



NCD ThinSTAR
Release Notes
Version 1.11

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January, 1999

Network Computing Devices, Inc.
350 North Bernardo Avenue
Mountain View, CA 94043

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Revision history of this document:

Part Number	Revision Date	Description
9300782 Rev. A	January, 1999	First release of NCD ThinSTAR Release Notes for Version 1.11.

Release Notes

Introduction

This document contains important late-breaking information about your NCD ThinSTAR software. Also described in detail are known issues you may encounter while using NCD ThinSTAR software. This release note applies to ThinSTAR 300 and ThinSTAR 200 terminals.

Product

NCD ThinSTAR 200, NCD ThinSTAR 300
NCD ThinSTAR Operating Software, version 1.11
January, 1999

The NCD ThinSTAR terminal is a thin client device that runs Microsoft Windows NT sessions. NCD ThinSTAR Operating Software is built into your terminal and includes everything you need to set up and use your NCD ThinSTAR Windows-based terminal.

NCD ThinSTAR terminals connect to Microsoft Windows NT Server 4.0, Terminal Server Edition (also called Terminal Server), using Microsoft's Remote Desktop Protocol (RDP) or Citrix' Independent Computing Architecture (ICA), or the NCD Dial-Up Client for dial-up connections.

Part Number

9300782 Rev. A

NCD Address

Network Computing Devices, Inc.
350 North Bernardo Avenue
Mountain View, California 94043

NCD Technical Support

Technical Support (from US and Canada): (800) 800-9599
Technical Support (from any location): (503) 641-2200

Release Contents

The NCD ThinSTAR terminals contain the built-in NCD ThinSTAR Operating Software version 1.11, which includes:

- NCD ThinSTAR Boot Software version 51
- NCD ThinSTAR Core Software version 1.11 build 15
- Microsoft Terminal Server Client version 1.11 build 15
- Microsoft Windows CE version 2.10
- Citrix ICA Client version 1.11 build 641
- NCD Windows CE device drivers
- Other NCD ThinSTAR supporting software

Your NCD ThinSTAR Operating Software package includes these Release Notes for ThinSTAR 300 and ThinSTAR 200 and one manual:

- NCD ThinSTAR System Administrator's Guide, a manual for system administrators responsible for configuring NCD ThinSTAR 300 and ThinSTAR 200 terminals.

Your NCD ThinSTAR hardware package includes two manuals:

- NCD ThinSTAR Installation Guide, a manual for system administrators installing terminal hardware on the network.
- NCD ThinSTAR User's Guide, a manual for end-users.

What's New

This section describes new features in the NCD ThinSTAR 200 and NCD ThinSTAR 300.

Combined Manuals

ThinSTAR 200 has been upgraded to the same Core Software as the ThinSTAR 300, adding considerable functionality. This leaves few differences between the two and the System Administrator's Guide along with the User's Guide have been modified to include both ThinSTAR 300 and ThinSTAR 200 information.

Multiple Model Support

The NCD ThinSTAR Operating Software package includes a CDROM that installs NCD ThinSTAR 300 and NCD ThinSTAR 200.

Password Security

On the Management tab of the Terminal Properties sheet, there is a Security button that allows you to set a password. Once you set a password, you cannot make changes to Terminal Properties unless the password is used each time.

Two Power Modes

The NCD ThinSTAR 300 terminal has a master power switch in the back and an on/off button in the front. Use the master power switch to completely shut-down the terminal for physical configuration purposes, such as adding memory. When the master power switch is on, you can turn off the terminal by pressing the on/off button in the front, this is referred to as “soft power down”.

All connections are terminated during soft power down. Pressing the button again restores full power and operation. If the Terminal Server is configured to disconnect sessions on broken connections (**Start > Programs > Administrative Tools (Common) > Terminal Server Connection Configuration > Connection > Edit > Advanced > “On a broken or timed out connection” option**) you can power on and reconnect to sessions that were active at soft power down.

Note The ThinSTAR200 does not have two power modes. There is a single front power button that functions in the same way as the master power switch on the ThinSTAR300 all power is terminated to the unit when pushed.

Using 106-key Japanese Keyboards

Most keyboards may be used with NCD ThinSTAR terminals by simply configuring the terminal for the appropriate keyboard. However, a temporary software limitation requires additional configuration of the Terminal Server to use Japanese keyboards.

To use 106-key Japanese keyboards with your NCD ThinSTAR terminals:

1. Configure each terminal for a Japanese keyboard:
Press **CTRL+ALT+END** to display the Connection Manager, press **F2** to display Terminal Properties. Click on the Input tab and select “**Japanese**” from the Keyboard Locale drop-down list. Click “**OK**” to save the change.
2. Configure Terminal Server for use with Japanese keyboards by modifying the Windows NT Registry. The following registry files are available from NCD Technical Support to do this easily:
kbd106.reg (modifies the registry)
kbd101.reg (restores the registry to the default value)
Logon as administrator. Double-click on the **kbd106.reg** file.

To modify the registry manually:

1. Select **Start > Run from the Windows NT taskbar**, type “**regedit**”, and click **OK** to start the Registry Editor.
2. Open the key
“**HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet
\Control\Terminal Server\KeyboardType Mapping\JPN**”
3. Double-click the value name “**00000000**” to modify it.
4. Change the value data to “**kbd106.dll**” and click **OK**.
Any users already logged on should log off and back on again for the change to take effect.

To restore the registry to the default Windows NT value, follow the steps above and set the value data to “**kbd101.dll**”.

Please note the following limitations:

- Some keyboard-specific applications may not work correctly with this configuration.
- All Japanese keyboards used with this configuration must be 106-key keyboards.

