bdi

Tech Talk Application Note #4©

Application: Using the AES-302 Digital Audio Switcher/DA with the Telos© Xstream Codec.
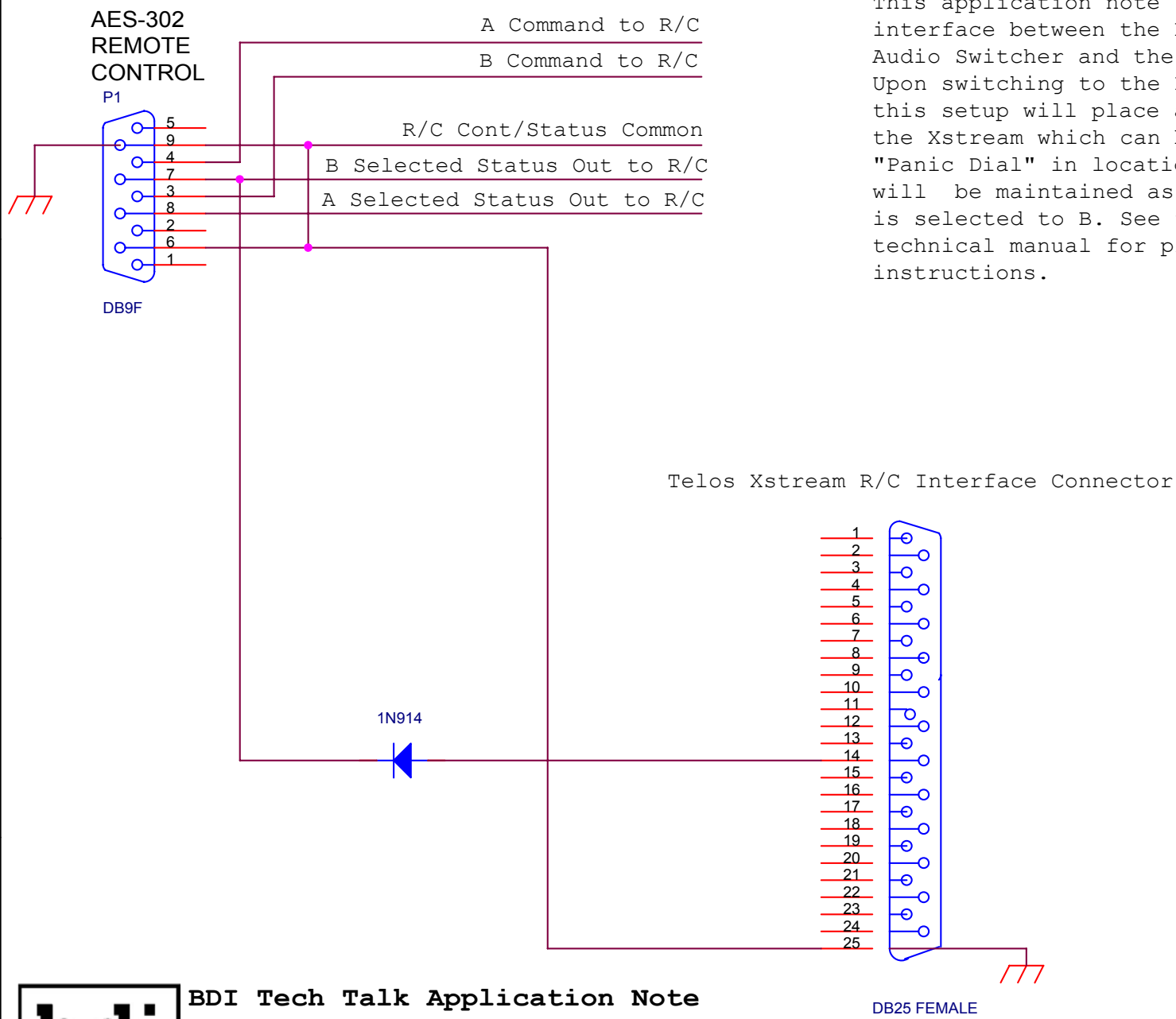
Benefits: By interfacing the AES-302 to a Telos Xstream a back up audio path can be created economically using a dial up codec.

Application Note: The accompanying diagram shows the suggested remote control interface between the BDI AES-302 and the Telos Xstream digital audio codec. If the main feed fails, the AES-302 will switch to the B input which in turn will provide a maintained ground to the Telos codec. By use of the 1N914 diode the Xstream unit is isolated from the normal remote control status which is still available for use. The Telos codec can then be preprogrammed to panic dial out to a back up feed. In this example, panic dial 0 is shown wired. Any of the panic dial positions can be used if desired. Consult the Telos technical documentation for proper pin connection for the desired panic dial position and programming instructions. Once the primary feed is restored and the AES-302 is commanded back to the A position, the maintained ground supplied to the Telos unit will be removed commanding it to drop the connection. If the AES-302 is commanded manually to switch to the B input, the process is the same. The AES-302 provides a ground closure to command the Telos unit to panic dial.You can make the suggested interface cable for this application or a manufactured interface cable is available from Broadcast Devices, Inc. Please contact the factory for pricing and availability.

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

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5   4   3   2   1

AES-302 REMOTE CONTROL

P1

A Command to R/C

B Command to R/C

R/C Cont/Status Common

B Selected Status Out to R/C

A Selected Status Out to R/C

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DB9F

This application note shows the recommended interface between the BDI AES-302 Digital Audio Switcher and the Telos Xstream Codec. Upon switching to the B input by the AES-302 this setup will place a ground on Pin 7 of the Xstream which can be programmed to "Panic Dial" in location "0". The connection will be maintained as long as the AES-302 is selected to B. See the Telos Xstream technical manual for programming instructions.

Telos Xstream R/C Interface Connector

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1N914

DB25 FEMALE

BDI Tech Talk Application Note

AES-302 Application 4

AES-302/Telos Xstream Interface

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