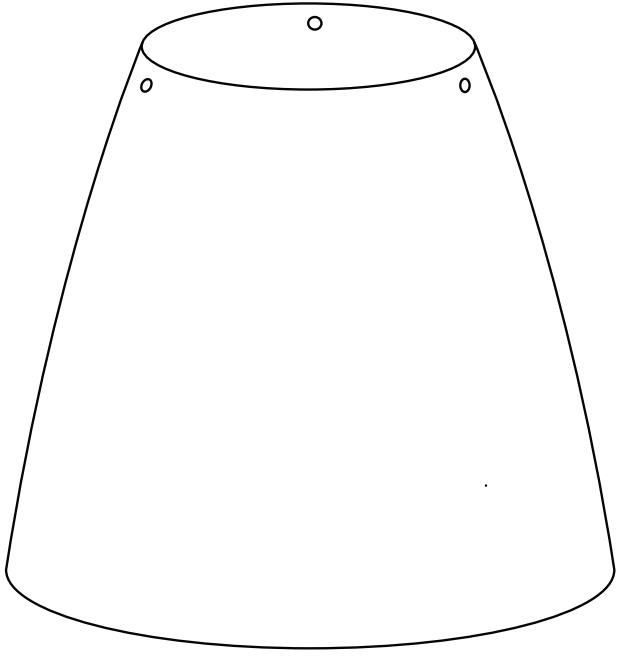


KLIPSCH COMMERCIAL
PENDANT HOUSINGS

KPH-525
KPH-650
KPH-800

OWNER'S MANUAL

IMPORTANT SAFETY INSTRUCTIONS!

1. READ these instructions.
2. KEEP these instructions.
3. HEED all warnings.
4. FOLLOW all instructions.
5. DO NOT use this apparatus near water.
6. CLEAN ONLY with dry cloth or lightly damped cloth.
7. DO NOT block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. DO NOT install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. ONLY USE attachments/accessories specified by the manufacturer.
10. USE ONLY with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

11. DO NOT expose this apparatus to dripping or splashing.
12. DO NOT modify or alter in anyway.
13. SWITCH OFF amplifier prior to connecting speakers

The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to persons.

WARNING: To reduce the risk of fire or electrical shock, do not expose this apparatus to rain or moisture.

WARNING: No naked flame sources – such as candles – should be placed on the product.

WARNING: The aparatus is not designed to be used for any type of moving or lifting installation.

WARNING: For Indoor use only.

WARNING: Installation must be done by qualified personnel to appropriate standards and/or building codes.

WARNING: Neglect to follow the safety and installation instructions may cause malfunctions resulting in property damage and personal injury.

WARNING: Do Not Open! Risk of Electrical Shock. Voltages in this equipment are hazardous to life. No user-serviceable parts inside. Refer all servicing to qualified service personnel.

EU COMPLIANCE INFORMATION

Eligible to bear the CE mark; Conforms to European Union Restriction of Hazardous Substances Recast (RoHS2) Directive 2011/65/EC; European Union Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) Directive 2006/121/EC;

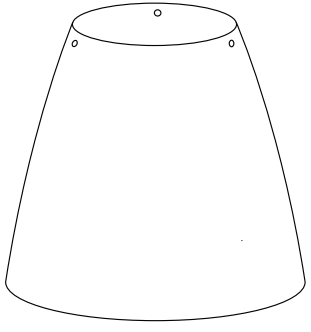
You may obtain a free copy of the Declaration of Conformity by contacting your dealer, distributor, or Klipsch Group, Inc.'s worldwide headquarters. Contact information can be found here: http://www.klipsch.com/Contact-Us

KPH-525 KPH-650 KPH-800

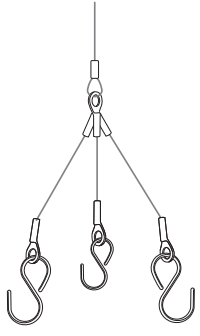
The Klipsch family of pendant housings are designed specifically to accept the Klipsch IC series of 70/100 volt in-ceiling commercial loudspeakers. A pendant style speaker can be a perfect distributed sound solution for hospitality or retail environment in areas where high ceilings or a lack of a suspended ceiling make in-ceiling speakers a challenge for direct, overhead sound coverage. A pendant speaker can also provide a certain aesthetic solution when blended with similar lighting styles. With their Tractrix Horn-loaded design, the use of Klipsch IC Series speakers inside the housing provides both higher efficiency for increases output and reduced distortion for greater sound clarity and very even coverage patterns.
The pendant housings should be used with the following in-ceiling speaker models:

