

# INSTALLATION MANUAL



## MONOGIZER™ 200 & MONOGIZER™ 300 w/ OPTIMATCH™

Converts Stereo Signals to Mono.

### SPECIFICATIONS

|                     |  |
|---------------------|--|
| Attenuator Type:    | Tapped auto transformer.   |
| Connector:          | Screw-tight type.  |
| Power Rating:       | 72 Watts RMS continuous, 35 Hz-20 KHz, 216 Watts Audio.<br>100 Watts RMS continuous, 35 Hz-20 KHz, 300 Watts Audio.  |
| Frequency Response: | +0, -1 dB worst case(-6 dB tap), +0, -0.2 dB all other taps, 35 Hz-20 KHz, measured at full power, 8 Ohm load. Most controls better these specifications.                          |
| Transformers:       | Tri-filar wound for flat response and minimum phase shift, grain orientated high silicon steel laminations.  |
| Attenuation:        | -34 dB in 12 steps, 8 steps @ -3 dB each, 1 step @ 4 dB, 1 step @ -6 dB, last step OFF.  |
| OPTIMATCH(tm):      | Will match impedance for almost any situation. Mechanical index permits presetting load impedance multiplication by X4, X8, X16, X32, X64, etc., which can be changed at any time. |
| Mounting:           | 72 Watt version Fits into most standard single gang electrical boxes.<br>100 Watt version requires a double gang box.  |

Your MONOGIZER(tm) is designed to convert Stereo signals to Mono eliminating the need for dual-cone speakers. This unit is not for use on bridged amplifiers.

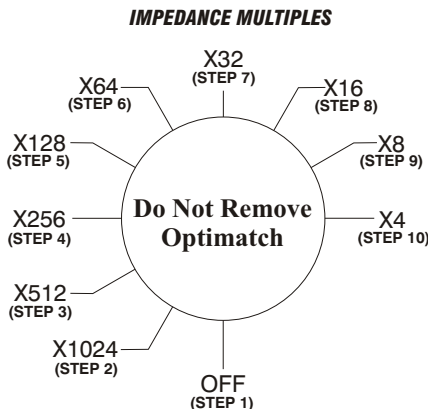
### INSTALLATION

Follow the wiring diagram on the next page for installation of your MONOGIZER™. Prepare the wire leads to and from the MONOGIZER(tm) by stripping about 1/4" of insulation from each of the ends. Twist strands tightly together so that none stick out to cause a possible short. Observe Polarity!

If you are using the impedance matching feature of the OPTIMATCH(tm) control, set the index following the chart below. To set, remove the knob and loosen the nut to reposition the index. Make sure that the index is not between detent positions and tighten.

Install the control in its operating location. The MONOGIZER™ will fit in most double gang junction boxes. (SUGGESTION: Leave control 3 or 4 positions CCW from maximum before firing up the system for the first time to avoid "blasting" the speakers, while still having enough sound to observe operation.

If amplifier balance is adjusted left or right of center, the audio level will go down. The balance control should be kept to center if possible. **CAUTION!** Under no circumstances should this unit be fed with a single channel positive. Both left and right positives must be utilized. The Monogizer should not be attached to your system without a load to it's output, i.e. A speaker or the equivalent wattage dummy load resistor.

