

External Control Document

NEC MultiSync E324, E424, E464, E554

Notes

This document defines the communications method for control of the NEC large format displays
NEC MultiSync E324 / E424 / E464 / E554 / E654

Connection Information

Cable: RS-232C cables should be cross (reversed) cable or null modem cable.
The connection to Monitor—DSUB 9-pin located on the left side of the display.

Communication Conditions

- RS-232C communication settings on the PC match the display's communication settings
- Communication code is ASCII
- Baud rate 9.600 bps
- Data length 8 bits
- Parity bit none
- Stop bit 1bit

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The logo for NEC, consisting of the letters "NEC" in a bold, blue, sans-serif font.

Function Code Data

POWER

ON 01 30 41 30 41 30 43 02 43 32 30 33 44 36 30 30 30 31 03 73 0D
OFF 01 30 41 30 41 30 43 02 43 32 30 33 44 36 30 30 30 34 03 76 0D

INPUT SOURCE

VGA 01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 31 03 73 0D
HDMI1 01 30 41 30 45 30 41 02 30 30 36 30 30 30 31 31 03 72 0D
HDMI2 01 30 41 30 45 30 41 02 30 30 36 30 30 30 31 32 03 71 0D
HDMI3 01 30 41 30 45 30 41 02 30 30 36 30 30 30 31 33 03 70 0D
Video (Composite) 01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 35 03 77 0D
Video (Component) 01 30 41 30 45 30 41 02 30 30 36 30 30 30 30 43 03 01 0D
USB 01 30 41 30 45 30 41 02 30 30 36 30 30 30 31 34 03 77 0D

AUDIO SOURCE

Main 01 30 41 30 45 30 41 02 30 32 32 43 30 30 30 31 03 06 0D
Sub 01 30 41 30 45 30 41 02 30 32 32 43 30 30 30 32 03 05 0D
Main + Sub 01 30 41 30 45 30 41 02 30 32 32 43 30 30 30 30 03 07 0D
Stereo 01 30 41 30 45 30 41 02 30 32 32 43 30 30 30 34 03 03 0D
SAP 01 30 41 30 45 30 41 02 30 32 32 43 30 30 30 35 03 02 0D
Monotone 01 30 41 30 45 30 41 02 30 32 32 43 30 30 30 36 03 01 0D

AUDIO MUTE

ON 01 30 41 30 45 30 41 02 30 30 38 44 30 30 30 31 03 09 0D
OFF 01 30 41 30 45 30 41 02 30 30 38 44 30 30 30 32 03 0A 0D

KEY LOCK

All Buttons 01 30 41 30 45 30 41 02 30 30 46 42 30 30 30 32 03 72 0D
Control Buttons 01 30 41 30 45 30 41 02 30 30 46 42 30 30 30 31 03 71 0D
Unlock 01 30 41 30 45 30 41 02 30 30 46 42 30 30 30 30 03 70 0D

SPEAKER VOLUME

Up 01 30 41 30 45 30 41 02 31 30 41 44 30 30 30 31 03 71 0D
Down 01 30 41 30 45 30 41 02 31 30 41 44 30 30 30 32 03 72 0D

INFO OSD

On 01 30 41 30 45 30 41 02 30 32 45 41 30 30 30 32 03 70 0D
Off 01 30 41 30 45 30 41 02 30 32 45 41 30 30 30 31 03 73 0D

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NEC

ASPECT RATIO

4:3	01 30 41 30 45 30 41 02 30 32 37 30 30 30 30 31 03 70 0D
Auto	01 30 41 30 45 30 41 02 30 32 37 30 30 30 30 32 03 73 0D
16:9	01 30 41 30 45 30 41 02 30 32 37 30 30 30 30 33 03 72 0D
Zoom	01 30 41 30 45 30 41 02 30 32 37 30 30 30 30 34 03 75 0D
Cinema	01 30 41 30 45 30 41 02 30 32 37 30 30 30 30 42 03 03 0D

PICTURE MODE

Standard	01 30 41 30 45 30 41 02 30 32 31 41 30 30 30 34 03 02 0D
Theater	01 30 41 30 45 30 41 02 30 32 31 41 30 30 30 35 03 03 0D
Dynamic	01 30 41 30 45 30 41 02 30 32 31 41 30 30 30 44 03 72 0D
Energy Saving	01 30 41 30 45 30 41 02 30 32 31 41 30 30 30 45 03 73 0D
Custom	01 30 41 30 45 30 41 02 30 32 31 41 30 30 30 46 03 70 0D
Game	01 30 41 30 45 30 41 02 30 32 31 41 30 30 31 30 03 07 0D

SOUND MODE

Standard	01 30 41 30 45 30 41 02 31 30 42 32 30 30 30 31 03 04 0D
Movie	01 30 41 30 45 30 41 02 31 30 42 32 30 30 30 32 03 07 0D
Music	01 30 41 30 45 30 41 02 31 30 42 32 30 30 30 33 03 06 0D
News	01 30 41 30 45 30 41 02 31 30 42 32 30 30 30 34 03 01 0D
Custom	01 30 41 30 45 30 41 02 31 30 42 32 30 30 30 35 03 00 0D
Equalizer	01 30 41 30 45 30 41 02 31 30 42 32 30 30 30 36 03 03 0D