



AD903



YL908

## Features

The AD903 2 to 4 wire adapter allows connection of almost any audio source to a Tecpro ring intercom 2 wire system. For example, most broadcast video cameras have in-built 4 wire comms systems which are cabled within the main video cable. Use of an AD903 at the camera control unit will allow that camera to appear as a part of the Tecpro communication system, while minimising extra wiring and expense. The AD903 will work with most separate send and receive communications systems in the same way. Levels are totally independently adjustable on input or output.

Other applications include injection of microphone or line level external inputs onto the comms system, and the provision for external equipment such as recorders, radio links, audio consoles or paging systems to listen to the comms system.

### 2 wire to 4 wire interface

- Input and output on 4-wire side are transformer balanced, isolated and floating - reduces likelihood of hum and interference
- Very wide input and output ranges - will interface to mic or line level systems
- Sidetone null adjustment to minimise input to output cross talk
- All presets are multiturn types for easy adjustment
- Industry standard XLR type connectors

## The Tecpro Communication System

Tecpro is a 'two wire' or, as it is sometimes known, 'party-line' or 'ring' system which enables a number of people to take part in the same conversation. Each participant can hear all other participants on the same circuit while being able to talk to them simultaneously, so a full 'duplex' conversation can take place – similar to a telephone system.

The major applications for these systems are in the theatre, conference, live performance and broadcast markets, though new applications are constantly emerging.

A basic Tecpro communication system would comprise a power supply and two or more outstations or belt packs. An outstation may be wall mounted, free-standing or mounted in a rack. It will usually have a built-in loudspeaker and possibly a microphone. Belt packs are intended for personal use and work only with a headset. Outstations and belt packs connect together with two core screened microphone cable which carries system power, audio, and various control signals. Most have a 3-pin XLR input and output and can be simply daisy-chained together. Alternatively interconnection can radiate out from a central, passive splitter. A combination of both methods is often used.

More complex systems may use a master station which has two in-built power supplies and offers two independent communication circuits, A and B. Participants in a conversation on circuit A cannot communicate with those on circuit B (unless the two circuits are linked at the Master Station). However the person operating the master station can communicate with circuits A and B separately or together.



## TECHNICAL SPECIFICATION - AD903 AUXILIARY INPUT & OUTPUT ADAPTER

Power requirements.....	24-30v DC at 15mA from comms system
External input.....	-60 to +30dBu into 10k ohm nominal, balanced and floating
External output.....	-60 to +18dBu into 10k ohm nominal source, balanced and floating
Connections.....	4 wire via XLR 4 pin male Intercom ring (2-wire) via XLR 3 pin male and female (loop-through)
Controls.....	Mic/line switches and 10 turn presets to external system input and output Sidetone null: 10 turn preset
Dimensions.....	107 x93 x50mm
Weight.....	420g
Construction.....	Black anodised extruded case with glassfilled nylon bezels for protection.
Accessory cable.....	'Y' lead YL908 has 4 pin female XLR splitting to one male and one female 3 pin XLR, for 4 wire connection.

## OTHER TECPRO PRODUCTS

**MS741 MASTER STATION** - Combined power supply and 2 circuit station

**ME742 MASTER STATION EXTENDER** - Combined power supply and 2 circuit extender unit

**MS 745 MASTER STATION** - Basic combined power supply and 2 circuit station

**PS711 3 CIRCUIT POWER SUPPLY**

**PS713 BATTERY POWER UNIT**

**BA905 BOOST ADAPTOR**

**BP111 BELTPACK HEADSET OUTSTATIONS** - Single circuit

**BP112 and BP113 BELTPACK HEADSET OUTSTATIONS** - Dual circuit (switchable)

**BP114 and BP115 BELTPACK HEADSET OUTSTATIONS** - Dual circuit (monaural)

**BP116 and BP117 BELTPACK HEADSET OUTSTATION** - Dual circuit (binaural)

**HS120 SERIES HEADSET OUTSTATIONS** - Fixed headset outstations for permanent installations

**LS300 SERIES TALKBACK LOUDSPEAKER STATIONS**

**LS SERIES PAGING LOUDSPEAKER STATIONS**

**SL909 XENON STROBE LAMP**

**CONNECTION ACCESSORIES** - Standard cables and special function cables

**YL916 HEADSET OUTSTATION 'Y' LEAD**

**AD913 SIMPLEX RADIO ADAPTER**

**SB901 SPLITTER / ISOLATOR BOX**

**L1906 LINE ISOLATOR**

**WALLMOUNT CONNECTOR PLATES**

### HEADSETS:

**DMH320** - Dual muff

**SMH310** - Single muff

**DMH220** - Dual muff

**SMH210** - Single muff

**SMH130** - Lightweight single muff with boom

### HANDSETS:

**HH10** - Telephone handset

**HH5** - Fist mic

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