



Modes of operation

- Main S:** main stereo input routed to stereo output
- Main L:** left channel of main input routed to both output channels
- Main R:** right channel of main input routed to both output channels
- Standby S:** standby stereo input routed to stereo output
- Standby L:** left channel of standby input routed to both output channels
- Standby R:** right channel of standby input routed to both output channels
- Local:** local stereo input routed to stereo output

Connections

- Audio inputs:** 3 x stereo pairs, balanced, Neutrik female XLRs
- Audio outputs:** 1 x stereo pair, balanced, Neutrik male XLRs

Alarms and Logic I/O

- Local control:** 9-way male D-type with Start and Stop pulses available on uncommitted opto-isolated transistors. +12V and 0V are also available.

15-way male D-type connector carrying:

- 10 x open-collector status outputs rated at 30V, 50mA
- Power On output (closing pair to 0V)
- Power Off output (closing pair to 0V)
- Standby Override input (+5 to +18V, active high, <1mA)
- Standby Override input (closing pair to 0V)

Technical Specification

- Audio input impedance:** >20k ohms
- Audio output impedance:** <1 ohm
- Gain:** 0dB±0.5dB (selectable +10dB on local inputs)
- Distortion (THD):** <0.005% (0dBu, 1kHz input)
- Noise:** <-100dB (relative to +8dBu input, unweighted)
- Common-mode rejection:** >50dB
- Frequency response:** ±0.25dB (20Hz to 20kHz)
- Crosstalk (L-R):** <-100dB (100Hz to 10kHz)
- Max. signal level:** +25dBu
- Power requirements:** 230 V AC 50Hz, 10VA (115V available to order) IEC Male
- Case details:** 1U 19" rack mounting, overall depth 165mm

Guard Dog Programme Monitor

An intelligent programme monitor and source selector, the Alice Guard Dog uses micro-processor technology to provide peace of mind when audio is being sent to a remote location. It is ideally suited to STL links where programme integrity can be maintained even in the most extreme cases of source interruption.

Situated at the far end of the link, the Guard Dog continuously monitors three sets of electronically-balanced, prioritised stereo inputs – main, standby and local. A failure of left or right audio only will quickly result in a mono feed to both outputs; should there be a complete failure of the main feed, the Guard Dog will switch to the standby inputs. Comprehensive logic outputs allow the new generation of autodialing ISDN CODECs to be triggered – remote telemetry can also be informed of the failure.

In the event of the standby service suffering problems, a third source is available. The Guard Dog can take complete control of an on-site CD player (single or multi-disc), cycling however many discs are available. In this way – whatever the duration of the fault – embarrassing periods of “dead air” can be avoided completely. For shorter periods, a cassette player can be used and an internally selectable extra 10dB of input gain accommodates semi-pro equipment. If at any point the main or standby services are restored, they will be immediately routed back to the output.

Both standby and local overrides are available allowing user-intervention via telemetry or onsite.

High-quality solid-state switching is employed with the audio path remaining balanced throughout for minimal signal degradation. Selective filtering allows enhanced discrimination between valid audio signals and noise produced by source failure, preventing spurious source changes.

The unit will respond to any fault with corrective action within 60 seconds.