

# Booting in Recovery mode

# Introduction

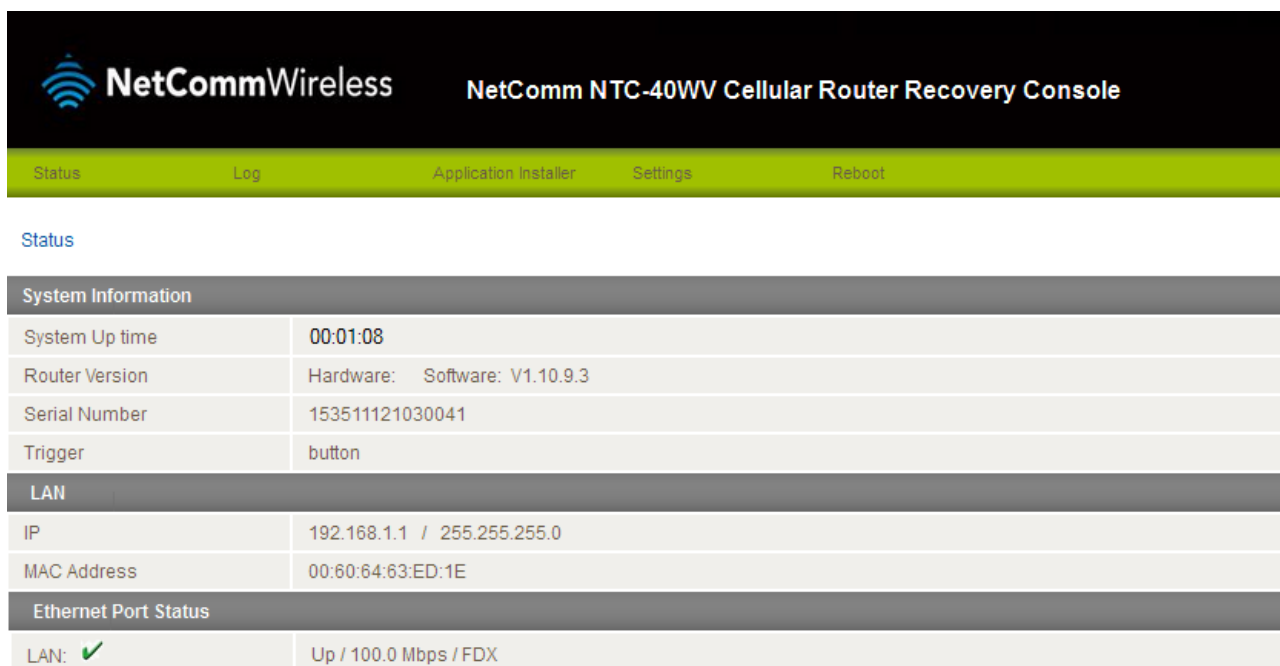
NetComm Wireless M2M Series routers feature two independent operating systems, each with their own file systems. These two systems are referred to as 'Main' and 'Recovery'. It is always possible to use one in order to restore the other in the event that one system becomes damaged or corrupted (such as during a firmware upgrade failure).

Both systems have Web interfaces that can be used to manipulate the other inactive system. M2M Series routers start up by default in the Main system mode, however the router may be triggered to start in recovery mode if desired. This document explains how to start M2M routers in recovery mode.


## Booting in Recovery mode

To force the router to start in recovery mode:

1. Power up the router and allow it to complete its boot-up sequence. This normally takes about 1 minute.
2. Press and hold the physical reset button on the interface panel of the router until all the LEDs on the front of the router flash on and off simultaneously then release the reset button. The router boots into recovery mode.
3. In your browser, navigate to <http://192.168.1.1>. The router's recovery mode is hardcoded to use this address regardless of the IP address that was configured in the main system. The router's recovery console is displayed.



The screenshot shows the NetComm Wireless NTC-40WV Cellular Router Recovery Console. The interface has a black header with the NetComm Wireless logo and the title 'NetComm NTC-40WV Cellular Router Recovery Console'. Below the header is a green navigation bar with links: Status, Log, Application Installer, Settings, and Reboot. The 'Status' link is selected. The main content area displays system information in a table format.

System Information	
System Up time	00:01:08
Router Version	Hardware:    Software: V1.10.9.3
Serial Number	153511121030041
Trigger	button
LAN	
IP	192.168.1.1 / 255.255.255.0
MAC Address	00:60:64:63:ED:1E
Ethernet Port Status	
LAN: 	Up / 100.0 Mbps / FDX

The recovery console provides limited functionality. Basic status information is available, as well as access to the System log for troubleshooting. The Application Installer can be used to upload and install different firmware, allowing you to roll back to a previous firmware in the event that an upgrade fails. The Settings menu provides the ability to reset the router to factory default settings and the Reboot tab allows you to perform a soft reboot of the router.