

Serial Port Configuration

All BrightSign players offer serial I/O for diagnostic and interactive capabilities. Many models have a dedicated serial port (either DE9 or 3.5mm), and USB ports can be used for serial communication as well. This page outlines how to configure the player and host device for serial communication.

Note

While the DE9 port supports RS-232 communication, the 3.5mm serial port does not interoperate with some RS-232 devices because it uses **0V/+5V signaling**. It can receive from any RS-232 device, but transmission may not work depending on the electrical characteristics of the device.

Signaling Settings

The following are the default serial settings for a BrightSign player. They can be changed in [BrightAuthor](#) or [BrightScript](#).

- **Baud rate:** 115200
- **Data:** 8 bit
- **Parity:** none
- **Stop:** 1 bit
- **Flow control:** Hardware flow control is available on the 4Kx42, XDx32, and HDx22 (software flow control is not supported on any model).

Port Enumeration

Most standard serial devices connected to the DE9 or 3.5mm port will enumerate on port 0 of the player (on the HO523 player, they will enumerate on port 1).

Serial devices connected to a USB port will enumerate on port 2 of the player.