

The CMP-300 Composite Mixer Distribution System



The solution for not enough inputs or outputs ...

The CMP-300 was developed by our engineers to solve the problem of not having enough inputs or outputs for base band signals. Many stations are adding subcarriers and RBDS services and have excitors without the proper number of inputs. The CMP-300 has three balanced or unbalanced inputs that can easily mix composite stereo, subcarrier and/or RBDS Signals. The unit has a three output distribution amplifier so that the mixed signals can be distributed to up to three excitors or STLs. Each input is rear panel switchable for balanced or unbalanced operation. Each output is capable of driving a 50 ohm load as far away as 100 feet from the unit because we incorporated a heavy duty line driver in the design. The front panel has provision for level control of inputs and outputs giving you complete flexibility.

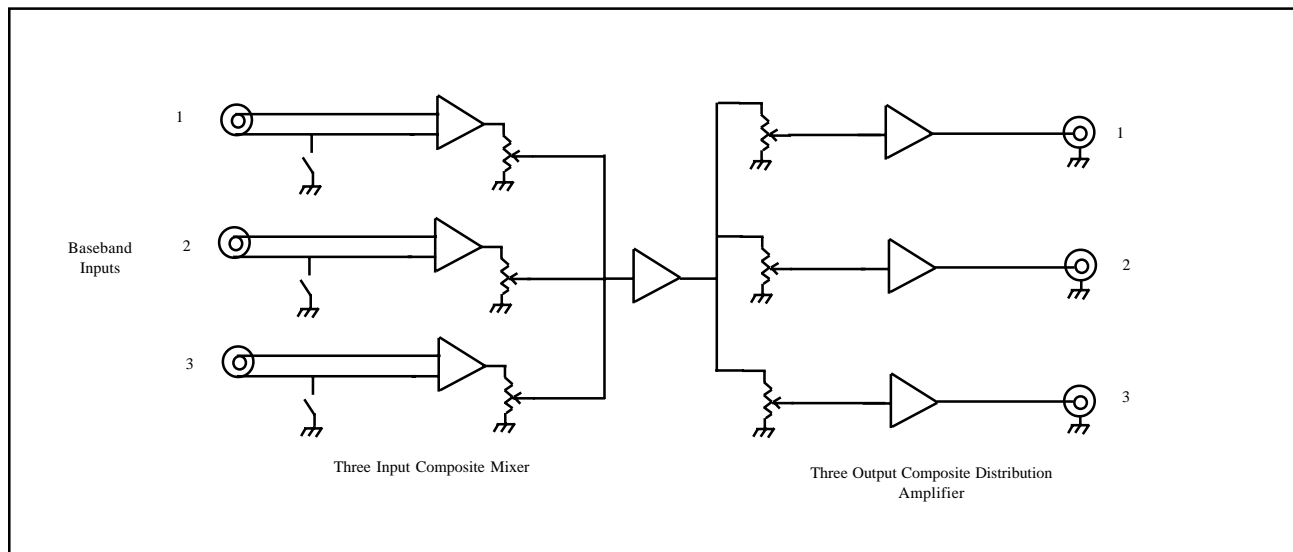
BDI has been a leader in producing composite audio products for many years and the CMP-300 is a third generation development that was designed to help broadcasters meet the demands of today's broadcasting environment while keeping budgets intact. Call us today for applications assistance or call your favorite broadcast equipment dealer to order.



Broadcast Devices, Inc.

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System Simplified Block Diagram and Specifications



Technical Specifications

Inputs:	3-Balanced or unbalanced 10K input impedance
Outputs:	3- Unbalanced 50 ohm
Maximum Output Level:	10 V Peak to Peak into 50 Ohm load all outputs
Frequency Response:	+/- 0.1 dB from 20 Hz. to 100 KHz.
Total Harmonic Distortion:	Less than 0.02 % @ 400 Hz.
Signal to Noise Ratio:	80 dB or greater referenced to 3.5 V P to P Output
Power Requirements:	120/240 VAC @0.25A. 50-60 Hertz.
Physical Dimensions:	19" W X 10" D X 1.75"H Standard EIA 1 R.U.
Environmental:	0 - 60 degrees C. non condensing atmosphere



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