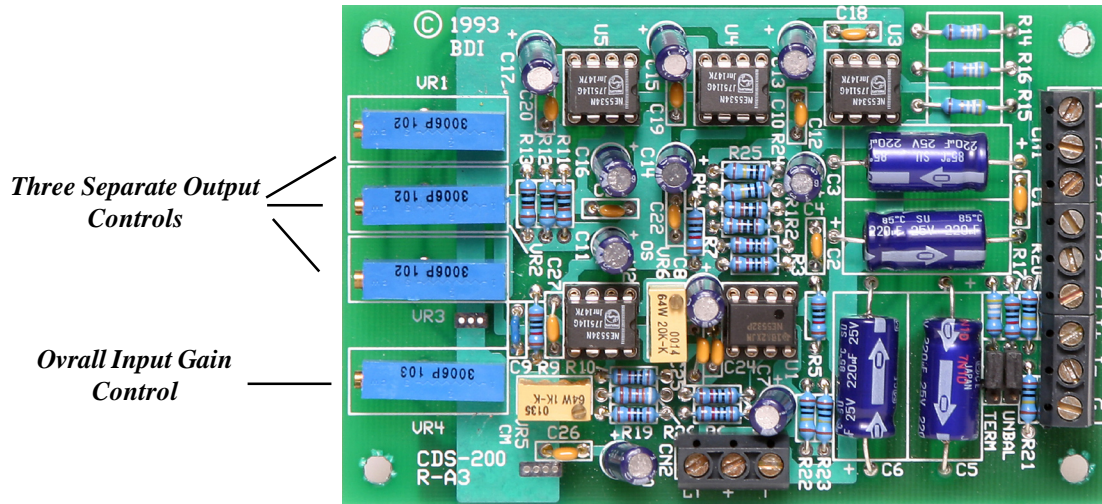


# The CDS-200 Balancing Act!



## The CDS-200 Active Transformer/Distribution Amplifier Module

The CDS-200 Active Transformer/Distribution Amplifier Module is a balanced instrumentation amplifier designed to accept balanced audio and distribute it to three unbalanced outputs. Use the CDS-200 in any application where a transformer would be used but unlike a transformer the CDS-200 provides three isolated outputs with gain. Each output has a separate gain control and there is an overall gain control of the balanced input too. The CDS-200 is compensated for best common mode rejection at 60 hertz and D.C. offset. All of the best virtues of a transformer without the ringing and overshoot normally associated with transformers. Of course there are other active transformers in a box available but the CDS-200 provides the best performance vs. cost. Other manufacturers use single amplifiers for their balanced inputs. Three amplifier designs provide superior common mode rejection. Some manufacturers don't even specify CMRR. There's a good reason too. They can't do better than about -45 dB. The CDS-200 guarantees over 80 dB of common mode rejection at 60 hertz. The CDS-200 is extremely wide band too. We guarantee the CDS-200 to be within 0.05 dB from 10 Hertz to 100 KHz. The extra bandwidth means that the CDS-200 produces excellent square wave response. An excellent use for the CDS-200 is to balance up the inputs to a "prosumer" audio console which are popular today. Remember that you still have two more outputs when you are done with that job!

The CDS-200 requires +/- 15VDC at 200 mA to operate and most any supply will do. We offer a regulated power supply and transformer if a power source is not available. Our power supply is not a so called "wall wart" either. It is a true regulated supply capable of providing enough regulated current to supply at least 6 CDS-200 modules. So, if you need more than one balancing act you can run multiple modules from the same power supply. Please review the complete technical specifications on the reverse side of this brochure. If you have any applications questions regarding our products feel free to call us or send us an email we will be glad to assist you in choosing the right products for your application.



**Broadcast Devices, Inc.**

5 Crestview Avenue, Cortlandt Manor, NY 10567 Tel. (914) 737-5032 Fax (914) 736-6916  
email: Sales@Broadcast-Devices.com Website: www.Broadcast-Devices.com

## Technical Specifications

<b>Number of inputs:</b>	<b>1 - balanced</b>
<b>Number of outputs:</b>	<b>3 - unbalanced</b>
<b>Nominal input level:</b>	<b>+4 dBm line level</b>
<b>Output level:</b>	<b>-20 to +8 dBm unbalanced fully adjustable all outputs</b>
<b>Maximum output level:</b>	<b>+ 20 dBm</b>
<b>Frequency response:</b>	<b>+/- 0.05 dB from 20 hertz to 100 KHz</b>
<b>Total harmonic distortion:</b>	<b>less than 0.05% @ 400 hertz line level input</b>
<b>Inter modulation distortion:</b>	<b>less than 0.05@ Smpte 4:1 standard test frequencies</b>
<b>System noise:</b>	<b>better than -70 dB from nominal input any channel</b>
<b>Mounting:</b>	<b>four holes provided</b>
<b>Connector:</b>	<b>screw clamp for all connections</b>
<b>Power requirements:</b>	<b>+/- 15 - 18 VDC @ 150 mA</b>
<b>Environmental:</b>	<b>0 - 60 degrees C. non condensing atmosphere</b>



Authorized Distributor: