

PC Hardware Requirements:

DB9-pin (m) Serial Com Port - usually on most PC's as COM 1

OR if no com port available then you will need to purchase or order a USB to Serial Adapter that is supported and compatible with our signs and software (see below).

- DB9-pin (m) Serial to USB Converter
 - only a few brands on the market are compatible for use with our signs and software.
 - we suggest a Belkin USB to Serial Adapter (approx.\$60) ,which can be found usually at Staples / Business Depot, OR NexTech (approx.\$40), which is only available at The Source.
 - We also have our in house compatible brand (approx.40\$) that can be ordered.

Software Requirements:

Windows 98,2000, XP, Vista/Windows7-but not to be installed in program files.

- CD-Rom
- Ethernet Adapter for TCP/IP connections with Internet Access
- Serial Communications Port(s) for Direct access, Modem access, or Converter access to LED Sign.
- P233 CPU , 50 MB. RAM
- Full Control Permissions of Logged On User to where the Software / Programs Installed Directory (i.e. Logged on User MUST be a Power User Or Administrator).

I.T. Dept. Requirements:

- Specifically User Permissions to the software require they be a power user or administrator.
- Our software needs to allow the user to change settings in our software-read & write, create tmp directory for creating/editing/simulating.
- Most commonly if the user is only a user then when they open the program , it asks if past settings are ok and save, but the saves don't hold because they do not have write permissions
- If using a UDS to communicate to the signs and software is on a shared network drive, then PING from our software must be disabled and if attached to an RF modem then the Com response setting should be changed in the settings/line.cfg file.

Communications' Hardware Requirements:

If Using:

- XStream PKG-R (RF Modem) – Wireless Radio Frequency connections from your pc via a serial Com Port to the sign. Line of sight through a window directly pointed at the sign SHOULD NOT EXCEED 100 feet in cable length, but if needed, an extension can be made to reach an exterior or closer area, along with more powerful antennas. This would have to be tested on site to determine how reliable communications would be.
- Numedia Intelligent Converter – for communications that have been WIRED directly from the sign to the PC (less than 50 feet RS232 does not need a converter, but longer lengths do require this, up to 1200m.)
- UDS (Universal Device Server) – for TCP/IP connections from our software on your pc to the sign.(Wired & Wireless available)
- Dial-Up POTS Modem – for Dial-Up Modem access to and from a POTS phone line.(POTS=plain old telephone service)
- Cell Modem – for Dial-Up access to the sign that has a cell modem Via a POTS phone line, Or TCP/IP access Via your internet connection to a Subscribed & Programmed STATIC IP Address to the cell modem.