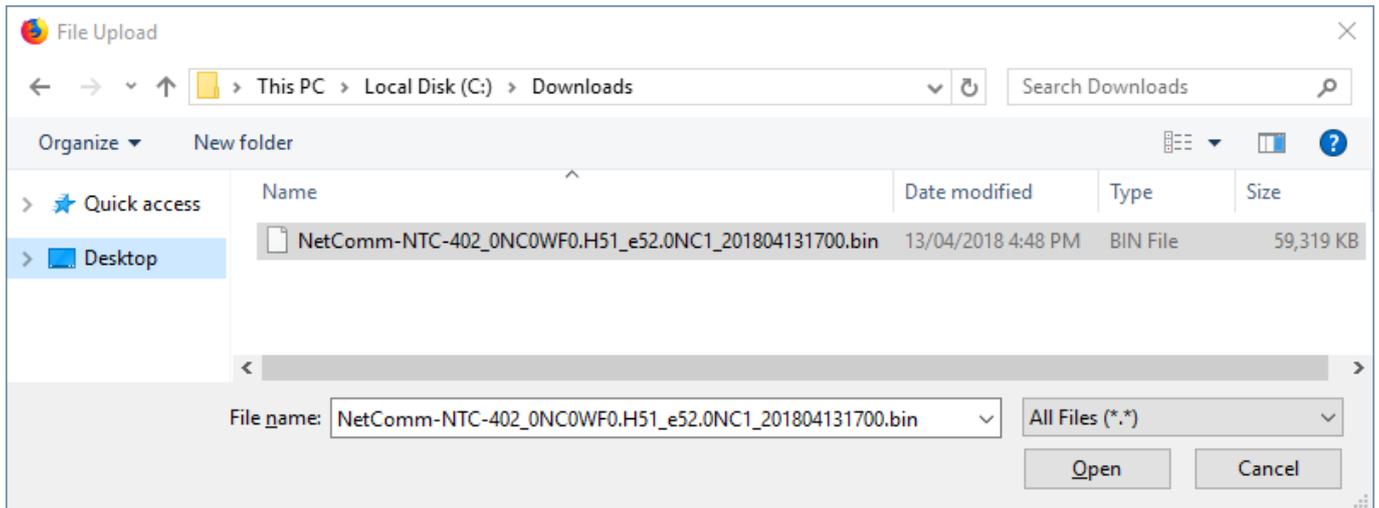
- 1 Navigate to **Administration -> System Operation -> Backup & Restore.**

◆ FW Backup & Restore	
Item	Setting
▶ FW Upgrade	Via Web UI ▾ FW Upgrade
▶ Backup Configuration Settings	Download ▾ Via Web UI Via Storage
▶ Auto Restore Configuration	<input type="checkbox"/> Enable Save Conf. Clean Conf. Conf. Info.
▶ Self-defined Logo	Download ▾ Via Web UI Via Storage Reset
▶ Self-defined CSS	Edit Download ▾ Via Web UI Via Storage Reset

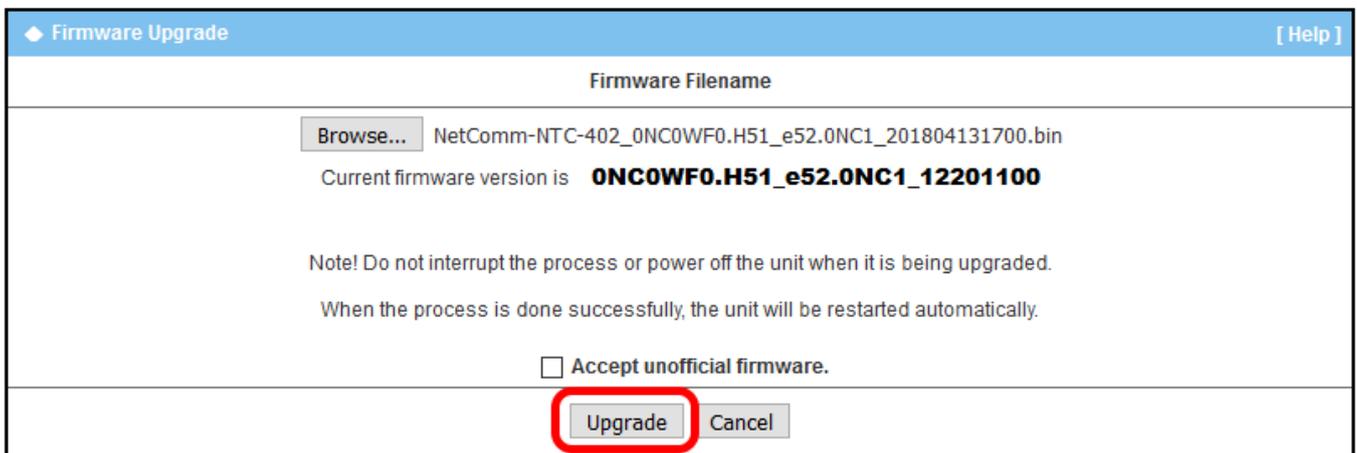
- 2 Next to FW Upgrade, ensure that “Via Web UI” is selected, then click on the **FW Upgrade** button. The Firmware Upgrade window is displayed.

