Application Note: 030016

<u>NetStreams</u>™

DIGILINX[™] Application Note

Pre-Wire for DigiLinX

This application note 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.

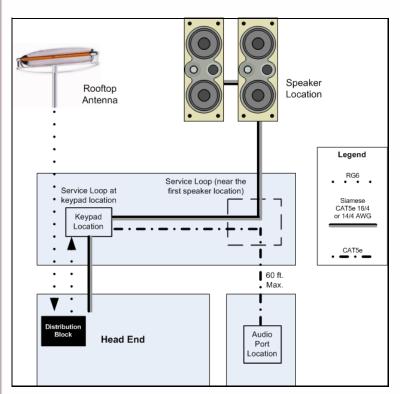


Figure 1 Pre-Wiring Diagram for *DigiLinX*



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Products Included: DigiLinX

Requirements

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

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