

Smarthome Limited Warranty

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If the product is found to be defective in material or workmanship or if the product does not perform as warranted above during the warranty period, Smarthome will either repair it, replace it or refund the purchase price, at its option, upon receipt of the product at the address below, postage prepaid, with proof of the date of purchase and an explanation of the defect or error. The repair, replacement, or refund that is provided for above shall be the full extent of Smarthome's liability with respect to this product.

For repair or replacement during the warranty period, call Smarthome customer service to receive an RA# (return authorization number), properly package the product (with the RA# clearly printed on the outside of the package) and send the product, along with all other required materials, to:

Smarthome
ATTN: Receiving Dept.
16542 Millikan Ave
Irvine, CA 92606-5027



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rev 050203



Mini Stick-On Emitters

Control for your audio and video equipment

For models:

- | | |
|-------|--------------------------------------|
| 8170S | Single Head IR Emitter (non-visible) |
| 8171S | Dual Head IR Emitter (non-visible) |
| 8160S | Single Head IR Emitter (visible) |
| 8172S | Dual Head IR Emitter (visible) |

SMARTHOMETM
MAKING LIFE MORE CONVENIENT, SAFE AND FUN

Congratulations and Introduction

Mini Stick-On IR Emitters can be used to "hardwire" IR from Smarthome, Xantech, Audioplex, or other compatible IR (infrared) controllers to your audio-video gear to give you the highest level of IR signal transmission accuracy. These emitters have self-adhesive pads that allow them to adhere directly to the IR sensor window of your audio-video equipment.

The emitters come in four styles:

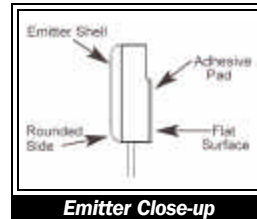
8170S is a single-headed IR Emitter that emits invisible IR light. Although you won't see the emitter working, it will faithfully reproduce electrical signals in IR light that your audio-video equipment understands.

8171S Dual Head IR Emitter is just like the single-headed model above (emits invisible light). This emitter has two heads to emit the light. Each one is wired in parallel so that if one head is cut off or damaged, the other remains functional.

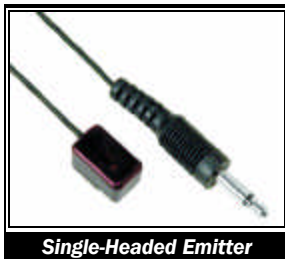
8160S Single Head IR Emitter and 8172S Dual Head IR Emitters produce a visible blink when operating. This is helpful in troubleshooting an IR distribution system and works well when the equipment is inside a cabinet where the blinking will not distract the user. These flash light in both the infrared and visible spectrums so that the emitter visibly flashes red when it emits an IR signal. These visible emitters emit a slightly weaker IR signal, but since the device is right on top of the component's IR sensor, there is still plenty of signal to do the job.

Key Features

- Universal compatibility with dozens of brands of IR controllers
- Sticks directly onto the AV equipment for the best reliability
- Unique design allows separating the heads only as much as your installation requires (*8171S & 8172S only*)
- IR transparent - the remote control signal can still directly control the equipment
- One cable from the controller can control two units (*8171S & 8172S only*)
- Small, low-profile design
- Highest level of signal transmission accuracy
- Lead is terminated with a 1/8" (3.5 mm) male mono mini plug



Emitter Close-up



Single-Headed Emitter



Double-Headed Emitter

Installation

1. **Attaching the emitter(s) to your audio/video device(s) IR sensor window(s).** Peel off the protective cover from the flat side of the emitter. Affix the sticky (flat) side of the emitter to the center of your A/V device's IR sensor window. (If you have difficulty finding the IR sensor on the component, consult the component's owner's manual or check out the tips below.) Repeat for second emitter as required.
2. **Attaching the Stick-On Emitters to your connecting block or controller.** Plug the 3.5mm mono mini-plug into the IR output port of the connecting block or controller.

Installation Tips:

When using stick on emitters, it's important that to find the IR sensor on the equipment and place the emitter directly over the sensor. Use a flashlight to look into the display or bezel of the equipment to find the sensor. Sometimes, using the original remote control and covering the front of the equipment with an object or thick cloth can help locate the sensor. Try placing a computer mouse pad over the equipment and working from right to left, move the mouse pad (to the left and exposing the right) while shooting the remote at the equipment until a response from the equipment to the IR signals is observed. For example, holding down the volume button on the remote control as the mouse pad is moved to the left. When the unit begins increasing the volume, the approximate location of the IR sensor on the equipment has been found. Next, use the same technique starting at the top of the equipment to find the exact center of the sensor. Now that the approximate vertical and horizontal of the sensor is known, use a flashlight to find exactly where it is.



Typical Emitter Installation

Place the stick on emitter over this location!

Be careful where emitters are plugged into on some equipment. Some similar jacks may have higher voltages that the emitter can handle. For example, some Smarthome products have a jack for sensing "probes." **If an emitter is plugged into the Probe jack, it will be instantly destroyed!**

Problems you might have with Mini Stick-on Emitters

1. Know for sure where the sensor is on the equipment following the steps above.
2. Some plasma TVs and compact fluorescent lights may produce IR noise that could interfere with the equipment's IR sensor. Covering the outside of the emitter with black electrical tape or the entire sensor and emitter may help.
3. If the emitter falls off the equipment, clean the sensor area with an alcohol-based cleaner and re-apply the sensor.
4. If the foam adhesive doesn't stick well, apply a very small drop of glue and re-apply.
5. IR emitters need to be in direct contact with the equipment's IR sensor window for best results. Operation may be intermittent if the emitter is just a few inches away from the window.
6. An extension cable (up to 300 feet) may be used between the emitter and the equipment. A two or three conductor cable with male and female 1/8" (3.5mm) plugs is ideal.