

# NetRemote 6.0 Release Notes

NetRemote Version 6.0 for Novell Netware

April 7, 1995

*This document contains important information not available in the NetRemote documentation or online help. **Please read it completely.***

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## Technical Specifications

### ***To run NetRemote Host or Remote, your PC needs:***

- Intel 80386, 80486, or Pentium processor (or a compatible non-Intel processor)
- Microsoft Windows Version 3.1 or later (which requires DOS 3.1 or later)
- At least 2 MB of system memory (4 MB or more is recommended)

For remote control, one PC must run NetRemote Remote software and the other must run NetRemote Host software. For example, you can run NetRemote Remote and control a PC running NetRemote Host.

To use remote disk access (which is optional), the NetRemote Drive Redirector program must also be loaded on both PCs.

The Remote software runs entirely within Windows. The Drive Redirector and part of the Host software are DOS TSR (terminate and stay resident) programs that occupy small amounts of system memory after loading. If adequate Upper Memory Blocks are available, these elements automatically load all or part of themselves into high memory in order to conserve conventional memory.

The NetRemote package includes both Host and Remote software, plus the Drive Redirector.

o NRW Host and Remote have been tested with the following display drivers:

- Mach driver from ATI; use version 2.11 or greater;
- Wonder driver from ATI;
- SpeedStar driver from Diamond;
- VIPER driver from Diamond;
- Stealth Pro driver from Diamond;
- Cirrus driver from Cirrus Logic;
- Rocket driver from Western Digital;
- Kelvin 64 driver from Orchid;
- Fahrenheit 1280 Plus from Orchid.

The tested driver list is ongoing and is updated weekly.

### ***LAN Requirements (for Node-to-Node Connections)***

## New Features in NetRemote 6.0

This version of NetRemote includes several improvements over previous versions, including the following:

**Node-to-node support.** Besides modem and serial port connections, NetRemote now lets a PC on a NetWare (IPX) or NetBIOS LAN establish a node-to-node connection with another PC on the LAN. For details, see "To Make a Call to the Host (Node-to-Node)".

**Enhanced SETUP.** The SETUP installation program now automates many installation functions and offers greater flexibility. For example, SETUP now detects the COM port to which a modem is attached, detects and notifies you of the presence of a 16550 serial port UART, and sets the baud rate automatically. SETUP also provides an Uninstall option and a DOS-only Host installation.

**No keyboard driver changes.** Previous NetRemote versions changed Windows keyboard driver (but not the mouse or video drivers). This new version does not change mouse, video, or keyboard drivers.

**Enhanced video support.** NetRemote now provides remote control for higher video resolutions (e.g. 1280x1024) and "true color" (that is, 24-bit or "16 million color") video.

**Support for multiple simultaneous remote connections.** You can now run multiple instances of NetRemote Remote and have each instance maintain a different Host connection. This lets you control multiple Host PCs from a single Remote PC. Each Host can be connected across a LAN (node-to-node connection) or through modems.

**Chat improvements.** Remote and Host Chat in Windows now look and operate the same way. Also, when exiting from the Host Control Center, the Host Chat Window now closes itself automatically.

**Performance and interface improvements.** This version provides better speed and uses fewer Windows resources than previous versions. Also, to improve interface consistency, the Control Centers now "gray out" unavailable buttons instead of "X'ing" them.

**HOST now conserves conventional memory (below 640KB)** by automatically loading itself into available Upper Memory Blocks.

**NetRemote 6.0 Remote includes a File Transfer Accessory** which is easy to use (e.g. it supports \_drag and drop\_ file transfer).

**NetRemote automatically takes advantage of the buffer capabilities of 16550A UARTs** used in higher-performance serial ports.

**NetRemote's Drive Redirector** lets a Host user initiate file transfers (and more) using standard DOS commands or DOS or Windows utilities.

## **Known Problems**

### **NRW Host**

- o By default, the Host Control Center is not loaded when you start Windows. However, going to the NetRemote 6.0 group and double clicking on the NetRemote 6.0 Host icon will start the Control Center.
- o The WINHOST.BAT and WINNRWH.BAT batch files include a command "Host -a -q" to insure Host acquires the COM Port before Windows is started. This is essential if you want to connect to the Host and subsequently run DOS boxes remotely. If Host has not successfully acquired the COM Port before Windows starts, then when going to DOS boxes, the line will disconnect. This problem is being analyzed for a better approach.
- o Standard mode is supported but currently the performance with Standard mode in remote control is very slow. This problem is being analyzed.
- o If you get a blank screen on the NRW Remote when going to a full-screen DOS box, try putting the following line in the SYSTEM.INI file in the [Enh] section:

SysVMin2ndBank=0

### **NRW Remote**

- o Baud rates higher than 19.2 KB are not recommended unless your serial port is a 16550. Baud rate of 115.2 KB is not supported with Windows or McAfee's Comm drivers; however, 115.2 KB works with the TurboCom/2 driver from Pacific CommWare. At this rate, at least a 16550 UART is mandatory.
- o Voice/data switching is not working. This problem is being worked on.
- o To get full screen Remote Window view, make sure the option "Hide Title When Maximized" in the Terminal setup is enabled.
- o When maximizing the remote control window to go full-screen a notification box is displayed by default telling you how to get back to a "windowed" remote control window; if you select the check box to subsequently suppress this notification, it is saved in NRW.INI under the option "Show HotKey Message".
- o Printing issues:  
For those users who have printers selected which do not support PASSTHROUGH data streams, NRW will access the printer port directly. This may cause some intermixing of printed output if you are trying to print with a local application to the same LPT port. It is suggested that you postpone any local printing operation if you intend to use NRW for printing operations.

### **Redirector (MAPDRV.COM)**

- o Accessing a redirected drive from within a DOS box on either the Host or Remote is a problem and it is being analyzed.
- o There are no default redirected drives defined for the Host. To use drives on the Host redirected to real drives on the Remote you must first define them using the MAPSETUP.EXE utility at DOS or the Redirector function in the NRW Host Control Center.

- o There are default redirected drives defined on the NRW Remote. These start with the first drive designator after the last physical drive.
- o Generally, CD-ROM drive designators take precedence over the Redirector, so these drive designators cannot be used.

### **Other**

The NRWREMOV.EXE program used to uninstall NetRemote 6.0 must be run from within Windows.

## **Other Information**

### **DOS Accessories**

o the DOS versions of the NetRemote Phone Book, Options, and MAPDRV Setup utilities are included as a convenience to allow maintenance of the NRW Host Phone Book, Options, and Redirector Map files from DOS as well as from Windows via the Control Center.

### **NRW Host PORT MONITOR**

The port monitor lets you view in real time all data sent and received via a communications port. It is useful for checking modem configurations and testing modem control strings. To run the port monitor, make sure you exit Windows and go back to DOS. Change to the NRW directory and type PTMON and then enter. The port monitor will appear. To check for correct port and IRQ settings, type ATZ and then enter. If your modem settings are correct you should get an OK displayed to the screen. Use F10 to exit the port monitor mode. PTMON will use the comm port and baud rate settings found in the Host phone book, SESSION.RMP.

#### **- NRW PORT MONITOR CONTROL OPTIONS**

<F1>= Clear Screen	Clears the comm port screen
<F3>= Insert Line Feed Toggle	Inserts a blank line before the next line of text
<F7>= Local Echo Toggle	With local echo toggle on, characters will be locally.
echoed	
<F9>= Send Break	Sends a break command.
<CTRL><ALT>= Pause	Pauses scrolling of display.
<F10>=Quit	Exits port monitor mode.