



# **Instruction Manual**

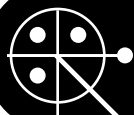
## **OMX-ADA6**

**1x6 Balanced Stereo Audio  
Distribution Amplifier**

**T**hank you for purchasing this Ocean Matrix component. This unit is designed to give you years of trouble free professional operation for your most demanding applications. It is our goal to develop long term partnerships with our customers through our commitment to exceed their expectations.

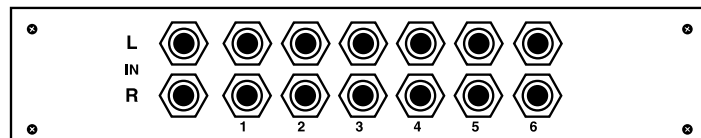
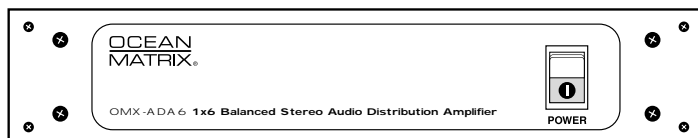
For Repair Information or to view the entire Ocean Matrix product line, please visit our web site.

**[www.oceanmatrix.com](http://www.oceanmatrix.com)**



# OMX-ADA6

## 1x6 Balanced Stereo Audio Distribution Amplifier



The OMX-ADA6 is a high quality, compact 1 X 6 Balanced audio distribution amplifier. With a bandwidth of 30 KHz, this product is perfectly suited for those applications where an audio signal needs to be distributed and fed along balanced lines. Several OMX-ADA6 units can be used to provide “bank feed” signal distribution points in a production facility. The OMX-ADA6 can be used for unbalanced signals as well by simply inserting a tip/ring 1/4” phone plug into the rear panel connector.

### GENERAL OPERATION

The OMX-ADA6 is shipped from the factory already calibrated and ready to use. There is no need for any customer adjustments for normal use of the unit. There are, however, procedures that must be observed in order to assure proper performance of the unit in your system.

### USING UNBALANCED DEVICES

The OMX-ADA6 can be used with unbalanced devices. Simply insert a 1/4” Phone Tip-Sleeve into the input/output connectors and feed to your unbalanced device.

#### 1/4" Tip-Sleeve (Unbalanced) TS



#### 1/4" Tip-Ring-Sleeve (Balanced) TRS



### SPECIFICATIONS

#### AUDIO (per channel) Input:

Balanced, Hi-Z, Bridging (150K)  
0dB Nominal on 1/4" TRS Connectors

#### Outputs:

6 Outputs: 600Ω, Balanced 1/4" TRS  
0dB Nominal (Unity)

#### Gain:

-3dB to +3dB, internally

#### Freq. Resp.:

10Hz - 20KHz, @ 0; -1.2dB

#### S/N Ratio:

85dB: 20Hz - 20KHz

#### Harmonic Distribution:

Less than 0.05%

#### Power Requirements:

110VAC 50/60Hz, 10 Watts (220V Model OMX-EU/ADA6)

#### Dimensions:

1.625"H x 8.25"W x 6"D, Steel Housing

#### Weight:

2.5lbs. (Less Shpg. Carton)

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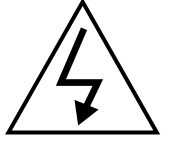


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## **Safety Precautions**



1. To prevent fire or shock hazard, do not expose this equipment to the environment of Humidity and/or dust. Do not use this equipment in an unprotected outdoor installation or any area classified as a wet area.
2. The operating temperature of this product must be kept between -40°C and +95°C. Direct sunlight or an intense source of heat, direct or ambient, must not be introduced to the product either by induction or contact.
3. Always keep the product on a stable and secure base or enclosure. Do not drop the product or subject it to sudden heavy impact.
4. Provide adequate ventilation so that thermal characteristics do not cause an increase in product temperature to resulting in overheating.
5. Do not clean the unit by using electrically conductive or corrosive chemicals. Always be certain to unplug the unit from AC wall power before any major cleaning. Use a damp cloth only for cleaning.
6. Do not subject the product to electrical mains power over voltage: The product must be used at the rated supply voltages indicated on the product rear panel only.
7. Do not plug the product into an overloaded electrical outlet. This may result in fire or electrical shock.
8. Object Ingress and Liquid Entry: Never insert or push sharp metal objects into the product or use such devices for an attempt at opening or servicing the product. Servicing should be referred to a trained and qualified technician only. Do not allow liquid of any type to enter the unit. Do not allow the unit to be submersed in water as this may cause a shock hazard.
9. A trained qualified technician should perform all servicing of the unit. There are no serviceable components within the unit for user access.

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