

# BP111 BELTPACK HEADSET OUTSTATIONS



BP111



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## Features

The BP111 is a tough, light-weight beltpack suitable for use on the belt, free standing or on a wall. It has been designed to withstand portable use where care is not always taken by the user.

The operator has a headphone volume control, mic on-off switch, and a signal light/switch for attracting the attention of other users on the same circuit. A pre-set adjustment is provided for the level of the user's voice in his own headphone (sidetone).

All connections to the unit are via XLR type connectors, rather than wired-in leads. This means that cable failures can be overcome by unplugging the faulty lead or headset rather than rewiring the box. All connections are on the bottom, making the unit more comfortable when clipped to the belt.

The high 'bridging impedance' of the unit ensures that side-tone and system sound levels are not altered as outstations are switched on and off the circuit.

The frequency response of the unit is carefully shaped to provide the optimum in both intelligibility and long term aural comfort.

### Single circuit

- Robust extruded aluminium case - virtually indestructible
- Recessed controls and connectors - prevents breakage
- XLR 3 pin connectors - compatible with standard mic cables
- Rugged, non-tangle beltclip - also useful for wallhanging
- Specially moulded glass filled nylon bezel protects the unit if dropped
- Limiter on mic amp - prevents distortion due to overload
- Mic on-off switch - prevents unwanted noise on circuit
- Black finish - minimises visibility in stage applications
- Coloured bezels available as spare parts to enable colour coding of beltpacks

## 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 - BP111 BELTPACK HEADSET OUTSTATIONS

Power requirements.....	24/30V DC, 10mA quiescent. 40mA max with Signal lamp on.
Headphone output.....	Suits 8 ohm to 4k ohm headphones.
Microphone input.....	Suits 200 ohm to 600 ohm dynamic microphones.
Sidetone rejection.....	Up to 45dB.
Connectors.....	XLR 3 pin male and female – system loop through XLR 4 pin male for headset.
Dimensions.....	107 x93 x50mm.
Weight.....	400g
Construction.....	Black anodised extruded case with glass-filled nylon bezels for protection.

## OTHER TECPRO PRODUCTS

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

**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**

**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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