

Technical Data Sheet

TECPRO DUAL CIRCUIT INTERCOM OUTSTATIONS

27-115 Tecpro dual circuit beltpack (monaural)

27-117 Tecpro dual circuit beltpack (binaural)

OPERATING INSTRUCTIONS:

- 1 Plug a headset into the XLR type socket (4 pin -115; 5 pin -117) on the back of the unit. The headset wiring standard is detailed later.
- 2 Plug the extension cable from each circuit into a 6 pin XLR type socket on the back of the unit.
- 3 The BP115/117 allows the user to communicate with 2 independent intercom circuits. Identical controls are provided for each circuit.

Press the "MIC" button and partly turn up the "Listen level" () control on the selected circuit (A or B). Ensure that some other outstations attached to the same circuit are also turned on. You should now be in communication with any of these other outstations.

- 4 The thumb operated "Listen Level" () controls the loudness of your headset earphone(s), allowing a suitable receive level to be set.

In the 115, the two "Listen Level" signals are mixed in the belt pack unit, allowing "A", "B" or both to be monitored.

In the 117, the two "Listen Level" signals are supplied to separate earpieces.

Note: "Listen Level" controls have no effect on the microphone level.

- 5 The microphone amplifier gain is factory adjusted to suit most types of headset microphones. It contains a limiter/compressor which compensates for differences in microphone and talker output levels. Should your chosen headset have too little output, please contact your dealer.
- 6 The flash (SIGNAL) button flashes a light in all outstations connected to the selected circuit. It can be used to attract attention in the event that a user has removed their headset.

- 7 The screwdriver preset controls the level of your own voice in your headset (Sidetone). Tecpro beltpacks use the symbol () to indicate this. The setting is factory set for the majority of users. It can be altered for personal preference.
- 8 Due to Clearcom's lower bridging impedance, a slight reduction in sidetone stability is incurred when a Clearcom outstation is used in a Tecpro system. With this exception the two different systems are compatible.

Connection details

Headset BP115, 4 pin male XLR type.

- 1-Mic Ground (screen)
- 2-Mic Line (centre)
- 3-Ear Ground
- 4-Ear Line

Circuit connections;

6 pin XLR female and male paralleled.

- 1-Ground
- 2-+24V Line
- 3-Ring (Audio) "A"
- 4-Ring (Audio) "B"
- 5-Not used
- 6-Not used

Headset BP117

5 pin male XLR type

- 1-Mic Ground (screen)
- 2-Mic Line (centre)
- 3-Ear Ground (ear common)
- 4-Ear "A"
- 5-Ear "B"



Circuit connections;

6 pin XLR female and male paralleled

1-Ground

2-+24V Line

3-Ring (Audio) "A"

4-Ring (Audio) "B"

5-Not used

6-Not used

(In Tecpro headsets, this will appear as Ear "A"=Left, Ear "B"=Right)

TECHNICAL SPECIFICATION

Headset microphone impedance:	200Ω preferred, 300-1kΩ acceptable.
Headset earphone impedance:	150-600Ω preferred, 80-4kΩ acceptable.
Supply Voltage:	24VDC nominal; 12-30V DC acceptable.
Current Consumption:	10mA average with speech, 20mA with one SIGNAL LED activated.
Input limiter/compressor:	Frequency response tailored for comfortable listening combined with high intelligibility.
Lamp type:	Super bright LED.
Line bridging impedance:	>100kΩ 300Hz-3kHz. >10kΩ 20Hz-10kHz.
Sidetone Cancellation:	0dB to over 40dB, adjustable for each circuit.

Controls (2 identical sets)

Talk:	Push on-off, self indicating switch.
Listen Level:	Thumb operated potentiometer.
Flash:	Non-latching push switch with adjacent lamp.
Sidetone:	Screwdriver-operated preset. All controls are recessed to prevent accidental damage.
Size:	100mm×90mm×50mm
Weight:	470g nett, 520g shipping.