



Tech Talk Application Note #8©



Use the AES-302 to Supply Delayed or Non Delayed audio to Your Legacy Analog Transmitter with Analog or Digital Input

Application: Provide bypass around delayed AES audio fed to a legacy analog transmitter operated in conjunction with an IBOC transmitter. Feed delayed and non delayed audio source to the AES-302 and take the output and feed to analog processing and/or transmitter exciter.

Benefits: Provides automatic switchover in the event of a failure of the delayed audio feed. Can be remote controlled switched to provide live feed to transmitter for sporting events, call in shows or any time it is desirable to have a real time feed to the analog transmitter. The AES-302 provides up to four AES3 outputs and a balanced left/right XLR output to feed legacy audio processors.

How it Works: Simply connect a delayed feed to the A input and a non delayed AES3 feed to the B input. Connect the AES-302 output to the analog transmitter processing chain. For legacy processors with analog input the AES-302 features a balanced +4 dBm analog left/right output. For newer processors the AES-302 has a four output digital DA output.

For normal delayed feed to the analog transmitter select position A and place the AES-302 in the “Auto” mode. If a failure occurs in the delayed feed, the AES-302 will automatically switch over to the non delayed AES3 feed.

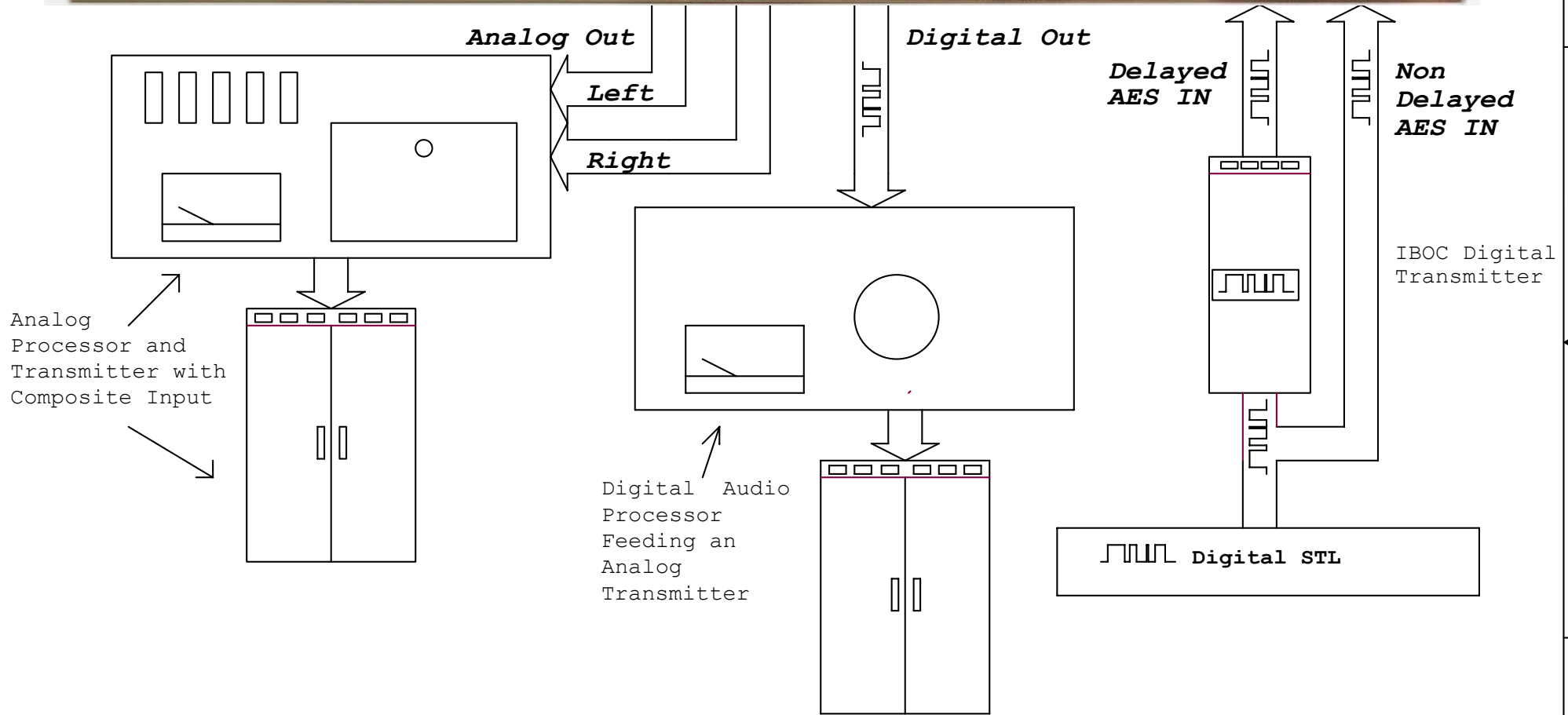
For intentional bypass of the delayed feed, remotely or from the front panel select the B input.

See the accompanying diagram on the next page for basic signal path and hook up suggestions

Note:

For any application feel free to call or email us for further information. Telephone – (914) 737-5032 or email us at Techsupport@Broadcast-Devices.com

AES-302 Rear Panel View



BDI Tech Talk Application Note

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AES-302 Used to Select Delayed or Non delayed Audio

Call BDI Applications Engineering at (914) 737-5032 or email to: TechSupport@Broadcast-Devices.com

