

# Multi-Source Audio distribution with IR remote control

## Description:

The enhanced IR built-in Multi-Source Audio Distribution Module provides four independent sources to four or eight locations. It simply uses CAT 5 or CAT 5e cable as the transmission media. The Switchable Stereo Volume Control allows users to select one of the four audio sources independently. Also the IR remote control system brings more convenience at each location. In addition, the advanced switchable volume control provides "Line In" (3.5mm socket) to support local audio source. Users can add an extra CD player or MP3 that contributes more flexibility to this audio system. Note - the simple version volume control doesn't support "Line In" function. The audio system with IR control provides a total solution for the home entertainment.

## Installation: (see Fig. 1)

To install the module, simply insert tabs to the cap located on the rail of the enclosure. Press the fastener to lock the module at the desired position.

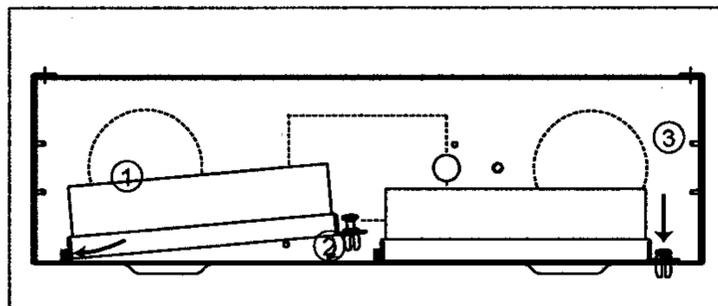


Fig.1

## Operation: (see Fig. 2)

### Setup the Audio Source

Connect each audio source such as audio receiver, MP3 or CD player to an ISK-35S (3.5mm stereo phone jack). The ISK-35S is an adapter installed on the wall outlet. Strip off wire ends and insert into the appropriate terminal blocks for both ISK-35S and audio module. Note - "R" = Right channel, "L" = Left channel, and "G" = Ground. The 3.5mm stereo plug is used to connect the audio source to the wall outlet.

**ISK-35S Wire instruction: S = R = Orange/White, '+' = L = Brown, '-' = G = Brown/White.**

### Connect the IR Emitter

There is a 2-port terminal block labeled "IR Emitter" located at the right upper corner of the audio module for IR remote control. The ISK-35 is an adapter used to connect IR emitter to control remote audio devices. Strip off wire ends and insert into the appropriate terminal blocks for both ISK-35 and IR terminal block.

**ISK-35 Wire instruction: '+' = Green/White, '-' = Green.**

### Connect the Volume Control & IR Receiver

This audio module supports up to four or eight stereo volume control units. To connect the volume control and audio module, punch down CAT 5 or CAT 5e cable to a 110 IDC connector at audio module and insert the other end to the terminal block at volume control.

**Wire instruction: IR = Brown, C2 = Brown/White, C1 = Green, R = Green/White, L = Orange, G = Orange/White, V- = Blue, V+ = Blue/White.**

