

BELKIN®

WIRELESS N+ ROUTER

N450

Software User Manual

F9K1003 8820-00797 Rev. A00

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SELF-HEALING

To ensure your Belkin Router continues to give you the best wireless Internet connection possible, Self-Healing automatically provides preventative maintenance tasks once a week. No action is required from you.

Self-Healing looks for the clearest channels to operate on and automatically makes the switch if a clearer channel becomes available. It also automatically cleans routing tables, which can become bloated and slow down your online connection over time. Self-Healing performs these activities routinely.

By default, preventative maintenance is performed once a week on Tuesdays, at 3:30 AM. To change the time of preventive maintenance or turn off Self-Healing, please read the following:

Setup Steps

1. Access the Belkin Router Manager:
 - a. Tray menu (bottom right corner of Windows screen)



SELF-HEALING

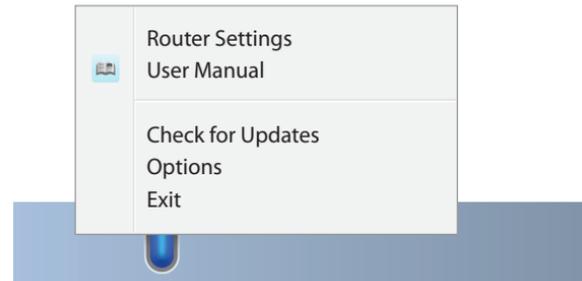
b. Menu bar (upper right corner of Macintosh screen)



2. Click on the blue Belkin Router Manager icon.

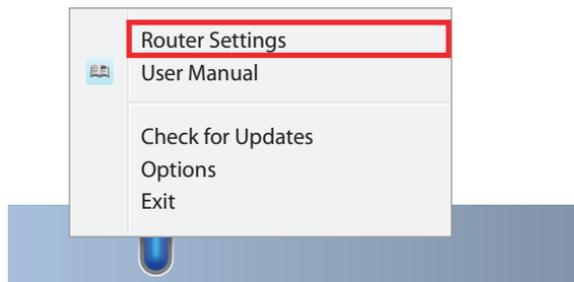


3. The Belkin Router Manager menu opens.



SELF-HEALING

4. Scroll to "Router Settings", highlight it and click to open.



5. Locate and click "Self Healing" in the left column of the Router Setup page.

The screenshot shows the Belkin Router Setup page. The left sidebar contains a list of navigation options, with "Self Healing" highlighted in red. The main content area displays the "Status" page, which includes a message: "You will need to log in before you can change any settings." Below this message are several tables of system information.

Language	
Current Language	English
Available Languages	English Deutsch Français Español Nederlands Italiano 简体中文 繁體中文 日本語 한국어
Time	June 15, 2010 1:20:00 PM

Version Info	
Hardware	F7D4301 v1
Firmware	1.00.15 (Feb 12 2010)
Boot Loader	1.07a
Serial No.	121010G4105511

Internet Settings	
WAN MAC Address	70:1a:04:c5:b1:38
Connection Type	Dynamic
WAN IP	172.24.16.104
Subnet Mask	255.255.252.0
Default Gateway	172.24.16.1
DNS Address	172.24.8.99

LAN Settings	
LAN/VLAN MAC	94:44:52:1E:58:80
IP Address	192.168.2.1
Subnet Mask	255.255.252.0
DHCP Server	Enabled (1 LAN, 1 WLAN Clients)

Features	
Firewall Settings	Enabled
SSID	Belkin 5809
Security	WPA-Personal (PSK)
UPnP	Enabled
Remote Management	Disabled
WPS	Enabled
Guest Access	Disabled
SSID	Belkin 5809.guests
Password/PSK	DA38E23843

SELF-HEALING

6. If you created a password for your firmware, log in with the password. If you have not yet set up a password, leave this field blank and click the "Submit" button.

