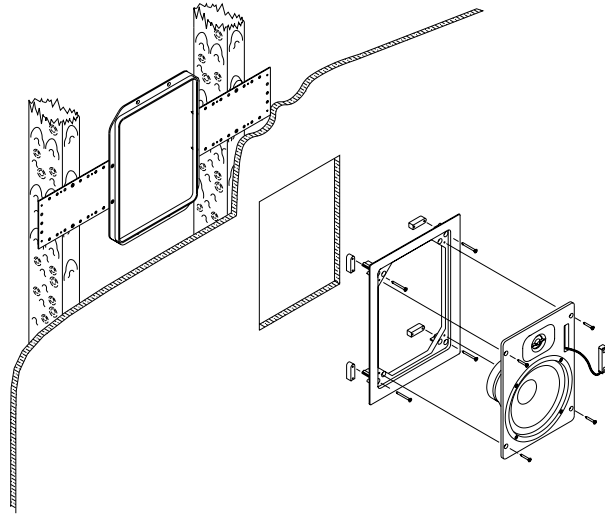


INSTALLATION INSTRUCTIONS

S-62, S-64, S-66 SMARTSPEAKER™



INTRODUCTION

The SmartSpeaker™ line consists of three physically interchangeable speaker/baffle assemblies, installation and finishing hardware. The speaker/baffle assemblies feature a cut-out for the 480 Dinky Link™ Infrared Receiver. The systems are designed to be mounted in a wooden-studded plasterboard or “lath and plaster” wall. They can be mounted in most ceilings, however special acoustic treatment may be required. The addition of the Dinky Link Infrared Receiver adds the dimension of wireless remote control extension to any installation.

DESCRIPTION

R-61 Rough-in Kit

- The Rough-in Kit consists of a pair of molded rectangular frames, flat perforated “wings” and thread-cutting screws.
- The Rough-in Kit is mounted to the wooden studs during construction and is installed before the plasterboard. It is not used in existing construction.

F63 Bezel/Grille

- The molded plastic bezel mounts directly to the wall or ceiling, with or without the Rough-in Kit. It is held in place by four “dogs” which slip through the rectangular wall cutout and rotate into clamping position as they are tightened.
- The bezel can be painted to match the mounting surface after it is installed.
- The perforated metal grille should be painted, if desired, before installation.
- The grille should be carefully installed after the speaker/baffle assembly has been mounted. Care should be taken so that the edges of the grille do not scratch the finished surfaces of the bezel. The grille should be painted, if desired, before installation.

S-62, S-64 and S-66 Speaker Systems

- Each system, consisting of a woofer, a tweeter and a matching crossover network, is mounted on a baffle panel.
- The baffle panels for all three systems are sized to mount in the F-63 Bezel. Since the sizes are identical and the system is installed only after the construction and painting is finished, the choice of which system to use can be left until the end of the job.
- The speaker/baffle assembly fastens to the bezel with four thread-cutting screws (supplied).

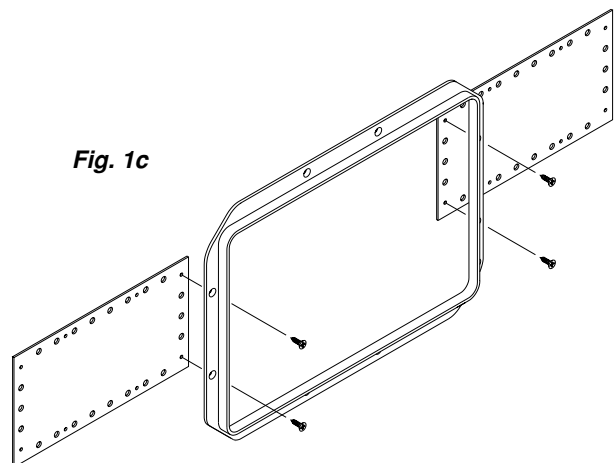
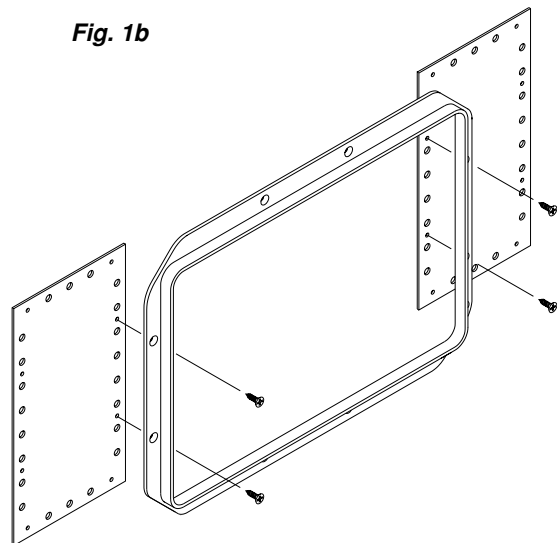
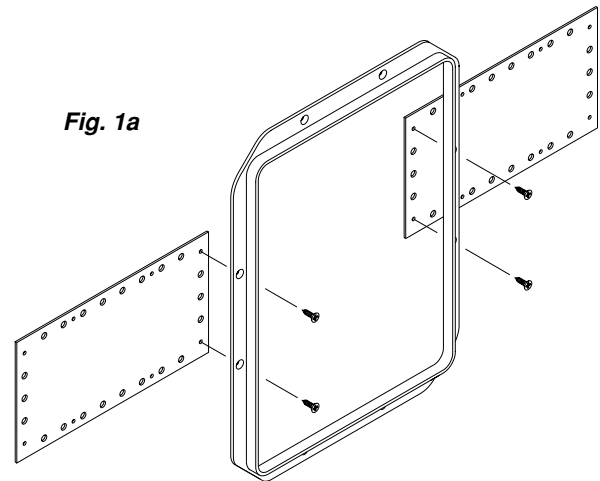
Dinky Link

