

DIGILINX™ Technical Bulletin

Pre-Wiring for IP-Based Audio and Video

This technical bulletin covers how to wire one room of *DigiLinX* IP-Based audio and video.

Pre-Wiring for *DigiLinX* Audio

Figure 1 on the following page 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 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.

The
Ultimate
IP
A/V
Experience.

Products Included:

DigiLinX



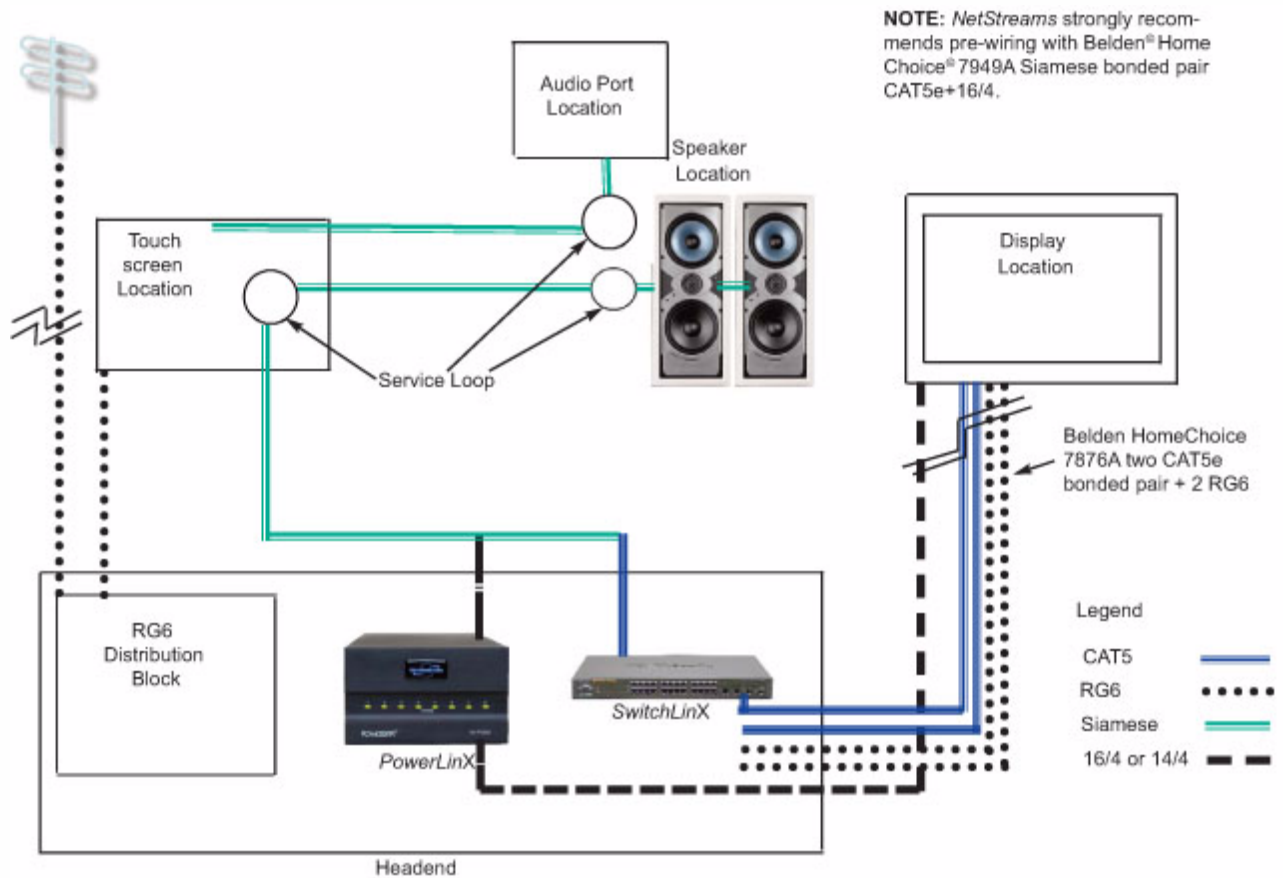


Figure 1 Pre-Wiring Diagram for *DigiLinX* IP-Based Audio

Requirements

The following cables are required to pre-wire for *DigiLinX* audio:

