

EZICOM E-100

HEADSET INTERCOM SUBSTATION



DESCRIPTION

The Jands Ezicom headset intercom substation is designed to meet communication needs in contemporary stage productions, particularly where high ambient noise levels may be experienced.

A basic system would consist of one E-400 or E-200 master station connected to a number of remote E-100/E300 substations.

FEATURES

- * Up to 20 remote substations can be connected to one E-400 or E-200 master station
- * Up to 100 remote E-100 substations may be run in a system which uses multiple master stations to supply power
- * Connection between the master station and the substations is via standard two-core screened microphone cable
- * Audio levels remain constant when stations join or leave the line
- * Cable lengths of up to a kilometre may be used without any problems
- * Audio circuits are designed to give high intelligibility even in the presence of dimmer noise and strong RF fields
- * Single channel operation
- * Headset connector
- * Headset level control
- * Channel "Call" push switch with red LED
- * Microphone "On/Off" switch with green LED
- * Input and output link connectors
- * Belt clip

OVERALL SPECIFICATIONS

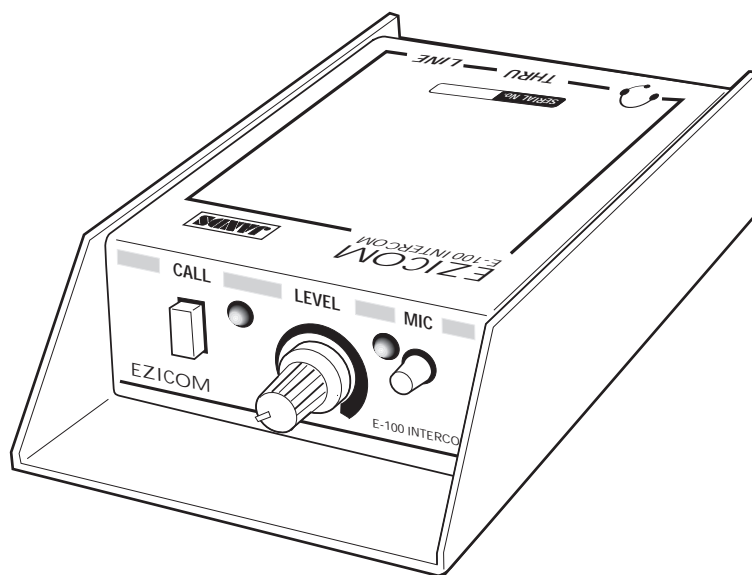
- Power supply: 30(±10%)V DC
- Consumption: 50mA average, 100mA max.
- Connector: 3-pin male and female AXR
- Signal to noise ratio: >80dB
- Microphone impedance: 50~600Ω nominal
- Headset impedance: 8~2000Ω nominal
- Headset power: 200mW @1k Hz, 0.1%THD (8Ω load)
1300mW @1k Hz, 0.1%THD (200Ω load)
450mW @1k Hz, 0.1%THD (600Ω load)
- Headset connector(s): 1×Cannon 4-pin AXR connector
- Dimensions: 85mm (W)×43mm (H) ×120mm (D)
- Net/shipping weight: 05./0.8kg

SUPPLIED ACCESSORIES

- Operating manual

ORDERING INFORMATION

MODEL/PART	PART NO.
• Ezicom E-100	JND-E100
• Ezicom E-400	JND-E400
• Ezicom E-200	JND-E200
• Ezicom E-300	JND-E300
• Economy headset with 2 ear muffs and 4-pin AXR connector	JND-LH-075
• Beyer DT-108 headset with 1 ear muff and 4-pin AXR connector	JND-DT-108
• Beyer DT-109 headset with 2 ear muffs and 4-pin AXR connector	JND-DT-109



▲ Ezicom E-100

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ARCHITECTS & ENGINEERS SPECIFICATION

Electronics

The headset intercom substation electronics shall provide highly intelligible communications in high noise environments.

The audio level on the lines shall remain constant regardless of whether one (1) or twenty (20) substations are connected to the line.

The substation shall connect to the talkback ring line via two 3-pin AXR sockets (a Line connector and a Thru connector).

The headset shall connect to the substation via a 4-pin AXR socket. The substation shall feature a microphone On/Off switch with LED indicator, a momentary action Call switch with LED indicator, and a headset volume control.

All controls shall be protected against accidental operation by an overhanging projection on the lid of the unit.

Both the master station and substation shall be factory tested and cyclically burned-in for a minimum of 24 hours.

Electrical

The substation shall operate from a supply of 30 volts DC.

The substation shall draw an average of 50 mA of power from the master station, and not more than 100mA.

The master station shall have a suitably rated power supply sufficient to support up to twenty (20) substations.

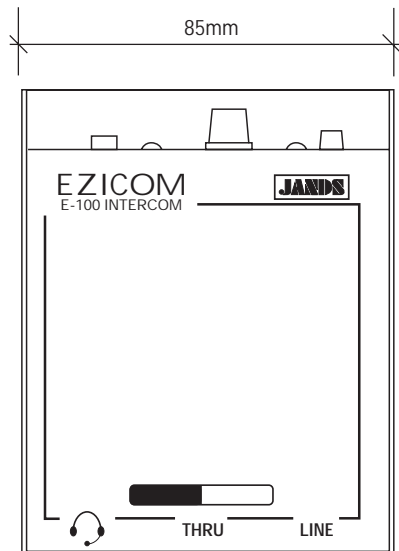
Mechanical

The substation shall be designed to be either free standing or to clip onto the operator's belt. It shall be 85mm wide x 120mm deep x 43mm high.

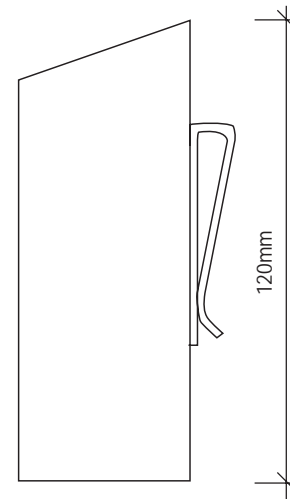
The substation shall be constructed of 1.2mm steel, and shall be provided with a removable lid for service access to internal electronics. All metal surfaces shall be properly treated and finished in powdercoat.

The control surfaces shall have legends silk-screened in a contrasting colour over the powdercoat.

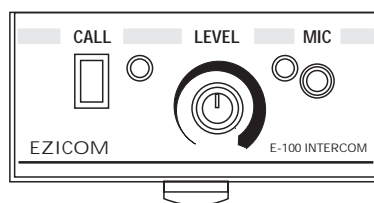
The headset intercom substation shall be JANDS EZICOM E-100.



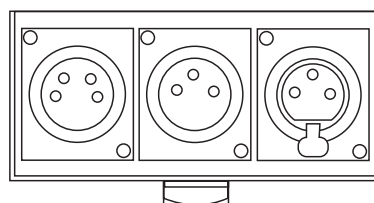
▲ Ezicom E-100 front



▲ Ezicom E-100 right side



▲ Ezicom E-100 top



▲ Ezicom E-100 bottom

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Specifications subject to change without notice. Manufactured by Jands Electronics Pty Ltd ACN 001 187 837.
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