

DIGILINX™ Application Note

Connecting Home Theater Audio to a *NetStreams DigiLinX* System

The
IP-Based
Distributed
Entertainment
Company.

Products Included:
DigiLinX

Introduction

This application note explains how to integrate home theater audio with a *NetStreams DigiLinX* system.

Requirements

- speaker audio level switches as required,
- A/V receiver,
- sources,
- speakers,
- CAT5e cable with RJ45 connectors,
- RCA cables,
- speaker wire with four-pin Phoenix connectors, and
- *NetStreams* AP300 Audio Port.

How it Works

When voltage is sensed from the speaker wires of the output on the receiver, a relay is switched over. This routes output to the speakers.

Configuring Audio for Home Theater

Figure 1 shows you how to wire a home for surround sound audio.



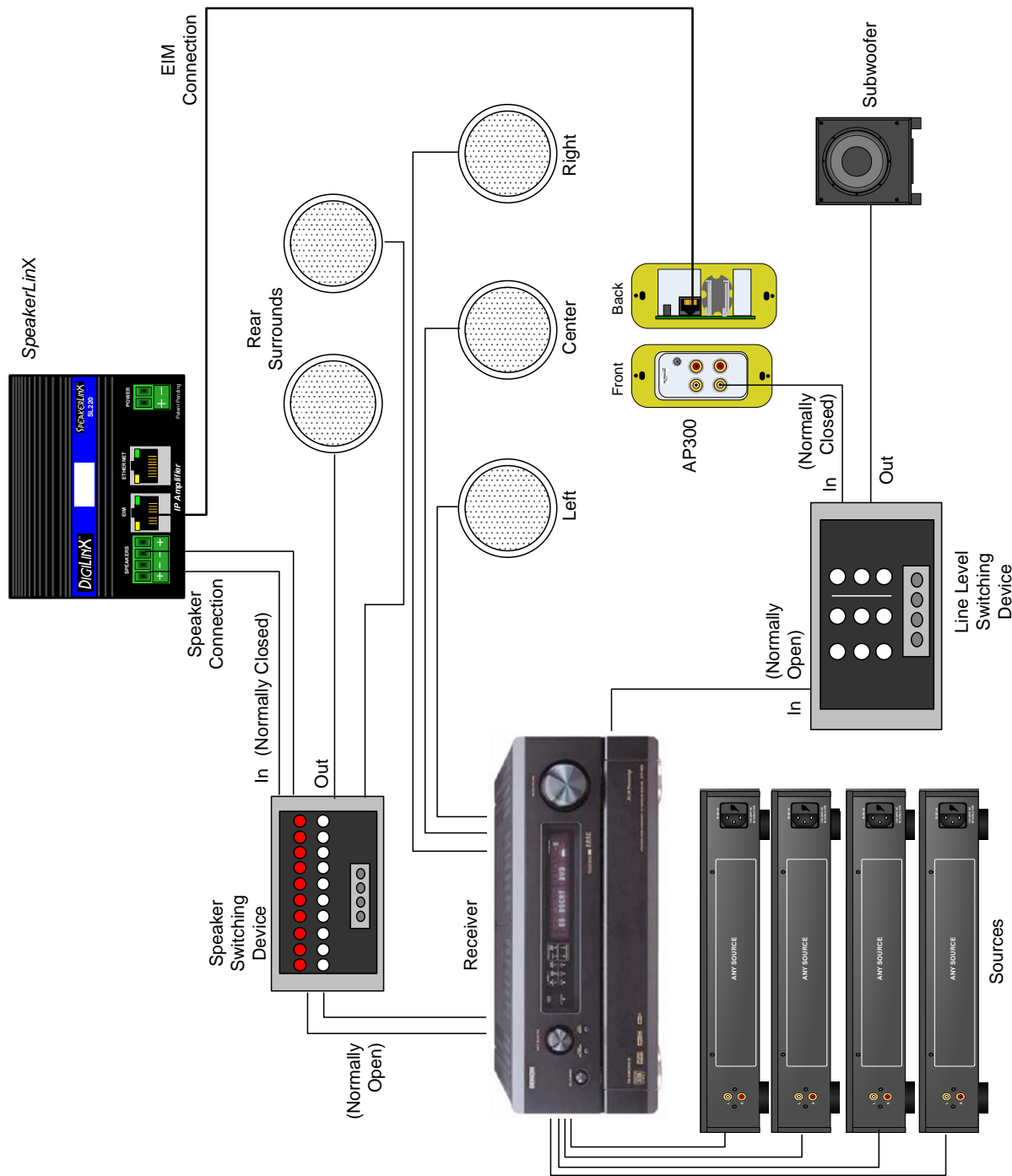


Figure 1 Home theater configuration

To configure for home theater, complete the following steps:

1. Connect each of the sources to the theater receiver as needed (four are shown in Figure 1).

2. Using an RCA cable, connect the receiver sub out to the line level switching device (in normally open mode).
3. Using an RCA cable, connect the line level switching device (in normally closed mode) to the AP300 (out left and right).
4. Using a CAT5e cable, connect the EIM port of the AP300 to the *SpeakerLinX*
5. Using an RCA cable, connect the line level switching device to the sub woofer.
6. Using speaker wire, connect the receiver to each of three speakers (left, center, and right).
7. Using speaker wire, connect the receiver to the speaker switching device (in normally open mode).
8. Using speaker wire, connect the speaker switching device to the two rear surround sound speakers (out).
9. Using speaker wire, connect the speaker switching device to the speaker connection on the *SpeakerLinX* (in normally closed mode).