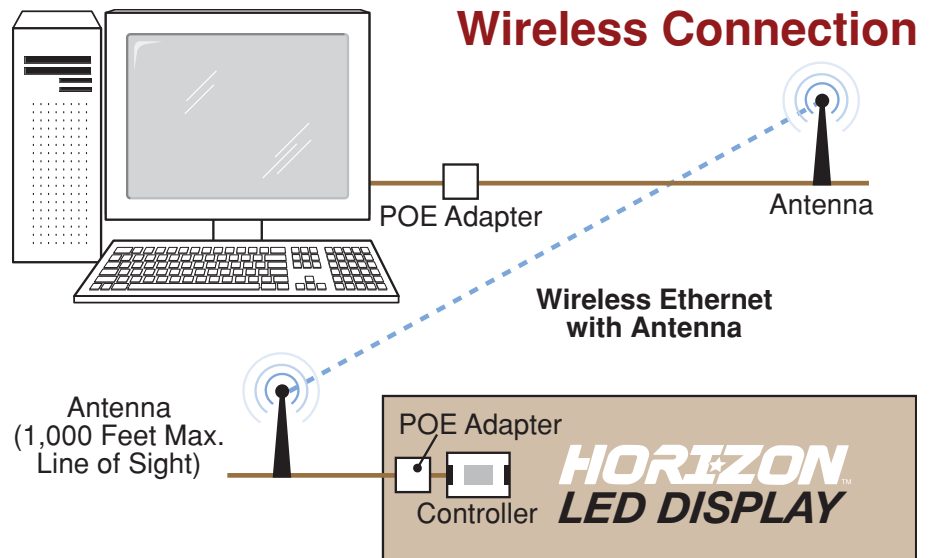


# Communicating to Sign

## Horizon™ Outdoor LED Signs

### Wireless Ethernet

Ethernet communications to displays on a LAN or WAN network. Instead of using cables, it sends ethernet data over wireless bridge devices. Requires clear line of sight. Maximum distance is 1,000 feet.



## TCP/IP NETWORK AND WIRELESS ETHERNET CONNECTION

In this connection we combine the use of the network and the use of wireless remote control to communicate to the signs. The software resides on a PC and communicates through the network to a Radio Control transceiver. At the sign another Radio Control transceiver receives the transmission, which gets passed along to the Horizon Message Center.

### Advantages:

1. One of the fastest forms of communication.
2. This takes advantage of the network that is already in place and extends the "network" by being able to transmit via wireless ethernet bridge.
3. The installation cost is minimal because the network is already in place and the wireless Radio Control does not require trenching, requires only minimal cabling, or the telephone company to install a phone line..

### Considerations:

1. This connection type is a bridge system and does not allow open access to your network.
2. Networks are notorious for going down intermittently and Radio Control sometimes can be intermittent. This typically happens during bad weather when the sign is needed the most.
3. Due to interference of other wireless signals, reception to the sign can be an issue and at times the sign may lose reception.

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