

COMMERCIAL ALL WEATHER

OUTDOOR SPEAKER

OWNER'S MANUAL



OUTDOOR SPEAKERS

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.
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. DO NOT defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. PROTECT the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. ONLY USE attachments/accessories specified by the manufacturer.
12. 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.
13. UNPLUG this apparatus during lightning storms or when unused for long periods of time.
14. REFER all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

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



WARNING: Voltages in this equipment are hazardous to life. No user-serviceable parts inside. Refer all servicing to qualified service personnel.

CAUTION: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this device.

ABOUT YOUR KLIPSCH PURCHASE

Thank you for your purchase of Klipsch outdoor loudspeakers. After reading this manual and connecting your system, you will hear the result of over 55 years of stringent engineering and class-leading research and development. Like all Klipsch products, your outdoor loudspeakers feature Klipsch Tractrix® Horn-loaded Technology—the guiding design for the first Klipschorn® developed in 1946 and for every product that has followed. Horn-loading allows your speakers to deliver high sensitivity, low distortion, flat frequency response and wide dispersion, which translates to unequalled power, detail and dynamics, the hallmarks of "The Klipsch Sound." Please be sure to register online at www.klipsch.com/register so we are better able to serve you. Again, thank you for choosing Klipsch and we hope that your speakers bring life to your music for many years.

KLIPSCH CONTRACTOR ALL-WEATHER LOUDSPEAKERS

(CA-525T, CA-650T, CA-800T)

The Klipsch Reference All-Weather loudspeakers are two-way designs using a high performance bass driver for the low frequencies. A Tractrix Horn with a 90° x 90° coverage pattern is attached to a 1" diameter compression driver for clean and efficient reproduction of the high and midrange frequencies.

(CA-800-TSW)

The CA-800-TSW is an innovative approach that delivers low frequency sound in outdoor applications. This subwoofer has been designed to complement any of the indoor or CA speakers and deliver strong bass response in a variety of applications. It incorporates a built-in low-pass crossover that ensures a seamless blend between the subwoofer and the models used for high-frequency reproduction and allows for simple wiring configurations.

Klipsch Commercial All-Weather loudspeakers are constructed from UV-resistant, glass-reinforced polypropylene and are remarkably durable against the elements. They can be painted to match any trim or siding color.

PLACEMENT

The Commercial All-Weather models are perfect for patios, decks, swimming pools, porches or any other place where exposure to the elements makes conventional loudspeaker usage unsuitable.

(CA-525T, CA-650T, CA-800T)

To achieve the best performance from your speakers, place the pair on the same wall facing the listening area and space them six to fifteen feet apart. For a higher quality stereo image, angle down, or toe in, the speakers toward the primary listening area. This is especially important in installations that place the speakers well above ear level. Some additional bass will result if you place the speakers in a corner or near a wall. This provides greater bass coupling due to the additional reflected energy from the walls.

(CA-800-TSW)

The CA-800-TSW can be installed in a large variety of locations due to bass frequencies being less directional than high frequencies. You will achieve better results if it is installed in a corner or near a wall where additional energy can be reflected from the walls.

WALL MOUNTING

Included with your speakers are "C" style mounting brackets constructed of weather-resistant, powder-coated zinc. These brackets attach to the speaker with the supplied low profile knobs that thread onto the top and bottom studs protruding from the cabinet. This allows the speaker to be angled to the left or right when mounted vertically, or up and down when mounted horizontally.

After determining the desired location and orientation of your speakers, remove the bracket from the loudspeaker and use it as a template to mark the location of the mounting holes. Check the alignment of the holes with a torpedo level before drilling the pilot hole. Use #10-12 2.5" – 3" long pan head screws to attach the bracket into a wall stud. Affix the speaker to the bracket with the supplied knobs. Be sure to leave enough clearance between the end of the bracket and any adjacent wall or ceiling for installation of the knobs.

If a wall stud is not available, use the appropriate type of drywall or masonry anchor to support the weight of the speaker, allowing for a generous safety margin. Please consult your dealer, custom installer or building contractor in these situations.

You may also use an optional wall or ceiling mount that will fit the provided 3/8" – 16 inserts. Please see your authorized Klipsch dealer to see which model is right for you.

