

SHARP NEC DISPLAY SOLUTIONS

NEC Display Firmware Update Tool

ReadMe Information for Windows

Version 1.2.0 - Build 240112 - January 12, 2024

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About NEC Display Firmware Update Tool

The *NEC Display Firmware Update Tool* is a utility to assist with updating the firmware in large-screen Sharp and NEC LCD displays and some models of desktop NEC LCD displays.

Main features:

- Automatically locates networked Sharp and NEC display models and determines if newer firmware is available.
- Details of the changes between the installed firmware and the latest version are listed.
- Automatically downloads and verifies the latest firmware. Firmware can be downloaded for off-line use if needed.
- For models that can be updated via LAN, the update process is almost fully automated and the progress and estimated remaining time is shown.
- Up to 20 displays can be updated via LAN simultaneously. Other displays are queued until an update slot becomes available.
- For models that are updated via USB, the correct firmware is copied to a USB drive and instructions on how to update are displayed.

This application always downloads the latest version of firmware for each display. If it is ever necessary to revert to an older version of firmware, it must be performed manually via a web browser.

Release Notes

Support has been added for the latest generation of Sharp large-screen displays.

Supported Operating Systems

This version of NEC Display Firmware Update Tool is supported on 32 and 64 bit versions of Microsoft Windows: **8 / 8.1 / 10 / 11**

Installing NEC Display Firmware Update Tool requires an account with administrator privileges.

Required LAN Ports

The following ports are required in order to access and update a display:

- TCP port 80
- TCP port 7142
- UDP port 5320

Please make sure that network firewalls, routers etc. do not block these ports.

Supported Display Monitors

NEC Display Firmware Update Tool supports most recent large-screen display models. Support for a detected display will be shown within the application.

Support and Troubleshooting

Please follow the instructions in the application.

The latest models of Sharp large-screen displays support two different communications protocols: N-Format (NEC) and S-Format (Sharp). The display must have N-Format selected.

For models that support enabling and disabling of individual Network Protocols, the following protocols must be enabled:

- PC Control
- Monitor Control via Network
- HTTP

Revision History

V1.0.0: December 21 2020

- First release

V1.1.0: March 23, 2022

- Improved display network search function.
- Display's MAC address can be shown in the UI.
- Various UI improvements.
- Support using a wild-card '*' to be used as IP address 4th octet in Targeted Network Search.
- Show the 'Total estimated time remaining' while firmware update is in progress.

V1.2.0: January 12, 2024

- Added support for the latest generation of Sharp displays.
- Various UI improvements.

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