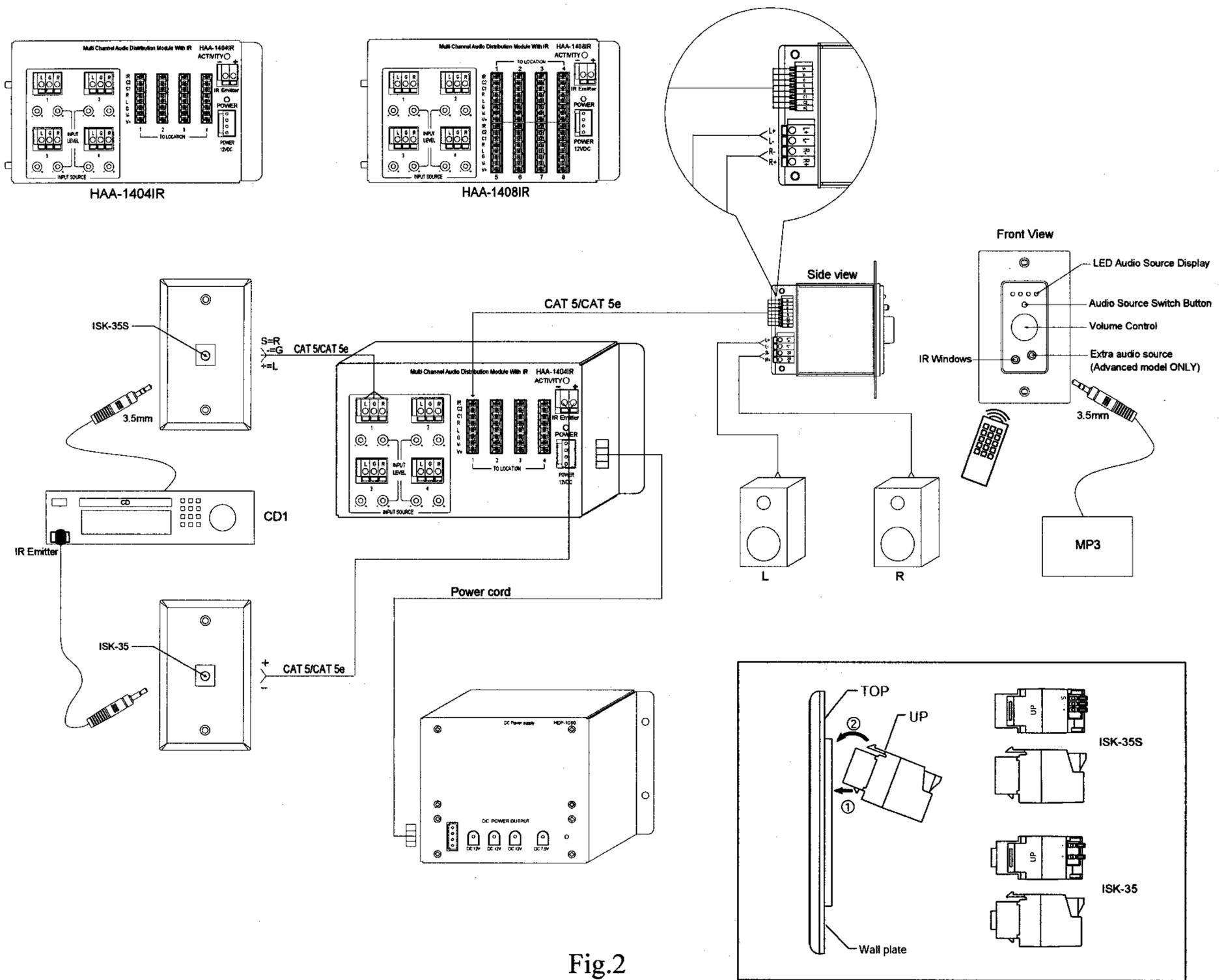


Fig.2

### Connect the Speakers

There is a 4-pin terminal block located at the back of the volume control. Connect the "8 ohm speaker" to this terminal block according to the label "L+", L-", "R-" and "R+".

**Wire instruction: follow the wire label to connect speakers.**

### Audio Source Switching

This volume control allows users to select one of the four audio sources at each location independently. Simply push down the switch button and the LED will display the selected audio source.

### Extra Line-in Audio Source (ONLY for advanced version volume control)

In addition, there is a 3.5mm stereo phone jack on the volume control panel that allows users to add an extra audio source such as MP3 or other music from computer sound card. This brings more flexibility for local users.

**Note - Be sure to turn off volume before you plug in any extra audio source.**

### Gain/Level Adjustment

Each audio source has gain/level adjustment used for tuning the power amplified level. Different audio source has different output level, if your audio is a low level output, then you can use gain/level adjustment to increase the level and get appropriate volume. If the audio system has high level output, be sure to lower the Gain level adjustment to avoid possible distortion.

### DC Power Module

The DC power module contains a 12VDC, 4-pin 5.08mm socket for over 3A current devices and is designed specifically for this audio distribution system. It provides full-regulated, high quality and low EMC DC power for any active modules. A power cord is included and simply connects both ends to proper DC sockets.