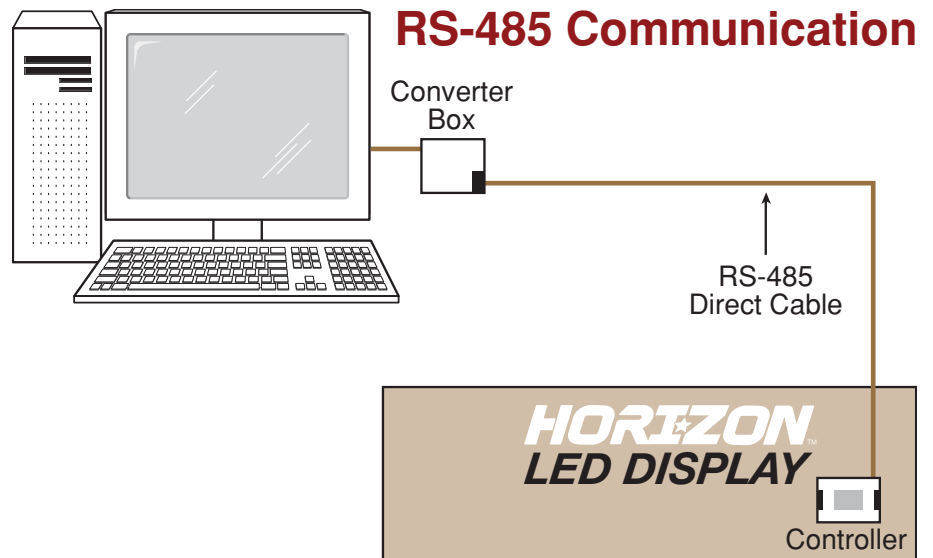


# Communicating to Sign

## Horizon™ Outdoor LED Signs

### RS 485

Hard-wired communication to low-bandwidth displays or display networks. Maximum 4000 feet of cable can be used to control up to 32 displays.



## DIRECT HARDWIRE

In a direct hardwire connection, the sign is connected to a PC running Spectrum's messaging software through a cable. The cable is a four conductor shielded cable that can be run up to 4,000 feet from the PC to the sign. The connection is made from the USB port of the PC to the RS 485 converter box (supplied by Spectrum), from the converter box the cable is run to the sign. At the sign, the cable is terminated at the terminal block.

### Advantages:

1. It is the most reliable connection of all methods (along with fiber) it has the least possibility of failure.
2. It has a long connecton distance.

### Considerations:

1. It can be a costly installation method. The cable needs to be hardwired from the PC to the sign. This can mean going through walls, trenching through driveways, parking lots, etc.

**Contact Spectrum for help in selecting the best networking solution for your Horizon Outdoor LED Signs.**