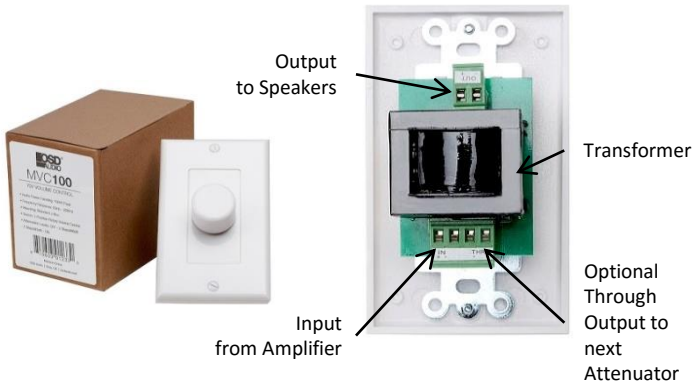
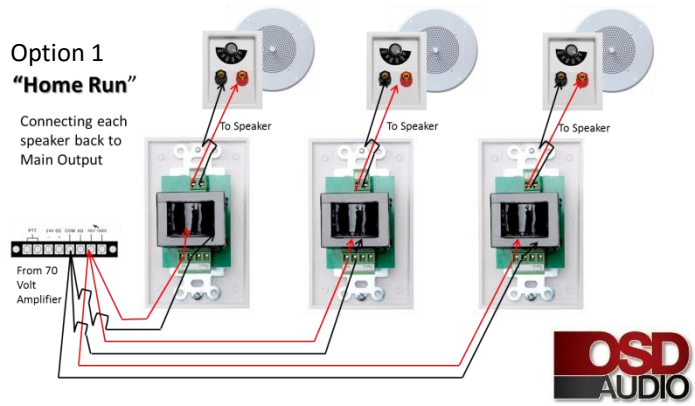
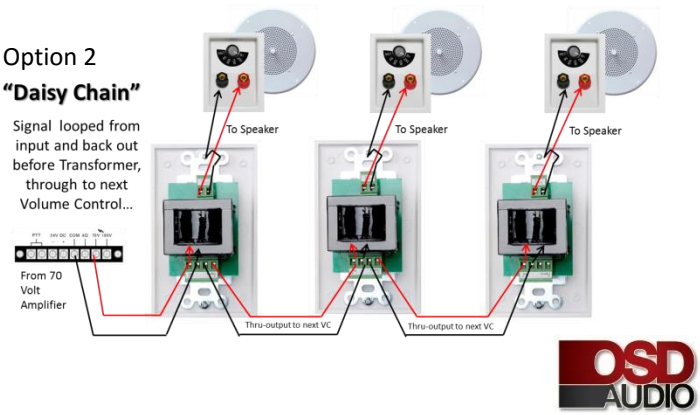
New 70V Attenuators MVC-25, MVC-50 & MVC-100

DECORA® Style 70V Volume Controls/Attenuator







Basic Connections:

1) All speaker connections are in parallel whether the speakers are "home run" individually back to the amplifier; **Option#1** or in a Daisy Chain configuration from one speaker; **Option#2** to the next making sure they are connected in parallel.

Note: the 3 MCV Attenuators feature a convenient through-output to easily connect the speakers in Daisy chain configuration using the thru-put connection (by passing the Transformer) of each Volume Control you use in the chain.

2) The Common and 70Volt outputs of the Amplifier connect to the Common and Input of each Attenuator whether all are coming directly from the Amplifier in "Home Run" or from the Attenuator to the previous Attenuator in the "Daisy Chain"

3) The Common and Output of each Attenuator connects to the Common and desired color coded wattage wire on the Primary of the 70 Volt Transformer. Or the Common and Output of each attenuator connects to the negative (black) and Positive (red) for a speaker with built in transformer. Then the wattage is set with the selector switch (as featured in the images to the left)

4) The 8 ohm secondary (output) wires on the transformer connect to the speaker terminals (Black-/Red+).