- The 480 Dinky Link Infrared Receiver is a miniature IR receiver. The 480 makes it possible to extend the functional range of infrared remote controllers to rooms other than those which house the controlled equipment.
- Xantech manufactures a complete line of Infrared Receivers, Keypads, Emitters, Audio Video & Speaker Switchers, Zone Controllers and a Multi-Channel Audio Amplifier.

INSTALLATION

New Construction

- After framing but before plasterboard is applied, assemble the Rough-in Kit.
- Figure 1a illustrates the usual arrangement for mounting the speaker system vertically between studs located on 16-inch centers. Figures 1b and 1c show alternate arrangements for horizontal and ceiling mounting.
- Fasten the Rough-in Kit to the studs with four drywall screws (supplied). The frame should project out of the wall so that it will line the hole to be cut in the drywall.
- Figure 2a illustrates a correctly mounted Rough-in Kit mounted between studs on 16-inch centers.
- Figures 2b and 2c show alternate arrangements while Figure 2d shows a typical ceiling installation.
- Figure 3 illustrates an exploded, cutaway view of a typical installation. (a) is the stud-mounted Rough-in Kit, (b) is the plasterboard with the mounting hole cut, (c) is the bezel with the four mounting “dogs”, (d) is the baffle panel and speaker components and (e) is the optional Dinky Link Infrared Receiver.
- Figure 4 shows the action of the rotating mounting “dogs”.



Existing Construction

- Before cutting any holes in the wall, be certain that the center of the opening is approximately centered between the studs, that there are no supports or fire baffles in the area of the hole and that there are no electrical conduits, water or gas pipes in the way.
- Each bezel is packed with a die-cut piece of corrugated cardboard which is intended to be used as a template. Locate it on the wall using a measuring tape and a carpenter's level. Draw the outline of the template on the wall using a pencil. Cut the opening with knife, keyhole saw or saber saw.

Speaker Polarity (or phasing)

- The positive (+) or red binding post on the speaker must be connected to the positive or red binding post on the amplifier.
- The negative (-) or black connections must also correspond.
- Left and right channel orientation must be correct.

Tweeter Level Adjustment

- Models S-64 and S-66 have a two-position tweeter control located on the crossover board. This control is designed to compensate for overall room acoustics or listener preference. The BRIGHT position can be used for large, heavily draped or otherwise "dead" rooms, while the FLAT position can be used for small, hard surfaced rooms. On the S-64, a jumper must be moved between the BRIGHT and FLAT terminals, while a two-position slide switch is provided on the S-66.
- The tweeter control must be set before mounting the speaker/baffle assembly to the bezel.

Dinky Link Installation

- The optional 480B-00 Dinky Link Infrared Receiver can be mounted in a recess on the baffle panel.
- Remove the black foam block. Thread the cable from the Dinky Link through the hole in the bottom of the recess. Use the double sided tape to affix the Dinky Link in the recess.
- In most installations, sufficient infrared energy will pass through the perforated grille to reliably operate the Dinky Link.
- If more range is required, and that additional range can be achieved by removing the grille, a small lens (supplied free upon request) can be added. The lens requires a 3/8" hole in the grille. Determine the hole location by sighting through an installed grille with a flashlight.

