AES-302 Internal Block Diagram

Main Studio

Back up Studio

AES IN A

AES IN B

Remote Control

5
9
4
8
3
7
2
6
1

AES RCVR.

AES XMTR.

Logic/ Remote Ctrl.

D/A Converter

AES DA

AES OUT 1

AES OUT 2

AES OUT 3

AES OUT 4

Main Codec To IBOC

Main 10 Sec. Delay Analog Feed

Back up Codec To IBOC
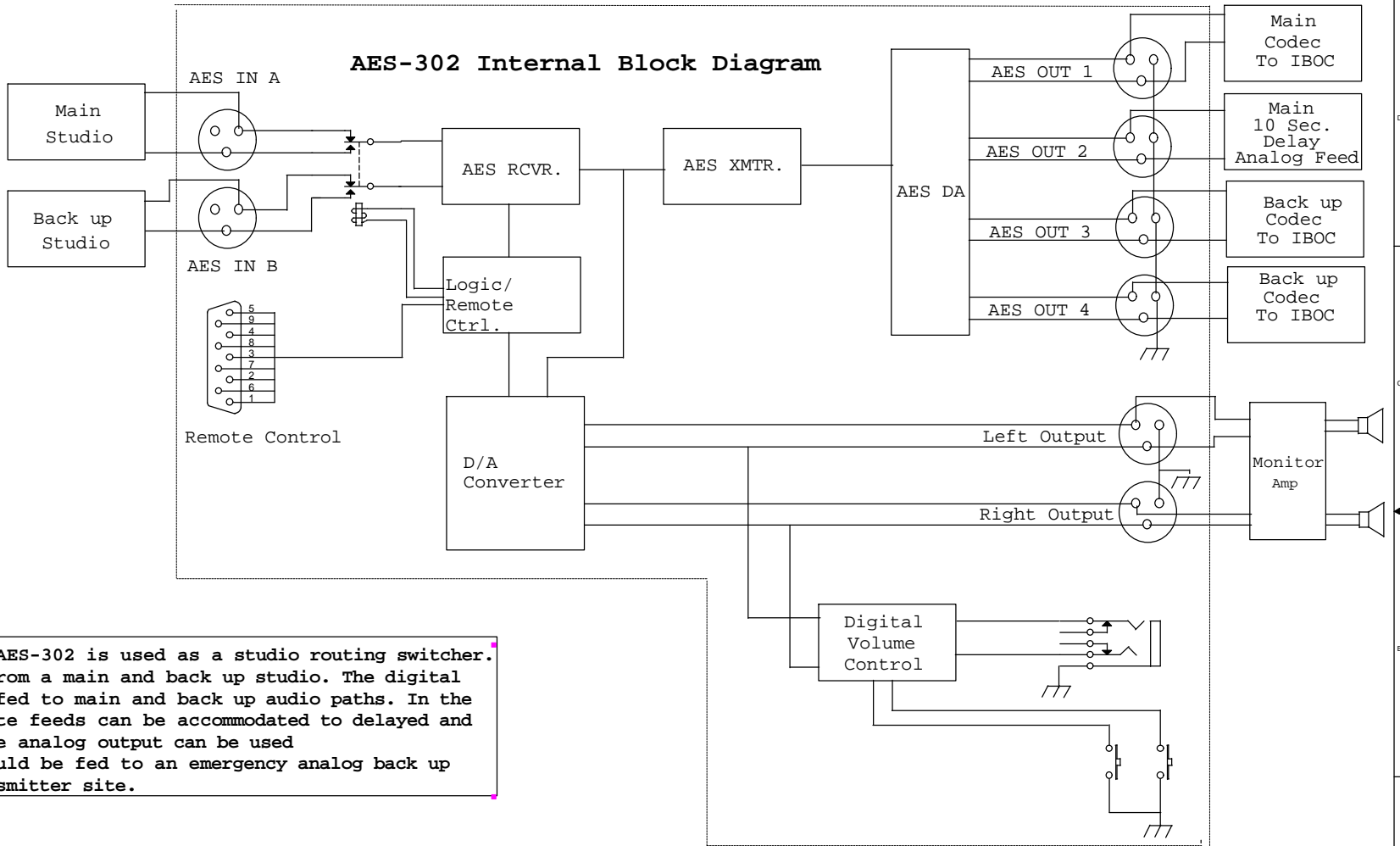
Back up Codec To IBOC

Left Output

Right Output

Monitor Amp

Digital Volume Control

In this example the AES-302 is used as a studio routing switcher. The inputs are fed from a main and back up studio. The digital outputs can then be fed to main and back up audio paths. In the case of IBOC, separate feeds can be accommodated to delayed and non delayed paths.The analog output can be used
for monitoring or could be fed to an emergency analog back up tie line to the transmitter site.

BDI Tech Talk Application Note
AES-302 Application 2
Studio Audio Source Selector

bdi

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