

NEC DISPLAY SOLUTIONS

NEC PD Comms Tool

ReadMe Information for Mac OS

Version 1.3.10 - Build 160531 - May 31 2016

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About NEC PD Comms Tool

The *NEC PD Comms Tool* is a utility for communicating with, and configuring, NEC Public Displays that feature an RS232 and/or LAN interface.

Main features:

- When used together with the communications protocol specification document, available from the NEC Display Solutions website, it can be used to help understand the protocol encoding and decoding.
- Provides a quick and simple way to access many of the display controls remotely.
- It can be used as a test tool to quickly diagnose communications issues.
- Status information about the displays can be read, including the serial number, firmware version, internal temperatures, etc.
- IR Remote button commands can be sent via LAN or RS232, allowing access to the OSD (On Screen Display) features even if an IR receiver isn't connected.
- A simple but powerful scripting feature allows multiple controls to be configured on multiple displays with the click of a button. Multiple scripts can be loaded and run.

Release Notes

Direct TV Channel function

This function is only available on newer models with an integrated tuner (E322, E422, E462, and E552), and other models when the DTV unit is installed (for example: MultiSync P402, P462, V422, V462, V651, X461S, X551S, X551UN, and newer).

Scripting using RS232 COM ports

This version does not support specifying the RS232 COM port as part of a script file. If using RS232 on Mac OS with a USB to RS232 adapter, do not specify the port in the script. Select the port to use in the Communications Interface.

Supported Operating Systems

This version of NEC PD Comms Tool requires Mac OS X version 10.7 or higher.

If using RS232 to connect the Mac to the displays, a USB to RS232 adapter can be used. Be sure to install the drivers for the adapter as native support is not included in the Mac OS.

Supported Display Monitors

NEC PD Comms Tool supports the following large screen display models:

- NEC P Series (P401, P461, P521, etc.)
- NEC X Series (X461UN, X461HB, X431BT, etc.) including UHD models such as the X841UHD
- NEC S Series (S401, S461, S521, etc.)
- NEC M Series (M401, M461, etc.)
- NEC Exx2 series (E322, E422, E462, E552, etc.) and newer including the Exx5 series
- NEC Multeos M40 and M46 [RS232 connection only]
- NEC MultiSync LCD20 Series (LCD4020, LCD4620 etc.) [RS232 connection only]
- Newer models not listed may also be supported

Support and Troubleshooting

If you are having problems with NEC PD Comms Tool detecting the display monitor, please check the following items:

- Make sure the Monitor ID is set correctly on the display.
- Make sure the External Control option is set correctly on the display.
- Make sure each display has a unique Monitor ID if using RS232 daisy chaining.
- Make sure the IP address assigned to the display is unique, and can be reached from the current network subnet, if using LAN.
- Make sure a firewall software is not blocking network access to the application.

Revision History

V1.01.09: August 1 2011

- Initial Mac OS release

V1.2.00: March 28 2012

- LAN MAC address is now shown in Status and IP Scan.
- Command used for "Test" function changed from Get Model Name to GetParameter.
- Added definitions for new video inputs (HDMI 2-3, USB, etc.)
- Reloads all Tab settings when the Picture Mode is changed.
- "Save All Settings" button now highlighted when there are pending unsaved adjustments.
- Added keyboard shortcuts to for the IR Remote buttons (0-9, up, down, etc.)
- Removed hidden restriction on enabling the Expert mode button.

V1.3.00: February 24 2015

- Added an option for increasing the LAN timeout for use with high latency LAN/WAN connections.
- Settings are now saved between sessions.
- Fixed listing of Simple Commands for Temperature sensors 2 and 3.
- Redesigned layout.
- Support for new commands and functions.
- OpCode Control Names list is now available within the software rather than in the User's Guide.
- The main list of OpCode Control Names can be optionally grouped by category or listed alphabetically.

V1.3.10: May 31 2016

- Added new OpCode definitions.
- Listed OpCodes and values can now be filtered to only show those supported on the current display.
- Added Six Axis Color Trim controls to the Video & Color panel.
- Added a panel for setting the Monitor Group ID.
- Added a panel for advanced Tile Matrix related settings.
- Improved visual feedback of Tile Matrix settings controls.
- Added new IR Remote buttons used on X series UHD models.
- The Communications Log now shows a breakdown of the structure of an entire command and reply.

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