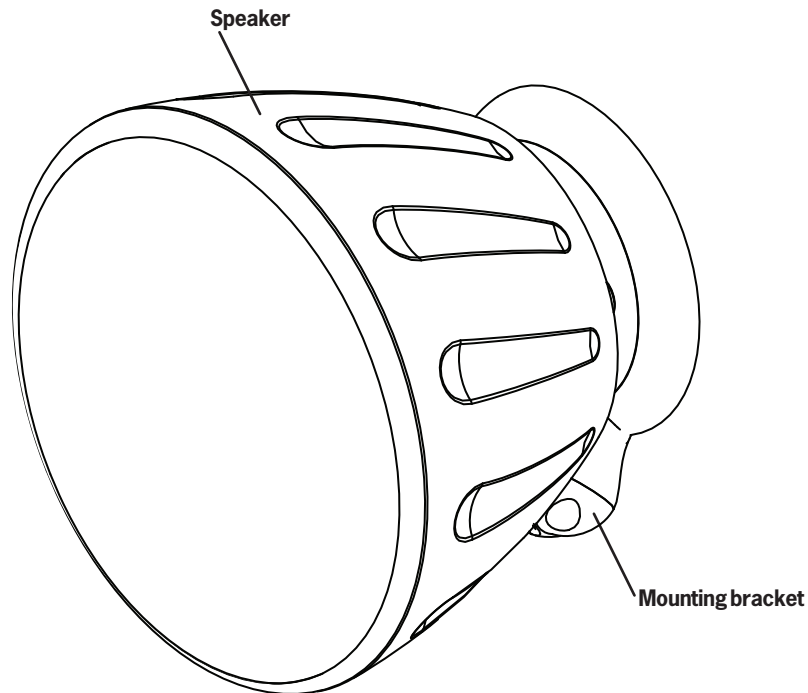# SM31-EZ | Install Instructions For:
SM31-EZ speaker

Box contents

1 Speaker

Optional accessories

The SM31-EZ has 2 optional accessories: a junction box mounting plate (AC-SM31-MP) and a junction box mounting plate with a transformer (AC-SM31-XFMR).
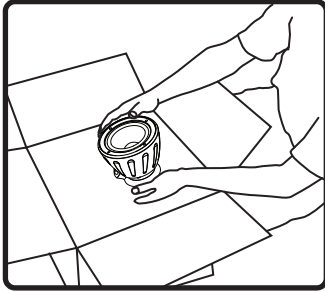
Speaker
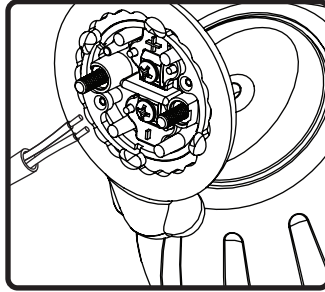
Mounting bracket

⚠ **Warning**

SoundTube speakers must be installed by a professional audio installer/contractor. For safety and for optimum audio performance, installer must follow all directions issued by SoundTube Entertainment.
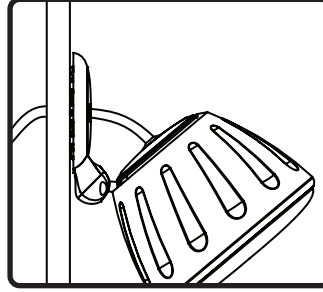
⚠ **Warning**

Do not spec or install speaker near support beam, ventilation duct or other structure that may interfere with speaker function or dispersion.
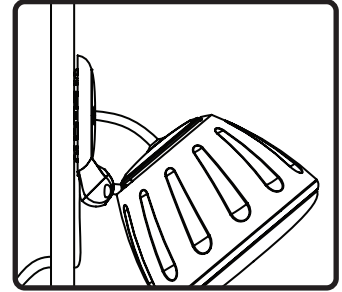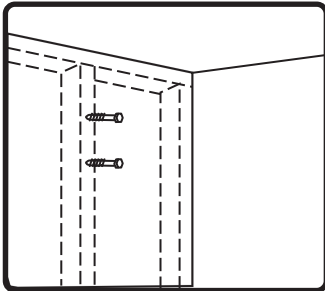
1. Unpack speaker.

2. Connect speaker wire leads to terminal screws on back of base plate. Polarity is indicated
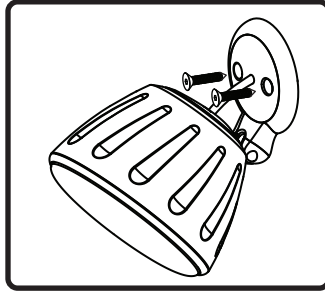
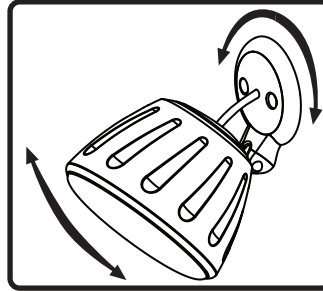3a. If mounting speaker directly over wire, ensure base plate covers hole in wall.