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

Procedures

The following pre-wire is designed to allow *DigiLinX* or *Musica* to later be installed. To pre-wire a room, complete the following steps:

1. From the head end, run a siamese CAT5e 16/4 (or CAT 5e 14/4) cable to the touch screen 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 touch screen location, run a siamese CAT5 16/4 (or CAT5 14/4) 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 touch screen 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. From the head end, run a 16/4 or 14/4 cable to the display location.
11. From the head end, run Belden HomeChoice 7876A two CAT5e bonded pair + 2RG6 to the display location.
12. Repeat steps 1 through 8 for each room you are pre-wiring.

Pre-Wiring for *DigiLinX* Video

The *NetStreams DigiLinX* system is the only truly IP-Based Multi-Room Audio, Video, and Control system on the market today. It's easy to install, use, and expand. *NetStreams* is working on an IP-Based Distributed Video Solution that will integrate easily with our audio products. This section of the technical bulletin provides information on how to pre-wire for our upcoming IP-Based video release.

Requirements

- one structured wire consisting of two twisted pair (CAT5e or better) cables and two coaxial cables (RG6 or better)
- one four-port flush mounted wall plate consisting of two RJ45 connectors and two F connectors
- one 16/4 DC power cable.

NOTE: You can also use a *NetStreams* local power supply such as a PL228 or PL250 to power IP video at the display location.

Procedures

Figure 2 on the following page shows how to pre-wire for IP-Based video.

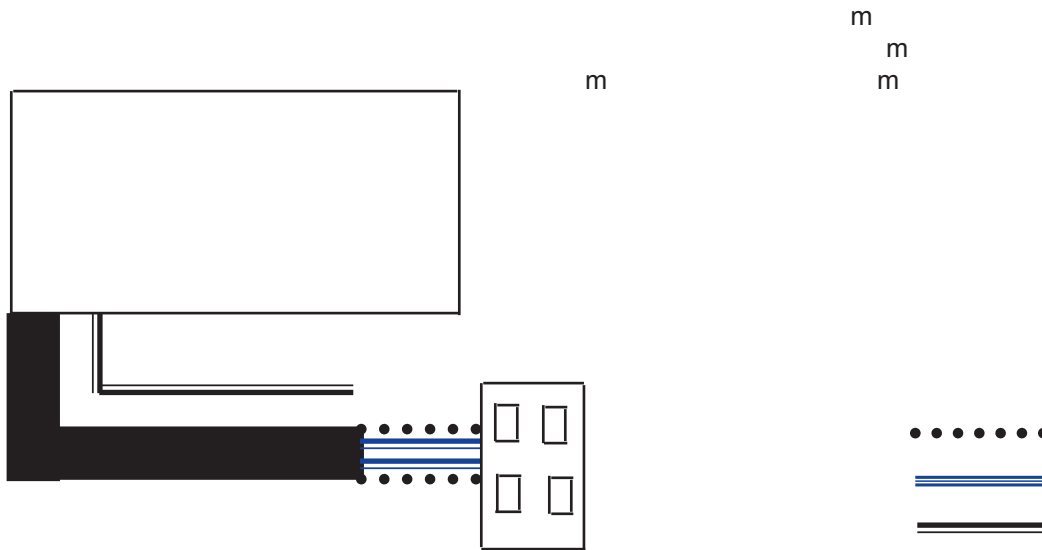


Figure 2 Pre-Wiring for IP-Based Video

To pre-wire for IP-Based video, complete the following steps:

1. Install a four-port flush mounted wall plate (with CAT5e and RG6 connections) at the video location.

NOTE: If you are installing a home theater system, also install a four-port flush mounted wall plate (with CAT5e and RG6 connections) near the theater equipment.

2. From the head end, run the structured cable to the four-port flush mounted wall plate.
3. From the head end, run a 16/4 cable for power. This is the recommended configuration.

NOTE: You can also use a *NetStreams* local power supply such as a PL228 or PL250 to power IP video at the display location.

4. Terminate using 568A terminations on the CAT5e cables.
5. Terminate F type connections on the RG6 cables.

NOTE: None of the runs should exceed 328 feet maximum cable length.
