



# Klipsch<sup>®</sup> L.I.C.

A LEGEND IN SOUND.

8900 Keystone Crossing, Suite 1220  
Indianapolis, Indiana 46240  
1-800-KLIPSCH • [www.klipsch.com](http://www.klipsch.com)

For your records:

\_\_\_\_\_

Model

\_\_\_\_\_

Serial Number

\_\_\_\_\_

Date Purchased

\_\_\_\_\_

Dealer Name

Make sure you return your warranty card so that we may keep you up-to-date on new Klipsch products and promotions. As always, if you have any questions, contact your local authorized Klipsch dealer.

Klipsch, L.I.C.  
P.O. Box 688  
Hope, AR 71802

Place First  
Class Postage  
Stamp Here

# Klipsch Limited Warranty

KLIPSCH, L.L.C. ("KLIPSCH") warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below). For a period of five (5) years from the date of purchase, KLIPSCH will repair or replace (at KLIPSCH's option) this product or any defective parts (excluding electronics and amplifiers) in this product. For products that have electronics or amplifiers, the warranty on those parts is for a period of two (2) years from the date of purchase.

To obtain warranty service, please contact the KLIPSCH authorized dealer from which you purchased this product. If your dealer is not equipped to perform the repair of your KLIPSCH product, it can be returned, freight paid, to KLIPSCH for repair. Please call KLIPSCH at 1-800-KLIPSCH for instructions. You will need to ship this product in either its original packaging or packaging affording an equal degree of protection.

Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service.

This Warranty is invalid if (a) the factory applied serial number has been altered or removed from this product or (b) this product was not purchased from a KLIPSCH authorized dealer. You may call 1-800-KLIPSCH to confirm that you have an unaltered serial number and/or you purchased from a KLIPSCH authorized dealer.

This Warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of, the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than KLIPSCH or a KLIPSCH dealer which is authorized to do KLIPSCH warranty work. Any unauthorized repairs will void this Warranty. This Warranty does not cover products sold AS IS or WITH ALL FAULTS.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER. KLIPSCH SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

Some states do not allow the exclusion or limitation of incidental or consequential damages or implied warranties so the above exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

# Klipsch Synergy Series™



**KAW 1.1**

**All-Weather**

**Loudspeaker**

# Owner's Manual & Warranty

## **We Want Your Klipsch Product to Look and Sound as Good as When it Left the Factory. Please Check Promptly for Transit Damage.**

Each Klipsch product is individually tested for sonic quality and inspected for superior appearance before it leaves the Hope, Arkansas factory. Your loudspeaker left the factory in perfect condition in packaging carefully engineered to protect both the working parts and finish. However, in certain extreme circumstances, the products may be damaged in transit.

To ensure that your loudspeaker is in its original condition, please inspect it immediately. If any damage is discovered, notify the transportation company responsible for safe delivery. Make a request for inspection and hold the product in its original shipping carton for the inspector. After a joint inspection report is made, file a claim with the transportation company.

## **Klipsch KAW 1.1 All-weather Speakers**

The KAW 1.1 speaker is a two-way design using a horn-loaded high frequency compression driver, complementing a high performance bass driver for the low frequencies. A breakthrough in horn design, Klipsch engineers developed an all-new Tractrix® Horn with a 90° x 40° coverage pattern for enhanced outdoor performance. This horn is attached to a 1" diameter diaphragm compression driver for clean and efficient reproduction of the high and midrange frequencies.

The KAW 1.1's design provides precise imaging and exceptional detail in the critical vocal ranges. With high efficiency, low distortion, controlled coverage and flat frequency response, the KAW 1.1 delivers the sound Klipsch is famous for. Constructed from UV-resistant, high-impact polystyrene, the cabinet is remarkably durable against the elements and can be painted to match any trim or siding color.

### **PLACEMENT OF THE KAW 1.1**

There are a number of applications where the Klipsch KAW 1.1 is the perfect solution for outdoor sound — patios, decks, swimming pools, porches or any other place where exposure to the elements makes conventional loudspeaker usage unacceptable.

Many of the placement recommendations for indoor use also apply in outdoor applications. The most common difference is the desire or need to mount the speakers above ear level on a wall or under an overhang. To achieve the best performance from your KAW 1.1s, place both speakers on the same wall facing the listening area. Space them six to 15 feet apart with the tweeters as close to ear level as possible. For a higher quality stereo image, angle, 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.

### **Wall Mounting**

Included with your KAW 1.1 speakers are OmniMount® mounting brackets that provide tremendous placement flexibility. Weather-resistant to ensure years of reliable service, these brackets are the recommended method of mounting and supporting your speakers. The end of the bracket arm screws into the threaded insert in the rear panel of the speaker. The bracket's clamp and ball assembly can be swiveled and locked into place to accommodate wall or ceiling (eave) mounting.