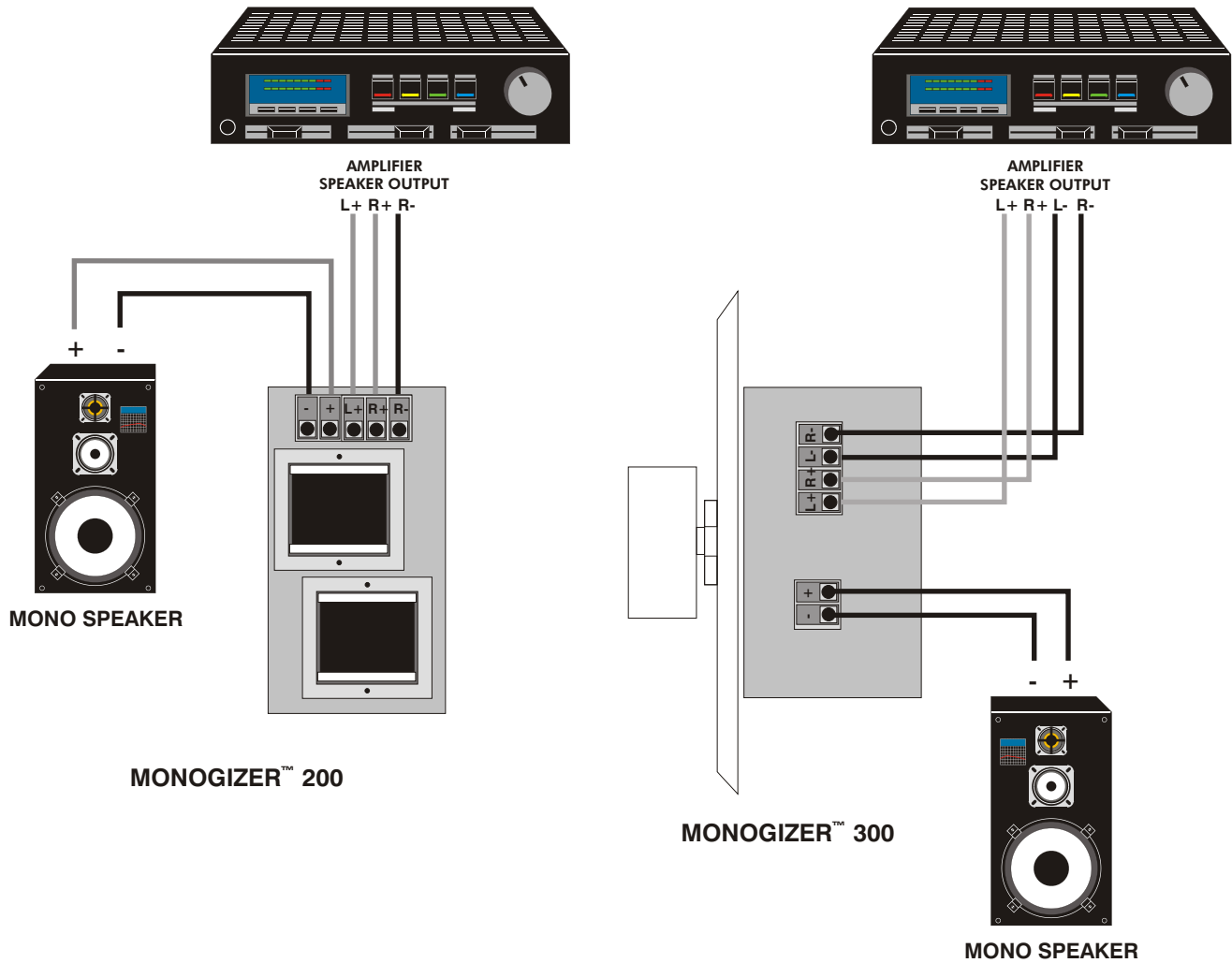


**DEFAULT  
FACTORY  
SETTING**

| #4 Ohm Speakers Per Channel | #8 Ohm Speakers Per Channel | Load (Ohms) | Tap Setting For Matchit(tm) | No. of Available Steps for Optimatch(tm) Controls |
|-----------------------------|-----------------------------|-------------|-----------------------------|---|
|                             | 2                           | 4.0000      | X2                          | 11  |
|                             | 3                           | 2.6667      | X4                          | 10  |
| 2                           | 4                           | 2.0000      | X4                          | 10  |
|                             | 5                           | 1.6000      | X8                          | 9   |
| 3                           | 6                           | 1.3333      | X8                          | 9   |
|                             | 7                           | 1.1429      | X8                          | 9   |
| 4                           | 8                           | 1.0000      | X8                          | 9   |
|                             | 9                           | 0.8889      | X16                         | 8   |
| 5                           | 10                          | 0.8000      | X16                         | 8   |
|                             | 11                          | 0.7273      | X16                         | 8   |
| 6                           | 12                          | 0.6667      | X16                         | 8   |

We do not recommend wiring more than 8 Optimatch(tm) controls in parallel (NOTE: Do not run more than (2)-8 Ohm speakers per channel). In these instances more impedance protection should be inserted before the volume controls. The OC-12 is a good choice in this case.

## WIRING DIAGRAMS



## WARRANTY

Your AUDIOPLEX TECHNOLOGY® MONOGIZER(tm) is covered by a lifetime warranty against any defects in workmanship and materials. Any defects will be remedied without charge for labor or parts.

Damage incurred by shipping or accident is not considered to be a defect, and not covered by this warranty. AUDIOPLEX TECHNOLOGY® is not responsible for defective operation caused by modification or service by any unauthorized person or agency.

The unit must be properly installed and operated according to instructions for the warranty to apply. Any necessary servicing must be done by AUDIOPLEX TECHNOLOGY®. The product must be returned expenses prepaid, with written authorization from the company. The product must be shipped with the proof of purchase and in the original carton and packing material to avoid damage.

This warranty gives you specific legal rights. You may have other rights which vary from state to state.

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### **AUDIOPLEX TECHNOLOGY®**

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