KPH-525: IC-400-T, IC-500-T-SC, IC-525-T
KPH-650: IC-650-T
KPH-800: IC-800-T & IC-SW-8T2

CONTENTS KPH-800 ONLY | KPH-525 & 650 2 EACH BELOW



One pendant housing

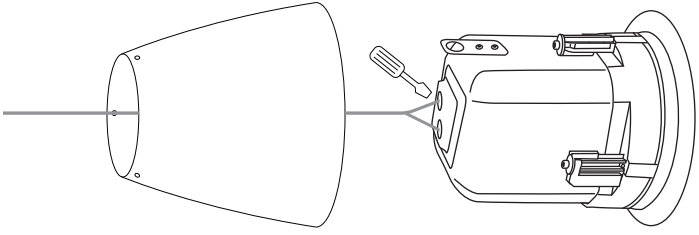


One 9.5 ft (2.9M) drop cable with three suspension cables with S-hooks

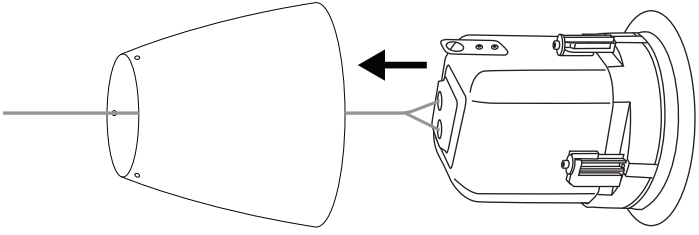
One fastlink wire joiner

INSTALLATION

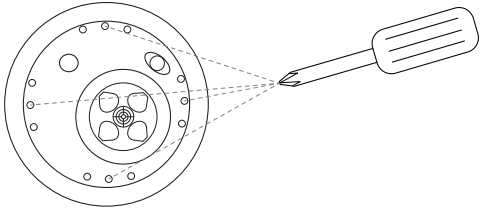
1. Run speaker wire through housing top and out bottom and attach to Klipsch IC speaker. See IC owner's manual for 70 volt or 8 ohm wiring directions.



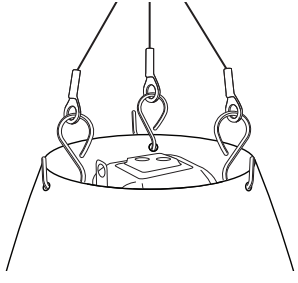
2. Insert the Klipsch IC speaker assembly with attached wiring into the pendant housing bottom opening.



3. Fasten by tightening the four Phillips screws indicated The speaker frame's "dog" legs will swivel out and secure the housing and speaker together.

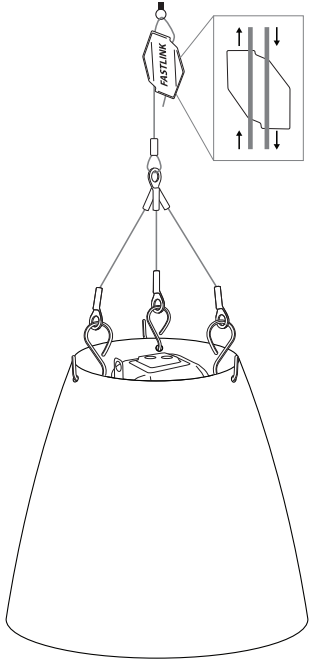


4. Attach the three s-hooks attached to the three suspension cables to the three holes at the top of the pendant housing.

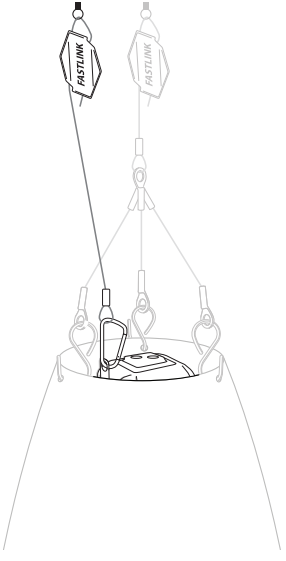


INSTALLATION

5. Thread bare end of the 9.5 foot drop cable through one channel of the fastlink wire joiner, through or around the ceiling anchor point, then back through the opposite channel of the wire joiner to connect the cable and lock it into the joiner

