**IR Expansion Method: (see Fig. 5)**
The Expansion Output port is used to control additional audio or video devices or allows more rooms to control audio or video devices when applications go beyond the port number. Simply connect the terminal "S" and "-" from Expansion Output to another IR Distribution Module labeled "From IR Receiver" (Leave "+" terminal blank) to have different expansion schemes.

Multiple rooms to control less devices:
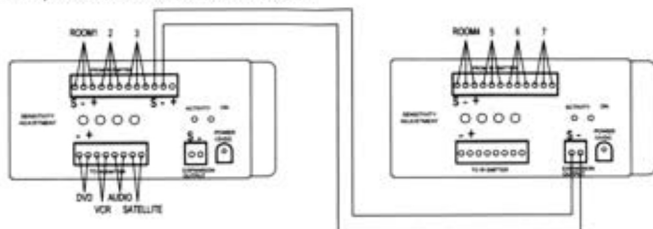
Less rooms to control multiple devices:
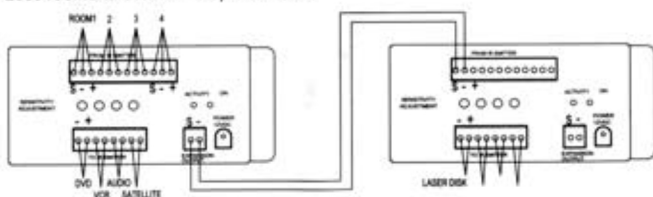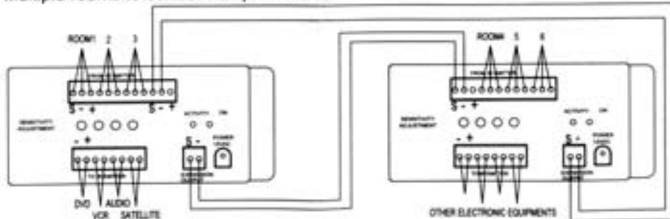
Multiple rooms to control multiple devices:

Fig.5

N60420SK554201

IR Distribution Module

Description:
The IR (Infrared) distribution module enables family members to remotely control any electronic equipment such as audio receiver, DVD, VCR, or Satellite receiver from any room in the house. Its special connector allows for easy fingertip insertion of IR distribution cable (CAT5/CAT5e Solid Cable). The module can support up to four or eight IR control sets or applications that go beyond this number can make use of IR expansion output port for extension.

Installation: (see Fig. 1)
1. Place the module horizontally.
2. Push the module so the hook and tabs will fall into the rail slots of the enclosure.
3. Slide the module LEFT and the spring fastener will automatically lock the module at the desired position.

Operation: (see Fig. 2)

Fig.1

Setup the IR Distribution Module
There are two rows of terminal blocks on this module. The top ones labeled "From IR Receiver" are used to connect IR Receivers and the bottom ones labeled "To IR Emitter" are used to connect IR Emitters.

<Connect the IR Receiver> each set of IR Receiver blocks has three terminals which are "S", "-" and "+". Strip wire ends about 1/8" and insert into this terminal block according to the following wire instruction for IR Receiver connection: "S" = White Orange, "+" = White Brown, "-" = Brown. **Note - Please keep wires "S", "-" and "+" between IR Receiver (or IR Receiver Adapter) and IR Receiver block on this distribution module be identical.**

<Connect the IR Emitter> each set of IR Emitter blocks has two terminals which are "-" and "+". Strip wire ends about 1/8" and insert into this terminal block according to the following wire instruction for IR Emitter connection: "+" = White Green, "-" = Green. **Note - Please keep wires "+" and "-" between IR Emitter Adapter and IR Emitter block on this distribution module be identical.**

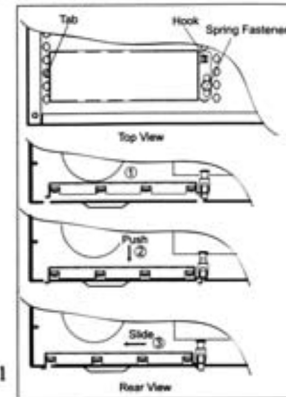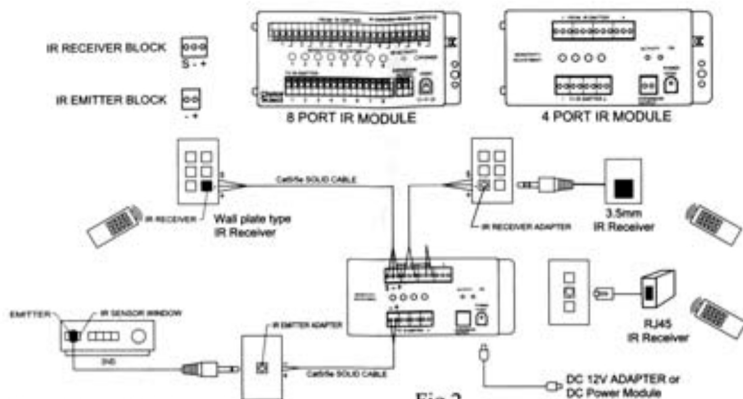Apply a 12VDC power adapter to this IR Distribution Module and your IR system is ready to go.