Fig. 2a

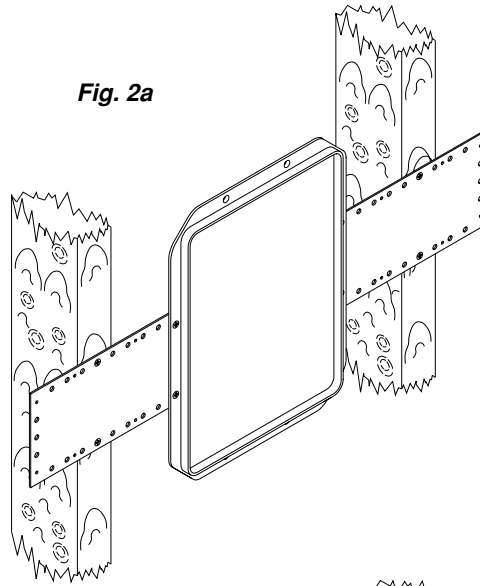


Fig. 2b

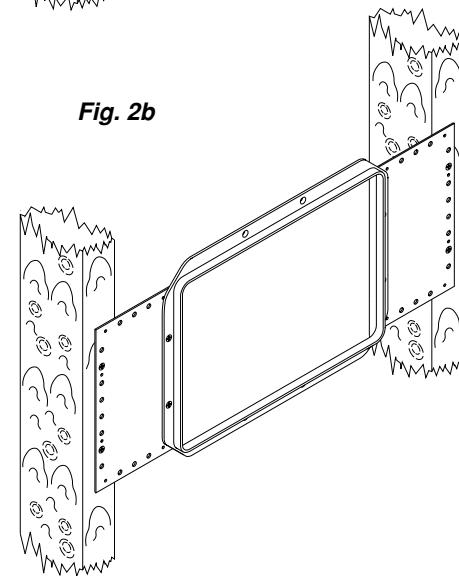
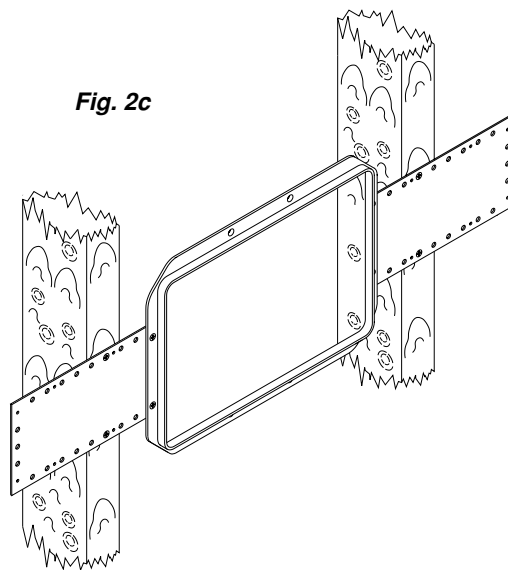


Fig. 2c



- The Dinky Link has two windows, one near the cable at the bottom and the other near the top. The lens should be centered over the top window. Remove the grille from the bezel. Drill a 3/8" hole in the grille.
- A Xantech Unibit SD-200 Step Drill is recommended for drilling round holes in thin metal.

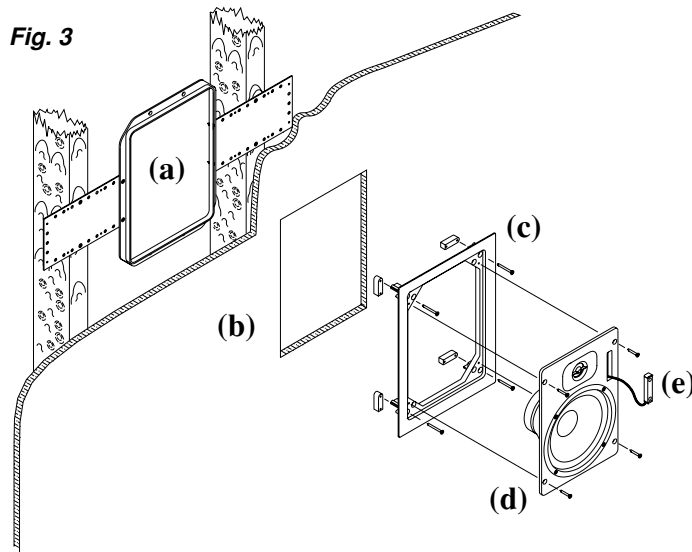
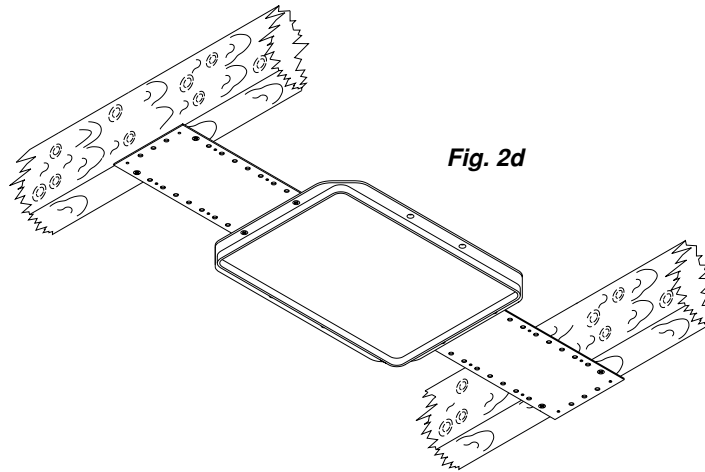


Fig. 4