The screenshot shows the 'Router Setup' page for a Belkin router. The left sidebar contains a navigation menu with categories: LAN Setup, Internet WAN, Wireless, Play Features, and Firewall. The main content area is titled 'Login' and contains the following text: 'Before you can change any settings, you need to login with a password. If you have not yet set a custom password, then leave this field blank and click "Submit"'. Below this text is a 'Password' label and a text input field. Underneath the input field, it says 'Default - leave blank'. At the bottom of the form are two buttons: 'Clear' and 'Submit'.

7. You can enable or disable Self-Healing by clicking the radio button next to "Enabled" or "Disabled".

The screenshot shows the 'Router Setup' page for a Belkin router, specifically the 'Health > Regular Maintenance' section. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Health > Regular Maintenance' and contains the text: 'Regular router re-initialization is helpful in maintaining a more problem free network.' Below this text is a section labeled 'Auto initialize my router >' with two radio buttons: 'Enabled' (which is selected and highlighted with a red box) and 'Disabled'. Below the radio buttons is a 'Set Days >' section with a list of days: SUN, MON, TUE, WED, THU, FRI, and SAT, each with a checkbox. Below the days is a 'Set Time >' section with a dropdown menu showing '03:30 A.M.'. At the bottom of the form are two buttons: 'Clear Changes' and 'Apply Changes'.

SELF-HEALING

8. If you enable Self-Healing, you can set up the time and day for routine maintenance.

BELKIN Router Setup

Health > Regular Maintenance

Regular router re-initialization is helpful in maintaining a more problem free network.

Auto initialize my router > Enabled Disabled

Set Days >

SUN
 MON
 TUE
 WED
 THU
 FRI
 SAT

Set Time > 03:30 A.M. ▾

Clear Changes Apply Changes

9. Once you have made your settings, click the "Apply Changes" button to save.

BELKIN Router Setup

Health > Regular Maintenance

Regular router re-initialization is helpful in maintaining a more problem free network.

Auto initialize my router > Enabled Disabled

Set Days >

SUN
 MON
 TUE
 WED
 THU
 FRI
 SAT

Set Time > 03:30 A.M. ▾

Clear Changes Apply Changes

Self-Healing Notification

If your Internet connection is disrupted, you will be notified with a blinking amber light on both your Belkin Router and Belkin Router Manager.

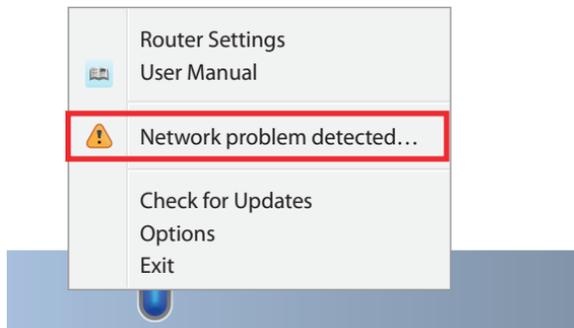


Self-Healing automatically attempts to reestablish a connection after you reboot your computer. If a connection is made, you will notice the light on the Router change from blinking amber to a solid blue.

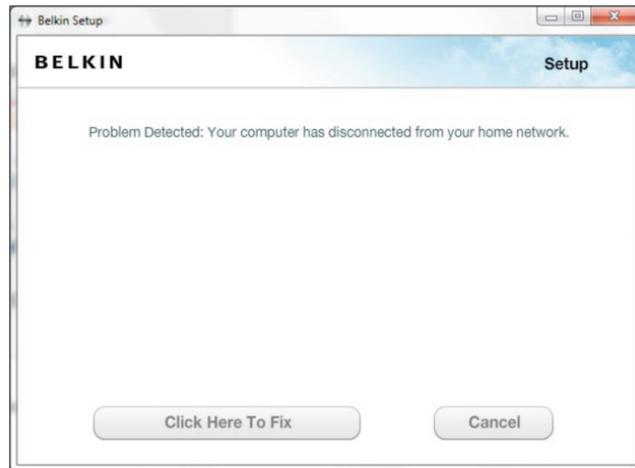
SELF-HEALING

To restore your connection:

1. Access the Belkin Router Manager menu, scroll to "Network problem detected", highlight it and click to open.

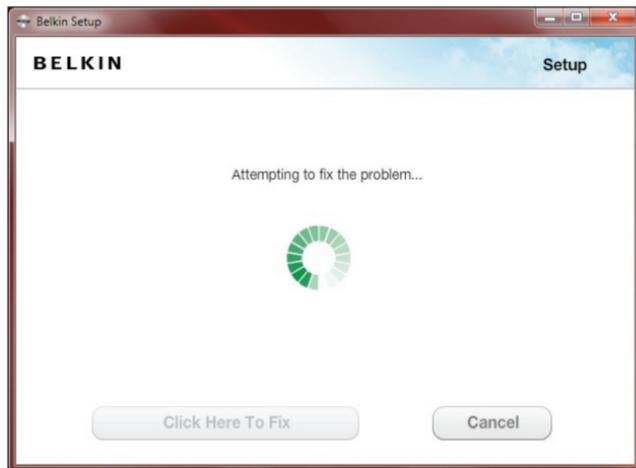


2. A Belkin Setup window opens, indicating that a problem has been detected. To fix the problem, click the "Click Here To Fix" button.

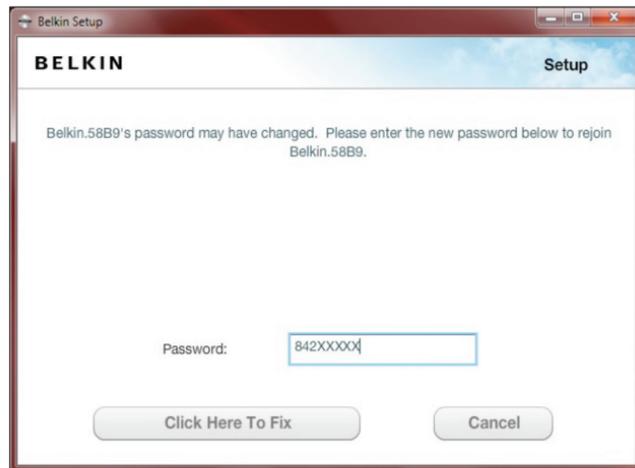


SELF-HEALING

3. Self-Healing works to fix the problem.

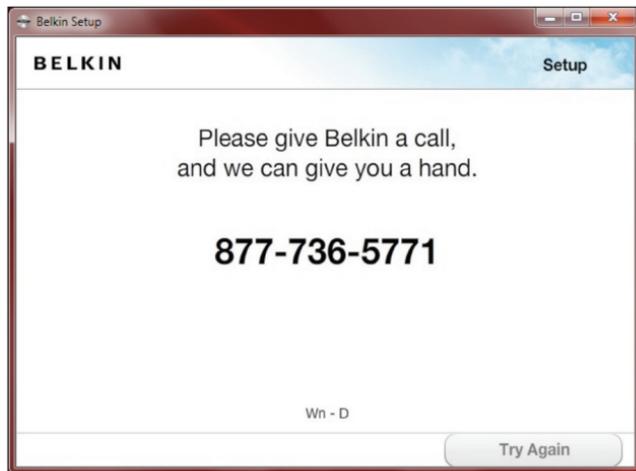


4. If the problem persists, you may be prompted to enter a new password. After entering the password, click the "Click Here To Fix" button.



SELF-HEALING

5. If the problem persists, you may be prompted to call Belkin's Technical Support for help.



6. Once Self-Healing has restored the connection, a message indicating "Your computer is connected" appears.

7. Click the "Close" button to close.



Self-Healing Wireless Radio

Self-Healing alerts you if your wireless radio hardware (aka Wi-Fi) is turned off. If you're using a laptop computer, you will want to make sure the wireless card is turned on so it can receive a signal from the Router. To turn on your wireless radio, look for a physical or software switch on your computer.

Typically, one of these three icons is shown next to the switch:



Due to the many variations in appearance of this switch, please consult your computer's manual for additional help. If your wireless Internet radio hardware is turned on but is still not connecting to the Internet, Self-Healing will automatically start a routine to reestablish the connection.