CONNECTIONS

The CA-525T, CA-650T, CA-800T and CA-800TSW include a multi-tap transformer for 70 or 100 volt installations. There is also a bypass position that allows normal 8 ohm operation for installations that do not require a transformer. The switch is on the back of the speaker and can be set using a small flat head screwdriver. Make the appropriate tap selection as indicated below:

CA-525T (Transformer Power Rating: 30W)

70V: 30W, 15W, 7.5W, 3.7W, 1.7W

100V: 30W, 15W, 7.5W, 3.7W

Bypass Position: 8 ohm Nominal

CA-650T / CA-800T / CA-800TSW (Transformer Power Rating: 60W)

70V: 60W, 30W, 15W, 7.5W, 3.7W

100V: 60W, 30W, 15W, 7.5W

Bypass Position: 8 ohm Nominal

When making any type of speaker wire connection, be sure to observe proper polarity. Most speaker wire and connectors are color-coded. Typically, red is positive (+) and black is negative (-), or ground. It does not matter which wire conductor is connected to the positive or negative connection of your equipment as long as it is consistent.

BUT FIRST: TYPES OF CONNECTORS

Your speaker is equipped with barrier strip connectors for inputs. Make sure that there is no metal-to-metal contact between the two lugs. Failure to observe this precaution at either end of the connection can result in amplifier malfunction or damage.

PAINTING

The grille and cabinet of your speakers may be painted. For best results, lightly sand all surfaces to be painted (cabinet and grille) with 300-400 grit sandpaper. Wash these surfaces with a moistened cloth dipped into a mild detergent to remove any fingerprints or grease. Allow speaker to dry before painting.

Care must be taken to mask off the front of the speaker to protect the tweeter, woofer and front panel from overspray. This will maintain the existing uniform dark color behind the grille and protect the woofer and tweeter from being damaged by the paint. Affix masking tape to the inboard wall of the grille groove and attach plastic or newspaper to the tape to cover the entire front panel of the speaker. Also before painting, mask the speaker wire barrier strips on the rear of the cabinet to preserve their conductivity.

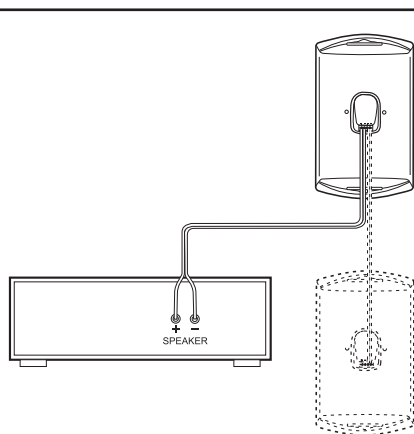


Figure 1

Remove the grille before painting. For best results, use several light coats of paint instead of one heavy coat. This will help prevent the perforations in the grille from becoming clogged with paint.

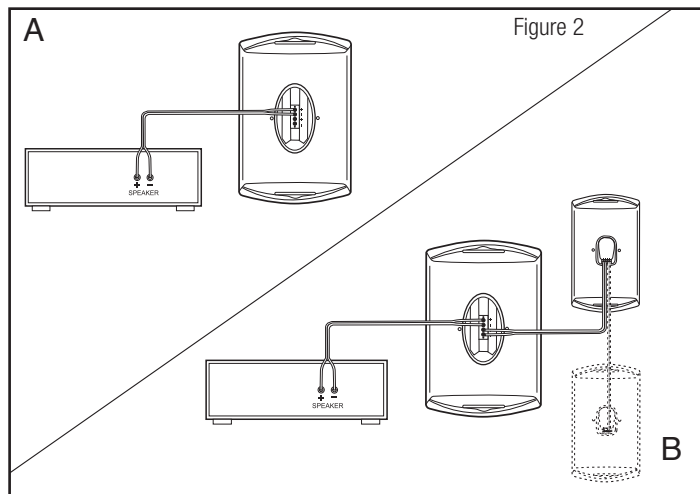


Figure 2

PRODUCT REGISTRATION

Register your product online at www.klipsch.com/register

- Klipsch will keep you up-to-date on new products and promotions
- Your personal information will never be resold
- This registration information is not used for warranty purposes.
Please retain your receipt for warranty claims.

