



Commercial 70V In Ceiling Speaker

OSD-C1090VK OSD-C1070V

Introduction:

OSD-C1090VK and OSD-C1070V commercial in ceiling speakers offer you the ability to daisy chain multiple number of speakers using one pair of output from your amplifier or receiver. Physically installing these 70V speakers are the same as regular in ceiling speakers, but only parallel wire connection is applicable in commercial installation.

Function of a 70V Transformer on a Speaker:

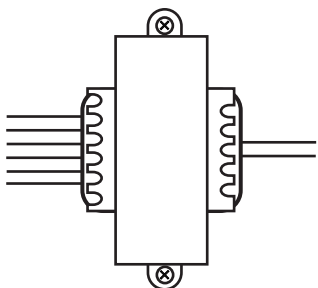
A 70V transformer attached to a speaker protects the speaker and only allows certain wattage to pass through the transformer to activate the speaker depending on the sound requirement. The higher the wattage tap is set or wired, the louder the speaker will be. In addition, this transformer is very efficient on current and protects the system from getting overheated based on wasted power.

Wire Connection on a 70V Speaker:

Connecting the 70V transformer involves in connecting the right color coded wires. Each colored wire's individual wattage tap should be marked on the transformer. Once the proper wire is found, connect it to the positive wire running from your amplifier. Then find the common wire extending from the transformer, usually black and connect it with a wire running back towards the amplifier. (See diagram 1)

Diagram 1

BLK COM
BLU 5W
BRN 2.5W
VIL 1W
ORN 0.5W
GRY 0.25W
SECONDARY
BLK COM
WHT 8OHM



COM BLK
5W RED
2.5W YEL
1W GRN
0.5W BLU
0.25W BRN
HT-7025/5

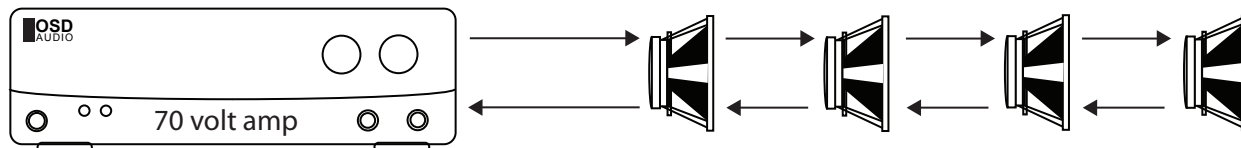
Recommended wattage setting

Noise Level	Decibel	Example	Wattage
Low	55 dB -	Doctor's Office	0.5
	64 dB	Malls and Stores	1
Medium	65 dB -	Restaurant	2
	74 dB	Loading Dock	5
High	75 dB -	Supermarket	5
	82 dB	Factory	7.5
	84 dB	Conveyor Line Layout	10

To Connect the Speakers in parallel:

Commercial Speakers should always be wired in "Parallel Run" and never in "Series Run". In a parallel run, the positive outbound connection of your amplifier or receiver should run to the positive (+) terminal of your first speaker, then from the positive (+) terminal you proceed with wiring to the next speaker's terminal as detailed in diagram 2. The return wiring goes from each common terminal to the next following speaker's on the return run's common terminal until you finish at the amplifier.

Diagram 2



Technical Specifications

Model:	OSD-C1070V
Speaker Type:	8" speaker with 70/25V transformer
Woofers:	8" Dual Polypropylene Cones
Impedance:	8 Ohm
Frequency Response:	40 – 18 kHz
Power Handling:	20W
Transformer:	Dual 70/25V, 5 Watt
70V Tap:	0.25W, 0.5W, 1W, 2.5W, 5W
Diameter x Depth:	12 $\frac{7}{8}$ " x 2 $\frac{7}{8}$ "
Ceiling Cut out:	8 $\frac{1}{4}$ "

Model:	OSD-C1090VK
Speaker Type:	8" speaker with 70/25V transformer featuring volume control
Woofers:	8" Dual Polypropylene Cones
Impedance:	8 Ohm
Frequency Response:	40 – 18 kHz
Power Handling:	20W
Transformer:	Dual 70/25V, 5 Watt
70V Tap:	0.25W, 0.5W, 1W, 2.5W, 5W
Diameter x Depth:	12 $\frac{7}{8}$ " x 3 $\frac{1}{2}$ "
Ceiling Cut out:	8 $\frac{1}{4}$ "

Warranty & Repair

All OSD Audio speaker products have (5) year Limited Warranty against defects in materials and workmanship. Proof of purchase must accompany all claims. During the warranty period OSD will replace any defective part and correct any defect in workmanship without charge for either parts or labor.

OSD Audio may replace returned speakers with a product of equal value and performance. In such cases, some modifications to the mounting may be necessary and are not OSD's responsibility.

For this warranty to apply, the unit must be installed and used according to its written instructions. If necessary, repairs must be performed by OSD. The unit must be returned to OSD at the owner's expense and with prior written permission. Accidental damage and shipping damage are not considered defects, nor is damage resulting from abuse or from servicing performed by an agency or person not specifically authorized in writing by OSD.

OSD Audio sells products only through authorized dealers and distributors to ensure that customers obtain proper support and service. Any OSD product purchased from an unauthorized dealer or other source, including retailers, mail order dealers and online sellers will not be honored or serviced under existing OSD warranty policy. Any sale of product by an unauthorized source or other manner not authorized by OSD shall void the warranty on the applicable product.

Damage to or destruction of components due to application of excessive power voids the warranty on those parts. In these cases, repairs will be made on the basis of the retail value of the parts and labor. To return for repairs, you must email customer service at RMA@osdaudio.com for a Returned Merchandise Authorization (RMA) number# then the unit must be shipped to OSD at the owner's expense, along with a note explaining the nature of service required. Be sure to pack the speaker(s) in a corrugated container with at least 3 inches of resilient material to protect the unit from damage in transit.

This Warranty Does Not Cover:

Damage caused by abuse, accident, misuse, negligence, or improper operation (installation) • Any products that have been altered or modified • Any product whose identifying number of decal, serial #, etc. has been altered, defaced or removed • Normal wear and maintenance.