



**FriendlyNET FR3002AL, FR3002AL-1PCM
Driver Set Ver. 2.5
RELEASE NOTE 01/18/2002**

Thank you for purchasing the FriendlyNET FR3002AL or FR3002AL-1PCM Internet Router. This is the release note for the FriendlyNET FR3002AL or FR3002AL-1PCM Internet Router, version 2.5. These drivers are the latest to be offered for the FriendlyNET FR3002AL or FR3002AL-1PCM Internet Router (part number 99-00650-01, 99-00659-01). Version 2.5 of the FriendlyNET FR3002AL or FR3002AL-1PCM Internet Router CD makes obsolete any other version of this CD.

PRODUCTS SUPPORTED (Subassembly P/N):

FriendlyNet Cable/DSL Router w/ Wireless Option, FR3002AL (61-20650-XX)
FriendlyNet Cable/DSL Router w/AeroLAN Wireless Card, FR3002AL - 1PCM 61-20659-xx)

FriendlyNET FR3002AL or FR3002AL-1PCM Internet Router Driver Version

History:

2.5AL (January, 2002)
2.11+AL (June 2001)
2.1 (May, 2001) Initial Driver Release

SUPPORTED OPERATING SYSTEMS AND BROWSERS:

This firmware has been tested on the following Operating Systems:

Microsoft Windows 95, 98, Me
Microsoft Windows NT 4.0
Microsoft Windows 2000 , XP
Macintosh 8.x, 9.x and OS 10.1.1

This firmware has been tested on the following Browsers:

Netscape Communicator For Mac: 4.6, 4.75, 6.2 for OS8/9, 6.2 for OS 10
Internet Explorer For Mac: 5.0 for OS 8/9, 5.1 for 8/9
Internet Explorer For PC 5.5, 6.0

UPGRADE INSTRUCTIONS:

**NOTE! DO NOT POWER OFF THE UNIT WHEN THE UNIT IS BEING UPGRADED.
DISCONNECT THE WAN PORT CABLE FROM YOUR BROADBAND MODEM DEVICE
BEFORE ATTEMPTING TO UPGRADE YOUR UNIT. FAILURE TO FOLLOW THESE RULES
MAY RESULT IN PERMANENT DAMAGE TO YOUR ROUTER.**

Windows Users:

For users of Microsoft Windows, please run FW25AL.EXE directly. It will search the Router on your LAN and ask you to type system password. Just type in the password and click "Upgrade" button. It takes about 30 seconds to finish the whole procedure. For users of other platforms, please refer to the section below for platform-independent upgrade.



Platform Independent Upgrade:

Please follow steps below to upgrade:

1. Go to the Asante Web site to download firmware image file, FW25AL.BIN. Remember the location you save this file.
2. Connect the Web user interface and login as system administrator.
3. Click the "Firmware Upgrade" button of "Miscellaneous" page (for version R1.88 to R1.90) or "Advanced" page (for version R1.95 and above). And the "Firmware Upgrade" screen will appear.
4. Enter the location of the previously downloaded file in the text box, or click "Browse" button to search for the file. And then click "Upgrade" button.

CHANGE HISTORY:

R2.5AL Fixes & Enhancements:

Enhancements:

1. Allow user to edit the MAC Address of the WAN port.
2. Improve the performance of data transfer between LAN and WAN by 60%~70%.
3. Add a optional "Assign IP Address" field in PPPoE WAN Type.
4. Support UDP traceroute.
5. Improve keep-alive function for some ISP.
6. Add support for Cable (BigPond-like) WAN Type - For Australian ISP Telstra.
7. Add "Timbuktu Pro" items into common ports list of Distributed Servers Setup.
8. Add the features for Hardware (MAC) Address Control.
9. Add support for PPTP WAN Type.
10. Add support for the following applications:
 - ICQ Phone
 - Net2Phone
 - MSN Messenger voice communications and file transferNote: You have to configure the PC to be the DMZ host.
11. Add a firewall feature to block port ranges for DMZ host.
12. Virtual Server now supports port range. For example, you can configure a Virtual Server for ports 2000-2999.
13. Enabling a "Special Application" with null trigger will now cause all ports listed in INCOMING PORTS to be blocked out even when DMZ host is enabled. The following setting is recommended when you enable DMZ host:
 - Trigger = [], Incoming Ports = [1-1023]
14. Add support for absolute timestamp on system log.
15. Add support for IP Fragment pass through.

Bug Fixes:

1. Pages were not properly displayed on the Macintosh Platform and with some newer browsers.
2. Status LED would light even though the router was functioning properly. Now the Status LED lights only when system start up and firmware upgrading.
3. Wireless clients running Windows XP lock up when accessing the router.
4. Fixed a potential security hole: the System password could be snooped in the IE History folder.
5. Print Server is slow.
6. Enlarge timeout for print server to solve some printing problems.
7. Entries in Virtual Server section cannot be cleared.
8. PPTP WAN type may not reconnect properly.
9. Problem with SonicWall SOHO VPN pass-through problem.



10. Problem with NetMeeting handling. You have to configure the PC to be the DMZ host.
11. Lock-up problems with WAN Dynamic IP Address WAN Type.
12. Key exchanging problems using IPsec pass-through
13. Incompatibility issue with @Home Cable.
14. Problem with TCP session timeout problem of ssh (port 22) and telnet (port 23).
15. Problem with Appletalk communication between Wireless and Wired LAN.
16. Problem with NetBEUI and other non TCP/IP protocol.
17. Incompatibility issue with the Orinoco WLAN card on Linux.

R2.11AL+ Fixes & Enhancements:

Enhancements:

1. Now supports 3Com HomeConnect Dual Link ADSL Modem.
2. Changed the default WAN type from "Static IP" to "Dynamic IP"
3. Increased the number of Virtual Servers to 20.
4. Changed the auto-reconnect lag from 10 to 5 seconds
5. Add the ability to backup current setting.

Bug Fixes:

1. Solved problems using the backup setting.
2. Changing the IP address pool of DHCP server without cold booting router causes problems.
3. Reconnection problem using PPP over Ethernet (PPPoE) WAN type.
4. The "Renew IP Address Forever" does not always renew the IP address.
5. The DHCP Clients List did not survive after software reboot.
6. DHCP client compatibility issue with ISC DHCP server.
7. Incompatibility issue with some PPPoE ISP's (Golden Triangle)
8. COM port status shows in the Web configuration even though there is no COM port.

2.10 Bug Fixes & Enhancements:

Enhancements:

1. The length of PPPoE & DUN usernames is now 53.

Bug Fixes:

1. Fix a security hole that was reported by:
Matt Bing
Anzen Computing, Inc.
<http://www.anzen.com>
2. Connection problem using Adelphia
3. IP address renewal problem.

SPECIAL NOTE:

1. The FR3002AL Wireless Router is designed to be used with the AeroLAN Wireless PCMCIA card (part number 99-00652-07) only. Use of any other card in the wireless portion of this router could result in performance or compatibility problems and is not supported.
2. **Do not power off the unit when the unit is being upgraded or damage may result.**
3. **Disconnect the WAN port cable from your broadband modem device before attempting to upgrade your unit or damage may result.**