

# Hills Home Hub<sup>®</sup>

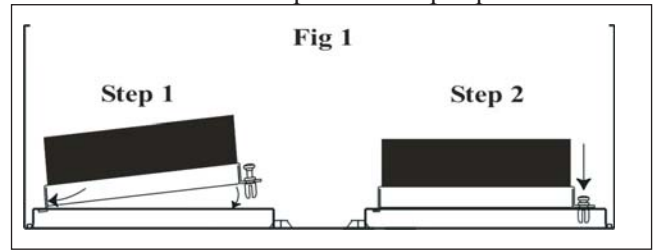
## HIR-808 IR DISTRIBUTION MODULE

**Description:**

The Hills Home Hub<sup>®</sup> IR (Infrared) distribution module enables family members to remotely control any electronic equipment such as an audio receiver, DVD, VCR, or Cable and Satellite receivers from any room in the house. The module can support up to eight IR control sets or applications, to go beyond this number you can make use of the IR expansion output port for further extension.

**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.



**Operation: (see Fig. 2)**

There are two rows of terminal blocks on this module. The top row has the IR Receiver blocks labelled "From Rooms" they are used to connect IR Receivers. The bottom row features the IR Emitter blocks labelled "To Rooms", they are used to connect IR Emitters.

**Connecting the IR Receiver** - Each set of IR Receiver block has three terminals which are labelled "S", "-" and "+". Strip wire (CAT5/CAT5e Solid Cable) ends 4mm and insert into this terminal block according to the following wire instruction for IR Receiver connection: "S" = White Orange, "+" = White Brown, "-" = Brown.

*Note - It is advisable to maintain identical cable colour coding for "S", "-" and "+" for all IR Receiver blocks.*

**Connect the IR Emitter** - Each set of IR Emitter block has two terminals which are "-" and "+". Strip wire cable (CAT5/CAT5e Solid Cable) ends 4mm and insert into this terminal block according to the following wire instruction for IR Emitter connection: "+" = White Green, "-" = Green.

*Note - It is advisable to maintain identical cable colour coding for "+" and "-" between IR Emitter Adapter and IR Emitter block.*

Apply a 12VDC power adapter to this IR Distribution Module and your IR system is ready to go. A power cord is included for connections to the (HPS-25W18AC or HPS-60W) Hills Home Hub<sup>®</sup> power supplies. Simply connect both ends to the proper DC sockets.

**Sensitivity Adjustment**

There is a gain/sensitivity adjustment used for tuning the amplified level. To adjust for different cable losses you can use sensitivity adjust to increase the gain and get appropriate signal levels.

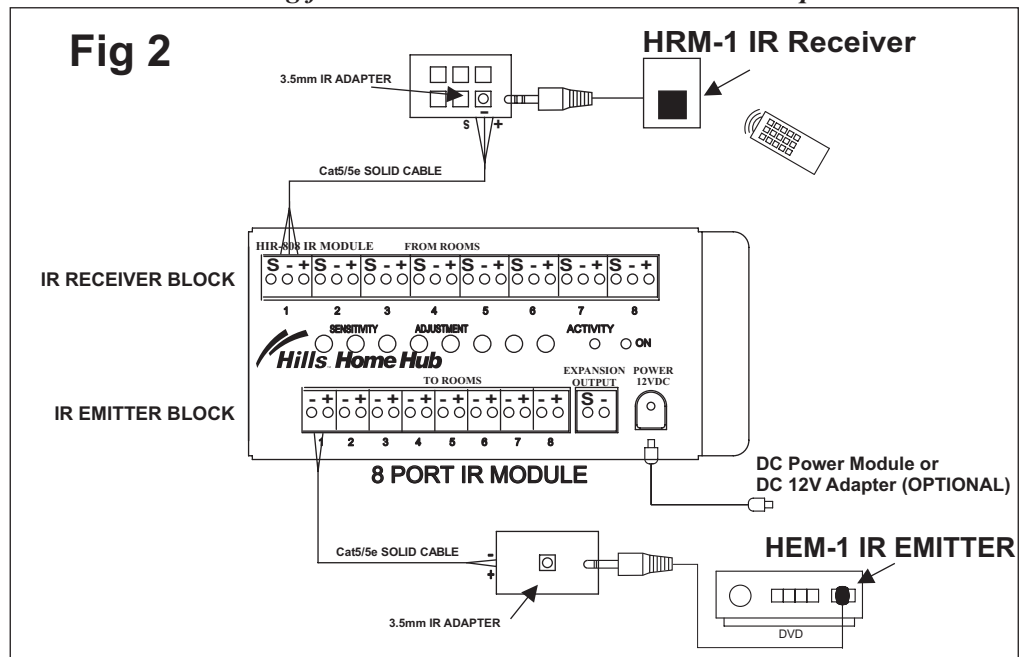
**IR Receiver (HRM-1) & IR Emitter HEM-1):**

The IR Receiver (**HRM-1**) receives IR signals from a handheld remote control and transmits to all IR emitter (**HEM-1**) to control corresponding electronic devices. The transmission media is CAT 5 or CAT 5e cable. Point the handheld remote control to the IR Receiver so 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 metres.

*Note - it is recommended you install ONLY ONE IR Receiver per room.*

**IR Expansion Method:**

The Expansion Output port is used to control additional audio or video devices or to allow more rooms to control audio or video devices when applications go beyond eight. Simply connect the terminals "S" and "-" from the Expansion Output of the first HIR-808 IR Distribution Module into any one of the IR Receiver block terminals "S" and "-" of the additional HIR-808 IR Distribution Module.



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