



AD913

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Features

The AD913 allows communication between the Tecpro wired system and a simplex radio system, using typically a pair or more of walkie-talkies. It allows audio on the wired comms system to be transmitted to remote radios, and replies from these remote units to be heard by parties on the wired system circuit.

The unit provides a mic level output for connection to a transmitter and has an earphone level input to accept a receiver. In addition it has arrangements to provide a push-to-talk (P.T.T.) or 'transmit on' switching signal, operated by the 'signal' lamp of outstations on the wired circuit to which the AD913 is connected. Any outstation can activate a radio transmission by depressing the 'signal' lamp switch. The system signal lamps on other outstations will light in the normal way and the speech on the wired circuit will be sent to the transmitter and the necessary 'transmit on' switching will be activated. All stations will hear incoming calls when the 'signal' lamp is off.

- Allows combined wired / radio systems to be assembled
- Interfaces with most good simplex radio transceivers
- Audio connections transformer balanced to reduce hum and interference
- Multi-turn presets for easy adjustment
- Robust extruded case - virtually indestructible
- 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 can use a master station which has two in-built power supplies and offers two independent communication circuits, A and B, which can be linked if required.



TECHNICAL SPECIFICATION - AD913 SIMPLEX RADIO ADAPTER

Power requirements.....	24-30 DC, 15-25mA from comms system
External input.....	To suit earphone/speaker levels, 10k ohms nom. balanced and floating
External output.....	To suit mic inputs, 200 ohm nominal source balanced and floating, open circuit in receive mode
External PTT.....	Single pole contact, closed circuit in transmit, rated 0.25A at 28V DC
Connections.....	Transceiver via XLR 6 pin male (Neutrik). Intercom ring (2-wire) via XLR 3 pole male and female (loop-through)
Optional accessories.....	AL914 is readymade cable to interface the AD913 to the Maxon SL70 series VHF/UHF handportables. AL919 interfaces to the TTI FreeQuency TX-1446 and Maxon SL55 series. AL920 interfaces to the Multicom Junior 446MHz series.
Dimensions.....	107 x93 x50mm
Weight.....	450g
Construction.....	Black anodised extruded case with glass filled nylon bezels for protection
Accessory cable.....	'Y' lead YL917 has 6 pin XLR female to dual 3 pin XLR male

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
PS 711 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
AD903 AUXILLIARY INPUT and OUTPUT ADAPTER - 2 wire to 4 wire interface
YL916 HEADSET OUTSTATION 'Y' LEAD
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

DEALER

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