3b. If mounting speaker offset from wiring point, run wire out hole in wall and behind base plate through 2 mm standoff gap between base plate and wall. Standoff gap accepts up to 18-gauge flat signal wire.
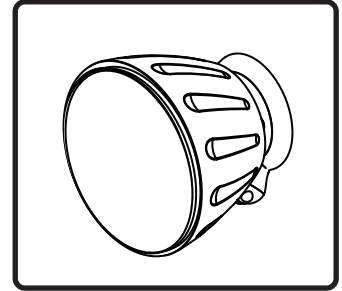
4. Choose a secure mounting surface with sufficient strength to reliably hold the speaker.

5. Attach speaker to surface using installer-supplied fasteners.

6. Aim speaker by pointing it up or down and/or rotating it.

7. Done!

AC-SM31-XFMR Transformer | **Install Instructions For:**
AC-SM31-XFMR transformer option

Box contents
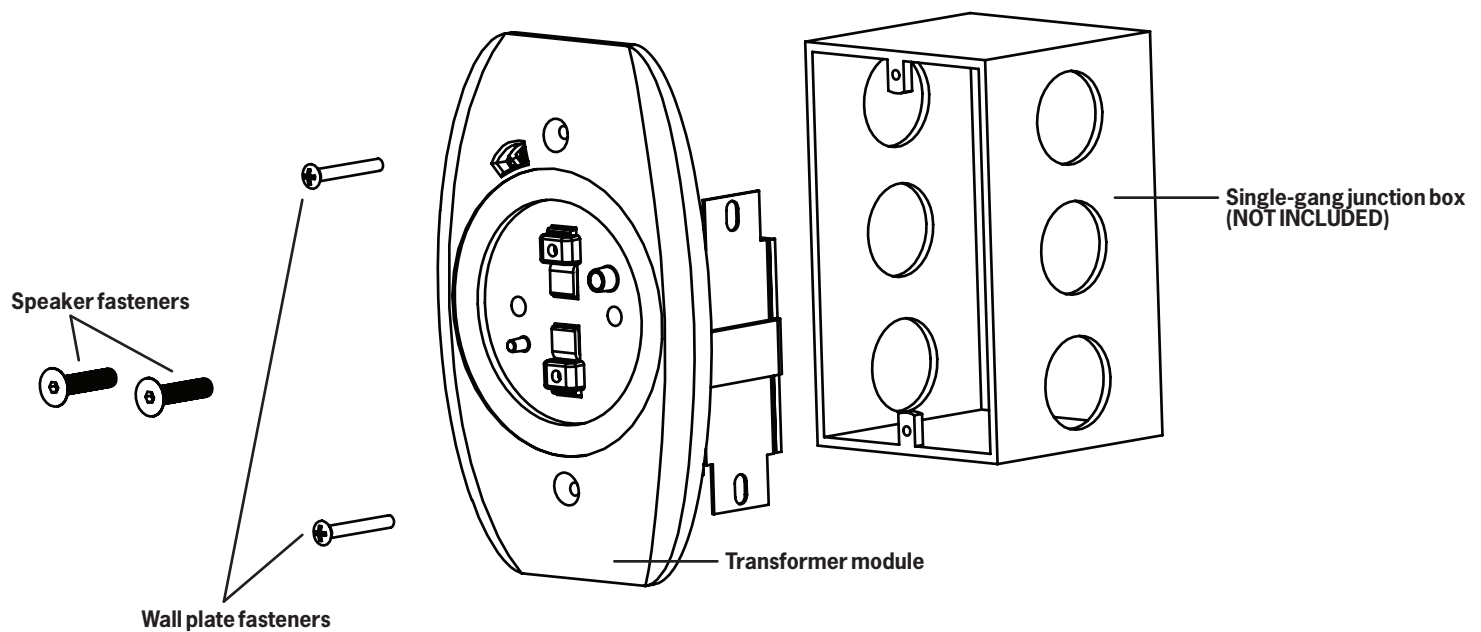
1 Transformer module
2 Fasteners for speaker to wall plate
2 Fasteners for wall plate to junction box

Junction Box Requirements

Minimum 2.5-inch deep, single-gang, new construction junction box required.
Unit will **NOT** fit in retrofit-style junction box.
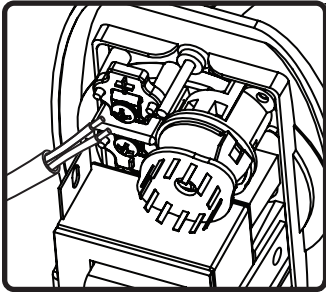SoundTube recommends testing fit before installing junction boxes.

