

The IP-Based Distributed Entertainment Company.

DIGILINX™ Technical Bulletin

Pre-Wire for *DigiLinX* IP-Based Audio

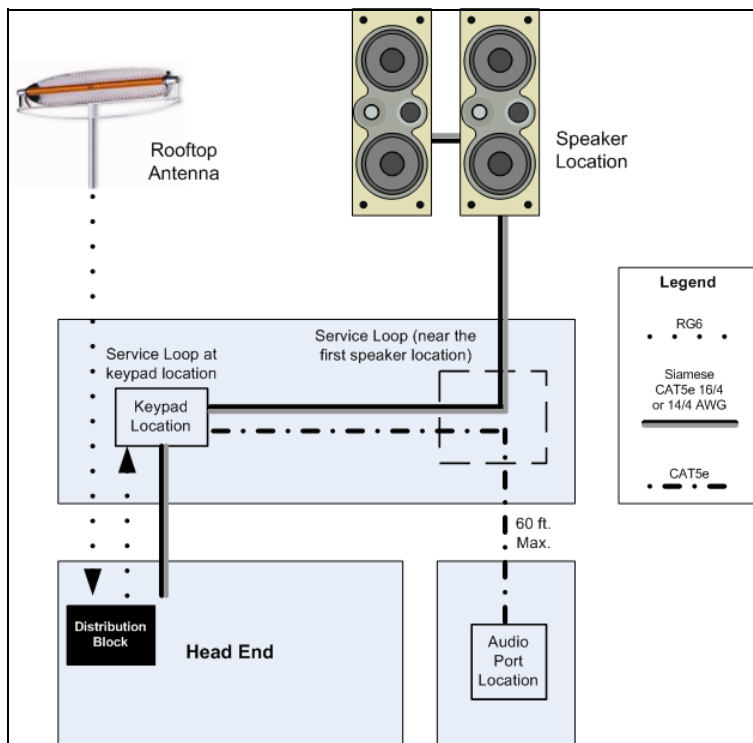
Products Included:

DigiLinX

This technical bulletin covers how to wire one room of *DigiLinX* IP-Based audio. Figure 1 shows how to pre-wire a room for *DigiLinX* audio.

NOTE: These pre-wiring instructions are also used by *Musica*, so you are effectively pre-wiring for either system when you follow these directions.

IMPORTANT! This diagram is a general overview of audio pre-wiring and is subject to change depending on the design of the system. This pre-wire will allow you to grow with technology.



NOTE: *NetStreams* strongly recommends pre-wiring with Belden® Home Choice® 7949A or other CEA2030-compliant CAT5e +16/4 cable.

Figure 1 Pre-Wiring Diagram for *DigiLinX* IP-Based Audio



Requirements

The following cable is required to pre-wire for *DigiLinX*:

- Siamese CAT5e 16/4 (or CAT5e 14/4) AWG cable
- RG6 cable
- CAT5e cable.

Procedures

To pre-wire a room, complete the following steps:

1. From the head end, run a siamese CAT5e 16/4 (or CAT5e 14/4) cable to the keypad location.
2. Leave a service loop at this location and continue (do not cut the cable) to the first speaker location in the room.
3. Leave a service loop at this location and continue (do not cut the cable) to the second speaker location.
4. Cut the cable.
5. From the keypad location, run a single CAT5e cable to the first speaker location.
6. Leave a service loop and continue (do not cut the cable) using a different route to the wall location chosen for the audio port installation.
7. Cut the cable.
8. From the head end, run an RG6 cable to the keypad location.
9. From the head end, run an RG6 cable to a location for an antenna to be mounted. This will be used for antenna distribution.
10. Repeat steps 1. through 8. for each room you're pre-wiring.