



Indoor / Outdoor Speaker Pairs



- Wide frequency response
- High efficiency
- Fully weatherproof design
- Ported and tuned enclosures
- Wedge shape design
- Included mounting brackets
- 8 Ω and 70V compatibility
- Available in three sizes
- White or black color

Overview

MCM has created a series of rugged weatherproof speaker pairs, which are designed to meet the needs of virtually any indoor or outdoor situation, in both residential whole-house systems and distributed commercial sound environments.

They are the ideal choice for:

- Large scale commercial environments including retail, commercial, industrial, public transportation and school environments
- High fidelity sound distribution in clubs, sports bars, health spas, community centers
- Outdoor sound distribution in residential distributed systems
- Monitoring in the studio or small stage venues

High excursion woofers mounted in tuned ABS cabinets, coupled with a 1" Mylar tweeter, provide wide frequency response with tremendous detail. Rear mounted rotary switch selects multiple taps on the internal 70V transformer, or 8ohm bypass position, allowing the speaker to see the full frequency range.

Features

- Polypropylene cone woofer with rubber surround
- Soft dome tweeter with dispersion lens

- UV resistant ABS resin composite enclosure
- Wedge shape design for improved cabinet performance and easy corner mounting
- Included mounting brackets and hardware
- Rustproof aluminum grill
- Heavy duty five-way binding post connections

Specifications

Model	50-14930 (white) 50-14931 (black)	50-14935 (white) 50-14936 (black)	50-14940 (white) 50-14941 (black)
• Woofer size	5"	6-1/2"	8"
• Tweeter size	1"	1"	1"
• Power capacity (RMS / peak)	30W/60W	50W/100W	80W/160W
• Frequency Response	60Hz ~ 18KHz	55Hz ~ 20KHz	45Hz ~ 20KHz
• Sensitivity (SPL W/M)	89dB	89dB	90dB
• Nominal impedance	8Ω	8Ω	8Ω
• 70V Transformer taps	1.9W, 3.75W, 7.5W, 15W	2.5W, 5W, 10W, 20W	3.75W, 7.5W, 15W, 30W
• Dimensions HWD (per speaker)	9.5" x 7" x 5.7"	11.2" x 8.1" x 7.1"	14.2" x 10.6" x 9.5"
• Weight (pair)	11.9 lbs	18.7 lbs	29.8 lbs

Installation

While the included mounting bracket facilitates wall or ceiling mounting, these speakers are completely suitable for bookshelf use as well. As these speakers do have considerable weight, care should be taken when deciding on placement. In bookshelf applications, consideration should be given to everything from small children, pets and even ground tremors. When wall mounting, it is highly recommended that the included bracket is anchored to a wall stud or similar interior reinforcement. In cases where specific location does not allow anchoring to a wall stud, suitable anchors must be utilized. MCM Electronics stocks a wide variety of drywall, ceiling and concrete anchors. These anchors are also commonly available at most hardware stores and home centers.

It is the sole responsibility of the end user or installation professional to ensure that proper anchoring and mounting techniques are used. Improper mounting may result in a hazardous situation and violate local codes.

Connection

Located on the rear of the speaker system is a pair of color coded five-way binding post connections. These connections will accept spade lugs, bare wire up to 14AWG, or banana plugs. When using spade lugs or bare wire, simply rotate the red (+) and black (-) plastic terminals counterclockwise, insert the wire and turn clockwise to tighten. When using banana plugs, rotate the plastic terminals fully clockwise, and insert the banana plugs into the terminal.

INSERT TABLE OF EACH 70V TRANSFORMER

8Ω Speaker Applications

With the rotary switch in this position, the speaker acts as a typical high fidelity speaker system, compatible with conventional home theater receivers, sound equipment and stereo amplifiers. For use with these types of amplifiers and receivers, the rotary switch should be placed in the 8Ω position. Placing the selector in one of the 70V positions will not cause damage to any connected equipment or the speakers, however, the volume output will be greatly reduced.

70V Speaker Applications

The advantage of 70V systems is that it is much easier to connect multiple speakers to a single amplifier output. When used with this type of amplifier, a very large number of these speakers may be connected. Additionally, speakers may be daisy chained, from one to the next, greatly easing installation. When connecting speakers to an amplifier in this manner, you select a wattage tap on each speaker, and add the total number of the taps of all speakers together. Then select an amplifier with wattage output that is at least as high as the total of the wattage taps. For questions regarding 8Ω and 70V speaker installations, consult your MCM Electronics technical support department.

Warranty

MCM Electronics warrants to the original purchaser that these speakers will be free from defects in materials and workmanship for a period of one year. In the event that warranty replacement is required, the unit will be replaced or repaired at the sole discretion of MCM Electronics. Warranty claims must be processed through the MCM Electronics customer service department.

This warranty does not include service or parts to repair damage caused by accident, disaster, misuse, abuse, or improper installation. This warranty is in lieu of all other expressed warranties. If the product is defective in materials or workmanship as warranted above, the purchaser's sole remedy shall be repair or replacement as provided above. In no event will MCM Electronics be liable for any incidental or consequential damages arising from the use of this product.