The CDS-302 accepts two composite baseband FM Stereo signals and distributes the selected input to up to three 50 ohm loads. Because the unit has an on board silence sensor it can automatically detect the loss of audio and switch to the alternate path. Other important features include our exclusive RBDS loop through feature. With the flip of a switch you can route the selected incoming baseband signal out to an RBDS generator where the RBDS signal can be added and locked to the incoming composite audio where it is then routed back into the unit for application to the distribution amplifier. Make sure your newest processor and RBDS generator are always on whichever transmitter is on the air. With the CDS-302 you only need one RBDS generator - saving you money. Processors can lock up and when they do you can automatically or manually switch to a backup processor. Are you worried about signal integrity? The CDS-302 has a D.C. coupled signal path. This means your composite audio will arrive at the exciter without overshoot or phase delay. In addition the unit has the ability to accept balanced or unbalanced inputs with the flip of a switch. Are your levels different between exciters? The CDS-302 has individual output level controls for level trimming to each exciter. Other uses include main/standby RBDS or SCA generator switching and distribution. The CDS-302 has a minimum useable bandwidth of 100 KHz.

- Accepts 2 Composite Baseband FM Stereo balanced or unbalanced Inputs
- D.C. Coupled Signal Path for transparent handling of baseband signals
- RBDS Loop through—keeps RBDS locked and added to either composite input
- 3 Output Distribution Amplifier with individual level controls
- Automatically switches between inputs upon silence—user adjustable 30 or 60 seconds
- Accepts optional BDI model CTD-1 module to provide decoded AES3 or analog replica of incoming baseband—See block diagram on page 2
- 19” single R.U. chassis with integrated 120/240 VAC power supply
## Technical Specifications

### Inputs:
- 2—BNC balanced or unbalanced 10K or 50 ohms

### Outputs:
- 3—balanced 50 ohm BNC 2 rear 1 front panel

### Maximum Output Level:
- 4 V PP into 50 ohms, 10 V PP into bridging 10K load

### Frequency Response:
- +/- 0.07 dB 1 Hz—53 KHz, +/- 0.1 dB 53-100 KHz

### Total Harmonic Distortion:
- 0.05% or less at 1 KHz 4 V PP into 50 ohms

### IMD Distortion:
- 0.05% or less using SMPTE 4:1 Method

### Remote Control/Status:
- Via DB9F connector—momentary input select, error reset, NC/C/NO dry status of channel selected, error status

### Silence Sensor:
- 30 or 60 seconds user defined

### Electrical Requirements:
- 100-240 VAC 50-60 Hertz @ 0.25A. EIC Power Entry Cord

### Physical Specifications:
- 19” W X 8.25” D X 1.75” H—Standard EIA Rack Enclosure Mount

### Environmental Requirements:
- 0-55 degrees C non condensing atmosphere

### Shipping Carton Dimensions/Weight:
- 22” L X 14” W X 7” H, 7 lbs.

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**CDS-302 Block Diagram shown with optional CTD-1 Module**