



Instruction Manual

Thank you for purchasing an 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.

OMX-7026

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

www.oceanmatrix.com

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1 Introduction

Congratulations on purchasing your OCEAN MATRIX® **OMX-7026 1:8 Audio Distributor**. This product, which comes with a power cord and this instruction manual, is ideal for the following applications:

- Any professional A/V system requiring high quality signal distribution
- Audio duplication facilities
- Recording studios
- Broadcast studios for on-line signal distribution

2 Getting Started

We recommend that you:

- Unpack the equipment carefully and save the original box and packaging materials for possible future shipment
- Review the contents of this instruction manual

3 Overview

The broadcast quality **OMX-7026 1:8 Audio Distributor** is a distribution amplifier (DA) for balanced stereo audio signals. In particular, the **OMX-7026**:

- Provides identical outputs to drive audio amplifiers, mixers, or other receiving devices
- Can be configured as a 1:8 DA or as a 2 x 1:4 DA
- Includes easy-to-connect detachable terminal block connectors
- Includes front panel trimmers for fine-tuning the left and right output levels

Achieving the best performance means:

- Connecting only good quality connection cables, thus avoiding interference, deterioration in signal quality due to poor matching, and elevated noise levels (often associated with low quality cables)
- Avoiding interference from neighboring electrical appliances that may adversely influence signal quality and positioning your **OMX-7026** in a location free from moisture and away from excessive sunlight and dust

4 Your Audio Distributor

Figure 1 and Tables 1 and 2 define the **OMX-7026**:

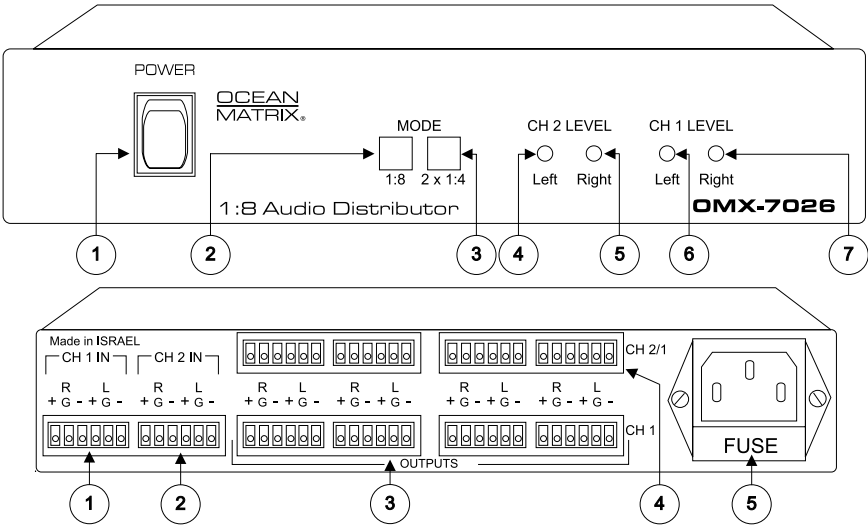


Figure 1: OMX-7026 1:8 Audio Distributor

Table 1: Front Panel Features and Functions of the OMX-7026

#	Feature	Function
1	POWER Switch	Illuminated switch supplying power to the unit
2	1:8 MODE Button	Pressing splits Channel "1" input to all 8 outputs
3	2 x 1:4 MODE Button	Pressing splits inputs from Channels "1" and "2" to output Channels "1" and "2"
4	CH 2 LEVEL Left Trimmer	Adjusts Channel "2" (left) output level
5	CH 2 LEVEL Right Trimmer	Adjusts Channel "2" (right) output level
6	CH 1 LEVEL Left Trimmer	Adjusts Channel "1" (left) output level
7	CH 1 LEVEL Right Trimmer	Adjusts Channel "1" (right) output level

Table 2: Rear Panel Features and Functions of the OMX-7026

#	Feature	Function
1	CH 1 IN (R and L) Terminal Block Connectors	Connect to the balanced stereo audio source
2	CH 2 IN (R and L) Terminal Block Connectors	Connect to the balanced stereo audio source
3	CH 1 OUTPUTS (R and L) Terminal Block Connectors	Connect to the amplified and buffered acceptors
4	CH 2/1 OUTPUTS (R and L) Terminal Block Connectors	Connect to the amplified and buffered acceptors
5	Power Connector with FUSE	AC connector enabling power supply to the unit

5 Connecting the Audio Distributor

To connect an **OMX-7026 1:8 Audio Distributor** unit, do the following:

1. Connect the balanced stereo audio sources to the appropriate terminal block input connectors.

2. Connect the terminal block output connectors to the amplified and buffered acceptors.
3. Connect the power cord.
Press the *1:8 MODE* button or the *2 x 1:4 MODE* button to select the desired mode of operation.

6 Technical Specifications

Table 3 includes the technical specifications:

Table 3: Technical Specifications of the OMX-7026 1:8 Audio Distributor

Inputs:	2 balanced audio stereo +4dBm, 100 k Ω on terminal block connectors
Outputs:	2 x 4 balanced audio stereo, +4dBm, 50 Ω on terminal block connectors
Audio Bandwidth:	20 kHz -1dB
Coupling:	AC
THD+Noise:	Less than 0.02%
Crosstalk:	- 60 dB
S/N Ratio:	100 dB / 1V
Max. Audio Output:	20 Vpp
Power Source:	230 VAC, 50 / 60 Hz (115 VAC U.S.A.) 6.7 VA
Dimensions:	22 cm x 18 cm x 4.5 cm (8.7" x 7" x 1.7"), W, D, H
Weight:	1.2 kg. (2.7 lbs.) approx.
Accessories:	Detachable AC power cord