Fig.2

IR Receiver: (see Fig. 3)

The IR Receiver receives IR signals from handheld remote control and transmits to any IR emitter to control electronic devices. The transmission media is CAT 5 or CAT 5e cable. Point the handheld remote control to the IR Receiver such that the IR receiver has a straight view to receive the signal. The distance between the IR Receiver and the remote control should not exceed 5 meters.

Warning - it is recommended that users apply ONLY ONE IR Receiver per room.

<Wall-plate Type>

1. Snap the wall plate type IR Receiver in the wall plate. Note - the wall plate and the IR Receiver module are directional. Do not place upside down.
2. There is a wire terminal block labeled "S", "-", and "+" at the receiver module. Strip wire ends about 1/8" and insert into this terminal block according to the following wire instruction for IR Receiver connection.
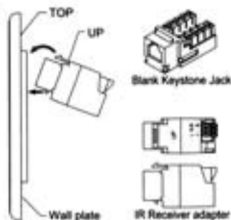

Fig.3

<3.5mm Stand-alone Type>

1. Snap the IR Receiver Adapter in the wall plate. Note - the wall plate and the IR Receiver Adapter are directional. Do not place upside down.
2. The IR Receiver Adapter has a wire terminal block labeled "S", "-", and "+. Strip wire ends about 1/8" and insert into this terminal block according to the following wire instruction for IR Receiver Adapter connection.
3. Insert the 3.5mm Stand-alone type IR Receiver to the IR Receiver Adapter.

IR Receiver (Adapter) wire instruction: "S" = White Orange, "+" = White Brown, "-" = Brown.

<RJ-45 Stand-alone Type>

1. Snap the keystone jack in the wall plate. Note - the wall plate and the keystone jack are directional. Do not place upside down.
2. Please follow the TIA 568A color code for keystone wire instruction. Use a punch down tool to push wire ends between contact blades.
3. Insert the RJ-45 Stand-alone type IR Receiver to the keystone jack.

IR Emitter: (see Fig. 4)

<Single Port IR Emitter>

1. Snap the IR Emitter Adapter in the wall plate. Note - the wall plate and the IR Emitter Adapter are directional. Do not place upside down.
2. The IR Emitter Adapter has a wire terminal block labeled "-", and "+". Strip wire ends about 1/8" and insert into this terminal block according to the following wire instruction for IR Emitter Adapter connection.
   IR Emitter (Adapter) wire instruction: "+" = White Green, "-" = Green.
3. Insert the 3.5mm IR Emitter to the IR Emitter Adapter.
4. Apply the twin adhesive and attach it to the center of IR sensor window. The IR Emitter contains an IR LED which receives Infrared signals from IR Receiver to control devices. Note - Do not cover the IR LED.

<Dual Port IR Emitter>

The setup procedure for Dual Port IR Emitter is the same as Single Port IR Emitter. It allows controlling two electronic devices.
Note - If only one emitter is used, please hide but DO NOT cut the other one to save for future additional device.

<Dual Port IR Emitter with RJ45 plug>

1. Snap the keystone jack in the wall plate.
   Note - the wall plate and the keystone jack are directional. Do not place upside down.
2. Please follow the TIA 568A color code for keystone wire instruction. Use a punch down tool to push wire ends between contact blades.
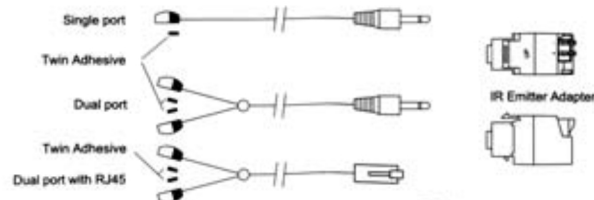3. Insert the IR Emitter to the keystone jack.

Fig.4