



PS713



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## Features

The PS713 is a simple portable power supply interface which serves as the system master in mobile situations. It interfaces to an external DC supply in the range 12 to 30 volts (max) and contains a circuit breaker of 1 amp rating. The unit provides one comms circuit with three sockets. These are connected to Tecpro outstations in the normal way. It will provide power to up to 24 headset stations or a mixture of headset and loudspeaker stations. The unit is fitted with 4 mm banana/screw terminals for external DC connection.

### For use with external battery

- Allows comms system use without mains power
- 12 or 24 volt use
- Allows fully portable operation
- Robust housing makes almost unbreakable construction
- Self-contained circuit breaker protects wiring

## 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 beltpacks. 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. Beltpacks are intended for personal use and work only with a headset. Outstations and beltpacks 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 - PS713 BATTERY POWER SUPPLY

Power requirements.....12-24V DC nominal, 30V peak, smoothed (ripple free). Reverse polarity protected.  
System works optimally from 24V.  
Comms line.....200 ohm audio, 5k ohm DC.  
Dimensions.....107 x93 x50mm excluding connections.  
Weight.....425g.

## 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  
**ME745 MASTER STATION** - Basic combined power supply and 2 circuit station  
**PS711 3 CIRCUIT POWER SUPPLY**  
**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  
**AD913 SIMPLEX RADIO ADAPTER**  
**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

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