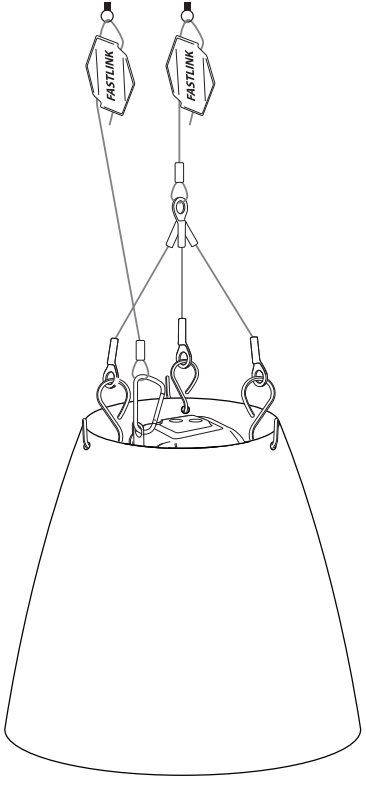


6. Thread the bare end of a safety cable (not included) through one channel of a second wire joiner (not included), through or around a different ceiling anchor point then through the opposite channel of the wire joiner used. Attach its eyelet into a carabiner, s-hook, etc. (not included) and attached to the speaker seismic tab. Make sure the suspended speaker's weight is held entirely by the drop cable.



INSTALLATION

7. Wrap speaker wire up around the drop cable and connect to source. Connect safety cable to nearest suspension wire and drop cable using twist or zip ties for aesthetic appeal. If desired, encase drop cable wrapped with speaker wire and attached safety cable in a plastic conduit.



SPEAKER HEIGHT / SPACING

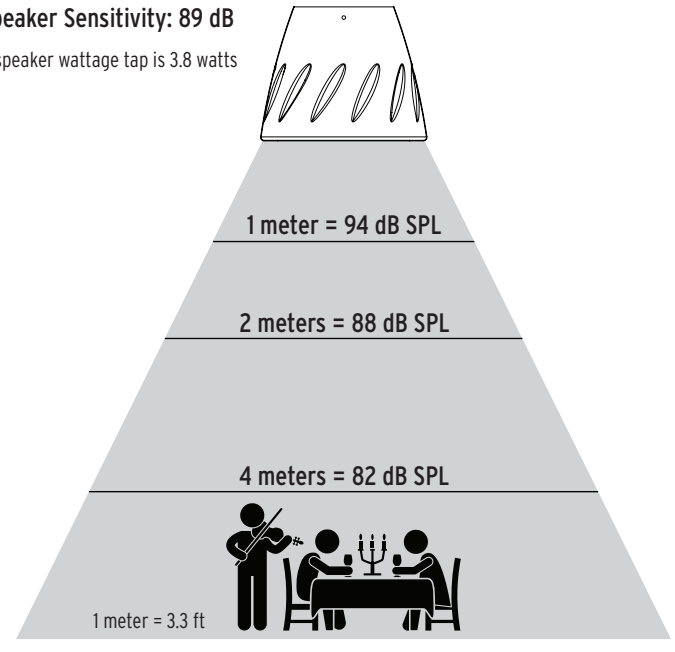
A speaker's sensitivity specification gives you its Sound Pressure Level (SPL) output at one meter with one watt input. The accompanying illustration shows how you can determine SPL output at a given distance based on the followingconstants that apply to sound:

1. Every time you DOUBLE THE POWER input to a speaker you increase its SPL by 3dB.
2. Every time you DOUBLE THE DISTANCE from a speaker you lose 6dB of SPL.

Background Music Levels-SPL levels usually 3-6dB above ambient sounds, approximately 70-85dB SPL's.

Foreground Music Levels-10dB+ above ambient sounds, approximately 85-95dB SPL's.

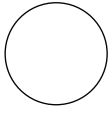
Use an SPL meter during the businesses' peak traffic hours to determine ambient levels.



SPEAKER HEIGHT / SPACING

Space speakers according to their coverage patterns and NOT their polar patterns. Speaker coverage patterns grow wider as their distances increase.

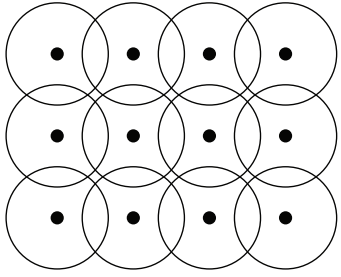
Although overlapping speaker coverage patterns provide very consistent SPL's over the entire area, they involve using more speakers for a higher system cost. An "Edge-To-Edge" pattern is more common using less speakers, especially with Background Music Systems.



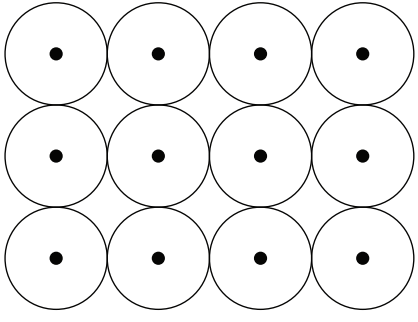
Speaker Coverage Pattern

Overhead Speaker

Overlap Spacing
Ideal, but higher cost



Edge-to-Edge Spacing
More practical



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