

AES/ EBU Changeover Switch

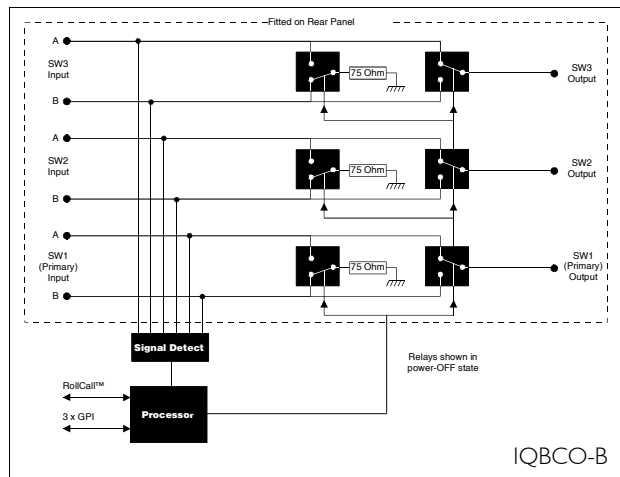
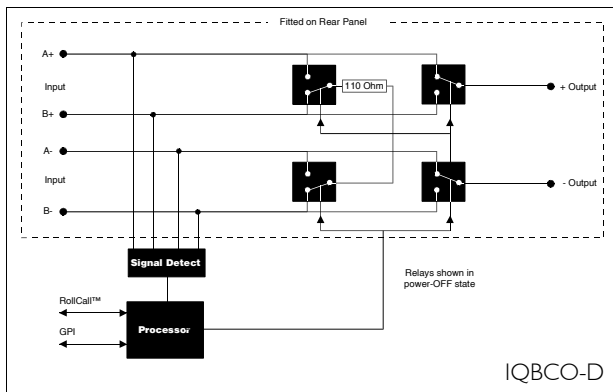
The IQBCO is a passive AES/ EBU audio changeover switch with AES audio presence detection. Both inputs are monitored for signal presence and channel status. The condition for switch over may be programmed to be signal loss or a change in channel status. Three GPI/O's are available to provide additional trigger inputs or tally outputs. RollTrack can also be used to trigger to/ from another unit on the network. In event of power loss input A is automatically selected. For additional security the relay switch is mounted in the rear panel assembly thus enabling the module to be removed from the chassis without breaking the connectivity of input A to output.

Does this module suit your application?

- Automatic switch over on programmable condition(s)
- Continuity (A input) maintained with power loss or module removal
- Three programmable GPI/O's for control or tally
- Programmable switch over time delay
- Passive unbalanced AES audio changeover switch (-B)
- Passive balanced AES audio changeover switch (-D)
- RollCall remote and card edge control
- RollCall error logging
- Changeover switch status control available via RollTrack

Why should you choose this module?

- Ideal for conditions where switch over needs to be fully programmable. For example, carrier loss, the absence of embedded audio or any logical combination of conditions may trigger switchover
- Three programmable GPI/O's are available for external control or tally
- Relays mounted on the rear panel assembly ensure signal integrity (A input) is maintained in case of power loss or module removal
- Status changes can be linked to/ from other changeover switches via RollTrack



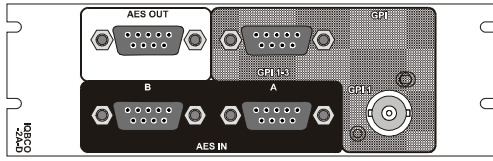
Code 'A' Order Codes

IQH3A-E-O, IQH3A-E-P,
IQH3A-N-O, IQH3A-N-P

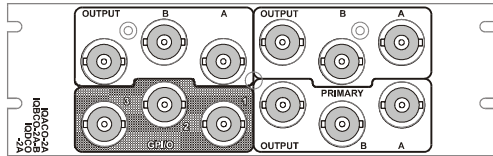


Although IQ modules are interchangeable between enclosures, their rear panels are enclosure specific. Code 'A' order codes must be used when installing modules in the IQH3A enclosure shown in Fig 1. Non 'A' order codes relate to all other Snell & Wilcox IQ modular enclosures. Please take time to ensure that the compatible order code is selected to match the chosen enclosure.

Order codes for IQH3A enclosures (Code 'A')

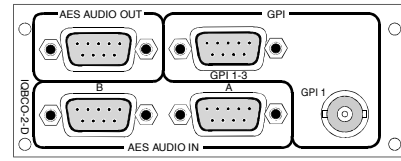


IQBCO-2A-D AES/EBU audio changeover switch. Balanced. 1 primary switch

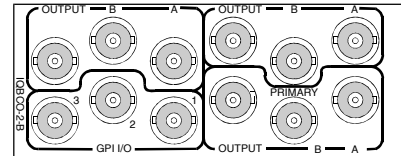


IQBCO-2A-B AES/EBU audio changeover switch. Unbalanced. 1 primary, 2 secondary switches

Order codes for other enclosures



IQBCO-2-D AES/EBU audio changeover switch. Balanced. 1 primary switch



IQBCO-2-B AES/EBU audio changeover switch. Unbalanced. 1 primary, 2 secondary switches

Inputs & Outputs

Signal Inputs

Digital Audio Input (Balanced –D versions)
2 per channel (1 channel) AES/EBU
via 2x9 way D Connector

Digital Audio Input (Unbalanced –B versions)
2 per channel (3 channels) AES/EBU
via BNC Connectors

Standards.....AES3–1992

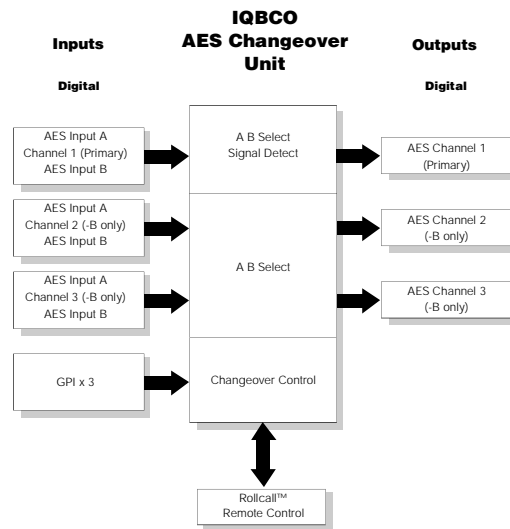
Signal Outputs (Passive)

Digital Audio (Balanced –D versions)
1 per channel (1 channel) AES/EBU
via 1x9 way D Connector

Digital Audio (Unbalanced –B versions)
1 per channel (3 channels) AES/EBU
via BNC Connectors

Standards.....AES3–1992

GPI I/O3 x closing contact via BNC/9 way D Connector



Card Edge & RollCall Functions

Card Edge Controls (also available via RollCall)

Switch mode.....Manual / Auto (Audio Loss only)

Manual switchA / B

Local.....Selects default mode (cancels any RollCall programmed conditions)

Indicators

Power O.K.

Input Loss A

Input Loss B

Functions Available via RollCall™ Only

Switch condition.....Any logical combination of warnings and GPI triggers

GPI/O program.....Tally any input state or warning or set as trigger

Switch delay0 to 10s from trigger condition(s)

Reporting & Logging.....Input Loss; Channel Status Monitoring