5) Then connect the Line or Auxiliary output from your main mixer to the Auxiliary input on the Distribution amplifier.

Power Ratings: MVC-25: 25W,

MVC-50: 50W & **MVC-100:** 100W

Features and Specifications

DECORA style high-quality auto transformer provides advantages of excellent frequency response, low insertion loss and reliable performance for volume control applications in 25 and 70 volt systems. Attenuation is accomplished in ten make before break steps plus positive off position (no stop between maximum and off position to prevent switch damage). The Attenuator features removable input/output terminal blocks, Two in, two out and two optional for through output for daisy chain option. An attractive alternative to Commercial series attenuators mounts into most single gang E.O boxes. UL Listed White, Almond and Ivory Plastic Plates with Matching Skirted Knobs in DECORA® Style

New MVC-25 70V, MVC-50 70V & MVC-100 70V

DECORA® Style 70V Volume Controls/ Attenuator

Each Kit includes color matched White, Almond and Ivory outer plate, DECORA® insert and rotary knob

10 Step, 33dB

Plus Full Off

STEP	ATTENUATION	
10	Full Volume	0dB
9	3dB	minus 3dB
8	3dB	minus 6dB
7	3dB	minus 9dB
6	3dB	minus 12dB
5	3dB	minus 15dB
4	3dB	minus 18dB
3	3dB	minus 21dB
2	6dB	minus 27dB
1	6dB	minus 33dB
0	0dB	Speaker off

Power Rating:

The MVC are rated at 25W, 50W and 100W so the speaker connected to it needs the transformer setting to be equal to or less than the rated watts of each MVC. You can have multiple speakers connected to one MVC but total wattage must be equal to or less than the rated Wattage of the respective MVC that you are using.

Transformer Taps:

For a 70V speaker, whether a in-ceiling or wall mounted speaker you shouldn't require more than Rated watts to produce more than enough sound. Normally to get the volume right you would need to experiment with the separate wattage settings (10w, 5w, 2.5w, 1.25w) at each location to get the volume you desire. It is more flexible to add an attenuator (volume control) for each speaker. If you add an attenuator you would turn it to full volume then select the transformer tap (25 watt for MVC-25, 50 watts for the MVC50 and 100 watts for the MVC100) which gives you the most volume you could want.

Picking the right Distribution Amplifier:

To start with the Amplifier must have a 70Volt output. It must have an output power rating equal to or greater than the total wattage of the system once you have calculated what each speaker should be set to and the total sum of those settings. If you had four speakers at 5 watts each (20 total) and one speaker set to 10 watts (20 + 10 = 30) your amplifier must be rated at least 30 watts minimum. If you had five speakers at 10 watts each (50 total) and another 5 five speakers at 5 watts each (25 + 50 = 75) you would need a amplifier rated at a minimum 75 watts.

Some companies recommend the total should be closer to 90% of the minimum rating of the amplifier. It is also a good idea to install an amplifier with more than enough power in case you want to add more speakers later.

Key Point: *The Power rating of the amplifier is determined by the transformer settings, not the attenuator Rating, The rated power of the Attenuator is based upon the minimum setting of the transformer taps which have to be equal to or less than the rated wattage of the respective MVC Attenuator*

OSD Audio Limited Warranty

OSD Audio will repair or replace any defect it in material or workmanship which occurs during normal use of this product with new or rebuilt parts free of charge in the US for five years from date of original purchase. This warranty does not cover damages in shipment, failure caused by other products not supplied by OSD Audio or failures due to accident, misuse, or alteration of the equipment. This warranty is extended only to the original purchaser and a purchase receipt, invoice or other proof of original date will be required before warranty repairs are provided

Mail in service can be obtained during period by emailing **RMA@osdaudio.com**. A return authorization number must be obtained in advance and be marked on the outside of the shipping carton.

This warranty gives you specific legal rights and may have other rights (which vary from state to state). If a problem with this product develops during or after the warranty period please contact OSD Audio or your dealer