◆ Firmware Upgrade <span style="float: right;">[ Help ]</span>	
Firmware Filename	
<input type="button" value="Browse..."/> No file selected.	
Current firmware version is <b>ONCOWF0.H51_e52.ONC1_12201100</b>	
Note! Do not interrupt the process or power off the unit when it is being upgraded. When the process is done successfully, the unit will be restarted automatically.	
<input type="checkbox"/> Accept unofficial firmware.	
<input type="button" value="Upgrade"/> <input type="button" value="Cancel"/>	

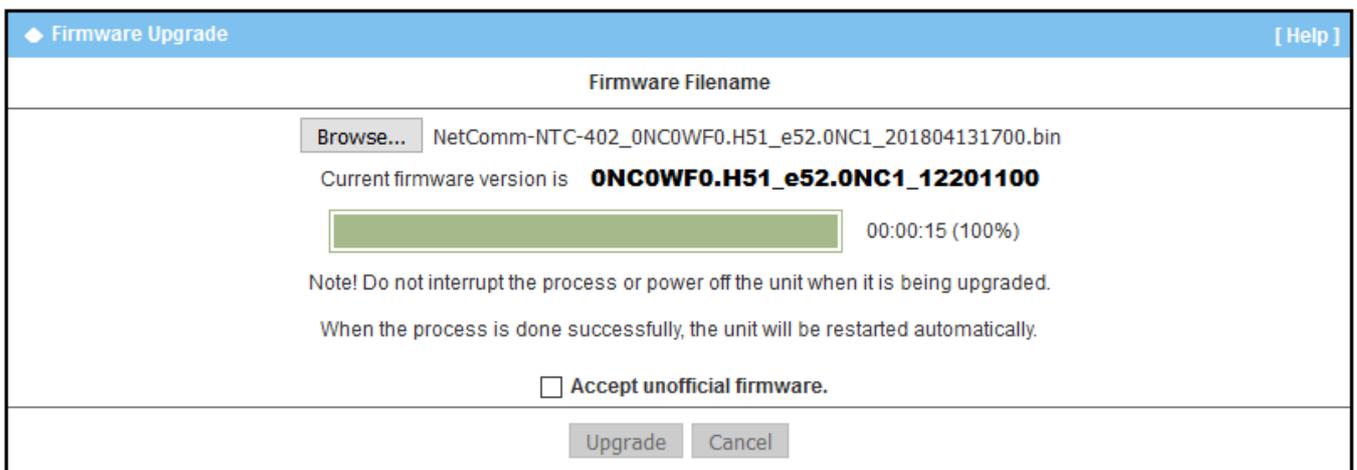
- 3 Click on the Browse button then locate the firmware file on your computer.



- 4 Click on the **Upgrade** button to begin the firmware upgrade.



The firmware upgrade process begins.



After about 1 minute, the system restarts and displays the following message:

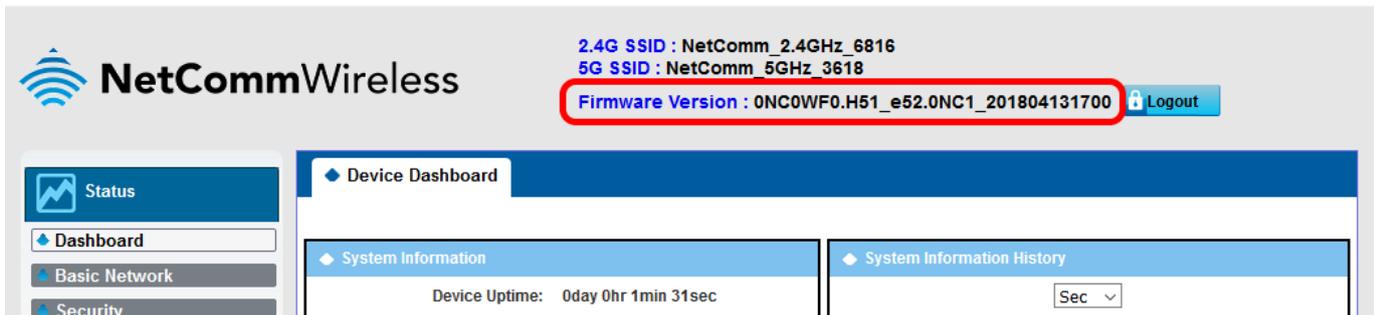
**Upgrade successful!**

**System is restarting...**

Remaining time: 117 seconds

When the timer reaches 0, the browser will refresh the display and you will be able to log in again.

- 5 Log in to the router again and confirm that the Firmware Version displayed on the Status page is correct.



The screenshot shows the NetCommWireless router status page. The top right corner displays the 2.4G SSID as 'NetComm\_2.4GHz\_6816' and the 5G SSID as 'NetComm\_5GHz\_3618'. Below this, the 'Firmware Version' is highlighted with a red box and reads '0NC0WF0.H51\_e52.0NC1\_201804131700'. A 'Logout' button is visible next to the firmware version. The left sidebar contains navigation options: 'Status', 'Dashboard', 'Basic Network', and 'Security'. The main content area is titled 'Device Dashboard' and includes a 'System Information' section showing 'Device Uptime: 0day 0hr 1min 31sec' and a 'System Information History' section with a 'Sec' dropdown menu.

The firmware upgrade is complete.