Speaker fasteners

Wall plate fasteners

Transformer module

Single-gang junction box (NOT INCLUDED)
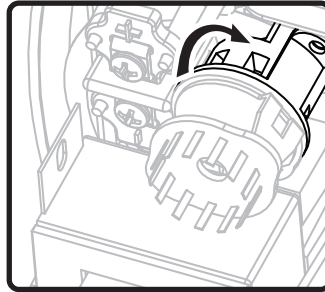
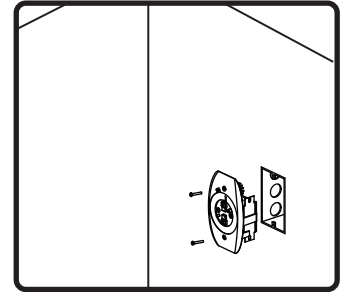| ⚠ Warning	⚠ Warning
SoundTube speakers must be installed by a professional audio installer/contractor. For safety and for optimum audio performance, installer must follow all directions issued by SoundTube Entertainment.	Do not spec or install speaker near support beam, ventilation duct or other structure that may interfere with speaker function or dispersion.

1. Attach signal wire to terminal strip. Terminal strip can accommodate additional wires for daisy chaining.

2. To set tap before installation, turn switch from behind cover plate until desired setting shows through window on front of cover plate. (See step 2a for tap settings.) Tap switch is preset to the maximum tap setting in the 70.7-volt mode. To adjust tap setting after installation, see step 7.
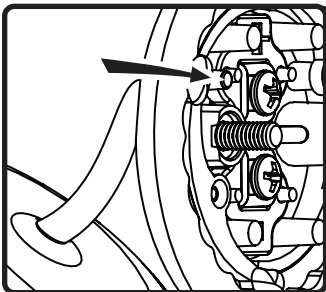
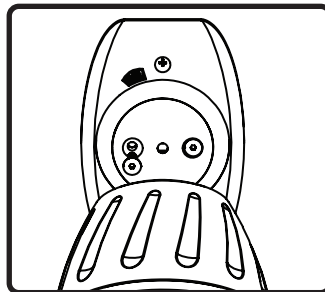| Tap	70.7 v	100 v	25 v
5	0.7w	1.3w	0.1w
4	1.3w	2.5w	0.2w
3	2.5w	5w	0.4w
2	5w	10w	0.7w
1	10w	X	1.3w

2a. Tap settings.

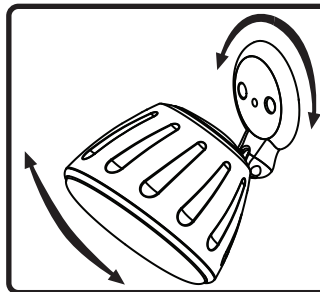3. Install the AC-SM31-XFMR into the installer-supplied junction box using included fasteners.

Note: AC-SM31-XMFR will only fit into a 2.5-inch deep, single-gang, new construction junction box. It will **NOT** fit in retrofit-style junction box.
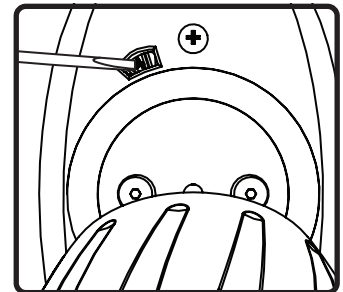

4. The base plate is keyed to ensure proper polarity. Be sure smaller color-coded post on rear of SM31 connects to color-coded polarity key on wall plate. Both are marked for easy identification.
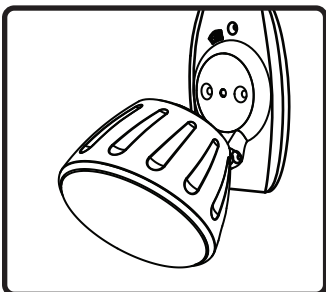

5. Attach speaker to transformer module with supplied fasteners. No wiring is necessary because signal wire contact is made when speaker is screwed in place.

6. Aim speaker by moving it up or down or rotating it.

7. To adjust the tap setting after installation, slip a small flathead screwdriver through the "window" on the cover plate and rotate dial to desired position. Reference step 2a for tap settings.

8. Done!