Additional Keyboard Support

The ThinSTAR 200 now supports these keyboards in the **Terminal Properties > Input** tab:

- Italian (standard)
- Japanese
- Spanish (Latin America)
- Swedish (Finland)

Dial-Up Connections

Dial-up connections are now possible on the ThinSTAR 200. Set **Terminal Properties > Management > Network Options > Dial-Up Connection**, the terminal reboots for the change to take effect, and use the **Connection Manager > Configure > Add** to create an NCD Dial-Up Client connection.

Known Limitations

This section describes known problems. Work-arounds are included where available.

Table 1 Limitations With Work-arounds

Problem	Description	Work-around
11598	Windows CE limitations in release 1.11 prevent more than 32MB total memory (DRAM) from being usable.	<p>The following ThinSTAR 300 DIMM configurations are recommended:</p> <ul style="list-style-type: none"> • 16MB, empty • empty, 16MB • 16MB, 16MB • 32MB, empty • empty, 32MB <p>The following ThinSTAR 200 SIMM configurations are recommended:</p> <ul style="list-style-type: none"> • empty • 8MB • 16MB • 32MB <p>Note: Terminal Properties sheets Inventory tab always reports actual physical memory installed.</p>
10253	Terminal Properties Input tab - Left and Right mouse settings here and on Windows NT side are confusing. If you set a left-handed mouse in both Terminal Properties on the terminal and in the mouse settings control panel on the host, the mouse works as a right-handed mouse.	Configure the handedness of the mouse ONLY on the host in the mouse settings control panel.
10358	If you change the state of a keyboard modifier, when a local client has focus, Terminal Server misses the state change.	Avoid the use of locking modifiers in local windows such as the ThinSTAR Connection Manager and Terminal Properties sheets. If a session is to be disconnected, ensure that all locking modifiers are OFF before doing so. Logging out and power-cycling the terminal resets the modifier states to match the server's default.

Table 1 Limitations With Work-arounds (Continued)

Problem	Description	Work-around
11463	“Allow upgrades over dial-up connections” option is not working properly if the ThinSTAR Management Service is on a host other than the RAS server.	In the Terminal Properties > Management > NCD ThinStar Management Service field, enter the IP Address of the server.
10568	If a connection fails, the help displayed is not appropriate to the failure mode.	Ignore the help and ensure that defined connections are valid.
10602	ThinSTAR does not attempt to negotiate a new DHCP lease if the old lease expires when the server is down.	Power cycle the unit, (causing it to obtain a new lease), then reconnect to the existing session.
10619	Left-handed mouse functionality does not work properly when attempting to “Reset to factory defaults”	Use the left mouse button when asked to restart the terminal after resetting to factory defaults.
10842	ThinSTAR device hangs after running OpenGL screen savers.	The system administrator should install blank or only the simplest screen savers on Terminal Server.
11025	Highlight functionality and Tab order is incorrect in some cases in Terminal Properties, making it difficult to navigate only with the keyboard.	Use the mouse and keyboard to navigate within Terminal Properties.
11094	The windows key on a windows keyboard does not work in ICA sessions.	Use the CTRL+ESC key combination.
11702	ICA Client does not support 1600x1200 monitor resolution.	Use the terminal with a resolution of 1280 x 1024 or below.
10806	ThinSTAR device unable to get DHCP address when moved to a different network and back. Applies only to NT 3.51 servers.	Delete the DHCP lease from the server. This is not a problem on NT 4.0 servers.
11769	After un-installing a previous version of ThinSTAR Management Service and installing the new ThinSTAR Management Service a “Read Only File Detected” error dialog is present.	Choose Yes to overwrite the file.

Table 1 Limitations With Work-arounds (Continued)

Problem	Description	Work-around
11726	If you create a user account without a password and then create a RDP connection Automatic Logon with no password it fails.	Click OK , then logon. Or, edit the connection and click OK to properly set a null password.
11479	Static DNS and WINS entries in TCP/IP settings > Name Servers do not work in the NCD dial-up client.	Configure the RAS or PPPD server to use DNS and/or WINS so it will do the name resolution for the dial-up client.
11565	100Mb setting on 10MB network freezes network activity.	Do not set Terminal Properties > Management > Network Options network speed to 100 Mps unless you are sure you are on a 100 Mb hub.
11955	ICA dial-in defaults to pulse dialing.	Place a "T" character prior to the phone number to force the modem to tone dial.
11887	Illegal operation in wficace.exe when using Outlook	Use any resolution other than 1024x768 or do not maximize the Outlook application.
11828	Client printers in MetaFrame cannot be set as default.	Manually select the printer from the printer selection menu.
11722	Client serial printing only supports 9600 baud.	Configure the serial printer for 9600 baud.
11735	Alt key gets stuck in a MS-DOS window.	Press a printable character to release the Alt key.
11328	Direct ICA Dial-In problems.	Disable " Client COM port mapping " in Administrative tools > Terminal Server Connection Configuration > ICA Dial-In > Client Settings .
11618	When you configure the port setting to 14400 or 110 baud the modem does not dial.	Pick a baud rate higher than 14400.
11974	The area code field in ICA Dial-in connection does not work. Only the phone number is dialed.	Enter country code, long distance, area code and phone number in the phone number field.

Table 2 Limitations Without Work-arounds

Problem	Description
10037	The CE DHCP client does not support the DHCP Relay Agent.
10124	Adjustments to mouse motion speed in the host system mouse settings control panel have no effect and should not be used.
11092	Bi-directional serial support does not work with ICA.
11185	Connection manager reorders connections after a connection has been edited.
10125	Color cursors/pointers appear black and white. The system administrator should install only the default cursors and pointers on Terminal Server.
11612	After you establish a dial-up connection which automatically starts a protocol session, the Connection Manager does not show the protocol session as active.