After determining the desired location and orientation of your KAW 1.1s, remove the bracket from the loudspeaker and use it as a template to mark the location of the mounting holes. Use #10-12, 2½-3" 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.

#### **Use of the Port Plug**

A vinyl port plug is included for installations that may expose the KAW 1.1 to extremely wet weather conditions. The internal components are water-resistant, however, it is best to avoid having standing water inside the cabinet whenever possible. To insert the plug, gently pry off the metal grille taking care not to bend it or chip the paint. Insert the closed end of the plug into the port until the fit is snug. **DO NOT** use excessive force! Use of the port plug will result in a slight loss in the deep bass frequencies, but will make your speakers more weather resistant and ensure a long and trouble-free life.



#### **HOW TO CONNECT THE KAW 1.1**

**Switch your electronics OFF when making all connections!** Connect your KAW 1.1 All-Weather speakers to the “Front” or “Main,” left and right channels of your system’s power amplifier. Be sure to observe proper polarity (+ to + and - to -) and avoid having excess bare wire at the connectors, which could short together causing possible amplifier damage. Refer to “About Speaker Wire Connections.”

#### **ABOUT SPEAKER WIRE CONNECTIONS**

When making any type of speaker wire connection, be sure to observe proper polarity. Most speaker wire is color-coded or has some distinguishing feature differentiating the two conductors. Speaker wire connectors on most loudspeakers and amplifiers are also 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 you are consistent. Be sure that the connections from the amp to the speaker on all of the various channels of your system are connected in a like manner. Be careful not to have excess bare wire or loose strands of wire that could short from positive to negative as this could damage the speaker and amplifier.

If one speaker in a stereo pair is out of phase relative to the other (one speaker has the positive and negative terminals reversed), you will hear no center stereo image and a reduction in the amount of bass. To remedy this, check all the connections to make sure both speakers are connected to the amplifier in the same fashion, with positive to positive and negative to negative. High quality speaker cable can make an audible improvement in the sound of your speakers. Your Klipsch dealer can assist you in selecting the proper cable to ensure optimal performance from your loudspeakers.

#### **PAINTING YOUR KAW 1.1**

The grille and cabinet of your KAW 1.1 may be painted to match the exterior decor of your house or to blend in with the surrounding environment. For best results, properly prepare the surface before painting. Lightly sand all surfaces to be painted (cabinet and grille) with 300-400 grit sand paper. Wash these surfaces with a moistened cloth dipped into a mild detergent to remove any fingerprints or grease. Allow 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 over-spray. 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 binding posts on the rear of the cabinet to preserve their color coding and conductivity. Make sure that the black and red knobs are screwed down to cover the threaded metal shafts and wrap them securely in masking tape.

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.

# Component Specifications

## KAW 1.1

**Sensitivity:** 92 dB @ 1 watt/1 meter

**Bandwidth:** 65 Hz-20 kHz±3 dB (without port plug)

**Nominal Impedance:** 8 ohms

**Crossover Frequency:** 2800 Hz

**Power Handling:** 75 watts maximum continuous  
(300 watts peak)

**Enclosure Type:** Bass reflex via front port

**Drive Components:** Two-way system using one 1" (2.54 cm) K-94-S neodymium magnet compression driver with a 90° x 40° Tractrix Horn and one 5.25" (14 cm) K-1027-SV magnetically shielded woofer

**Weight:** 5 lbs. (2.27 kg)

**Height:** 11" (28 cm)

**Width:** 6.75" (17.5 cm)

**Depth:** 6" (15.5 cm)

**Finish:** UV White, paintable (bracket and port plug included)

Cut along dotted line and mail.

*For multiple speaker purchases, please fill out only one warranty card.*

Name \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Age \_\_\_\_\_ Marital Status  Single  Married  Divorced

Highest Education Level  High School  College  Graduate School

Did you purchase these speakers for  Music  Home Theater  Both

What kind of music do you like?

Rock  Classical  Jazz  New Age  R&B  Country  Other

Dealer Name \_\_\_\_\_

Dealer Address \_\_\_\_\_

Dealer City/State/Zip \_\_\_\_\_

Date of Purchase \_\_\_\_\_

*Model and serial number must be included to honor your warranty card.*

Model \_\_\_\_\_ Serial Number \_\_\_\_\_

**Other speakers you own** Brand \_\_\_\_\_  Bookshelf  Floorstanding  Custom

**Other electronics you own (check as many as apply)**

TV (screen size in inches) \_\_\_\_\_  Projection TV (screen size in inches) \_\_\_\_\_  AV amplifier

VCR  Laser disc player  CD player  Cassette player  Turntable  Pre-amp  DVD player

Audio amplifier  Audio receiver  Satellite dish  Cable  DSS (Digital Satellite)

**Are you purchasing for**  New home  Existing home - How long at existing home? \_\_\_\_\_

**How did you hear about Klipsch speakers?**

Magazine  Dealer advertising  TV  Friend  Dealer recommendation  Builder