

# EZICOM E-400

## HEADSET INTERCOM MASTER STATION



### DESCRIPTION

The Jands Ezicom E-400 headset intercom master station 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 master station connected to a number of remote E-100 or E-300 substations.

### FEATURES

- \* Up to 20 remote E-100 or seven wall-mounting E-300 substations can be connected to one E-400 master station
- \* Up to 100 remote 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
- \* Four "ring" (channels) operation
- \* Select and terminate switches for each channel
- \* Headset connector on front and back panel
- \* Headset level control
- \* Master "Call" red illuminated push switch
- \* Microphone "On/Off" switch with green LED
- \* Buzzer "On/Off" switch
- \* Programme input connector/level control
- \* Programme input mic/line switch available
- \* Master terminate switch on back panel
- \* Power "On" green LED for supply rail and desk lamp
- \* Channel "On" green LED for each channel
- \* Channel "Call" red LED for each channel
- \* Desk lamp connector

### OVERALL SPECIFICATIONS

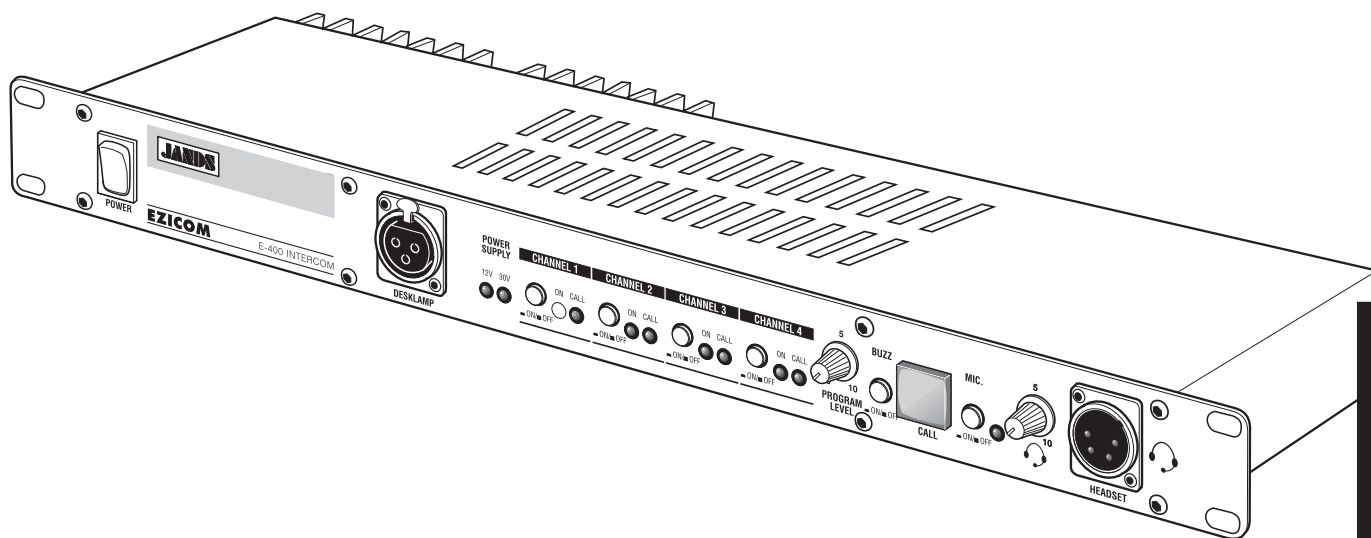
- Power supply: 240(±10%)V AC, 50/60Hz
- Consumption: 50VA max.
- Connector: IEC 3-pin with integral fuse
- Fuse: 2A M205
- Signal to noise ratio: >80dB
- Microphone impedance: 50~600Ω nominal
- Headset impedance: 8~2000Ω nominal
- Headset power: 200mW @1k Hz, 0.1%THD (8Ω load)  
1300mW @1k Hz, 0.1%THD (200Ω load)  
450mW @1k Hz, 0.1%THD (600Ω load)
- Headset connector(s): 2×Cannon 4-pin AXR connector
- Dimensions: 482mm (W)×44mm(1RU)(H)×150mm (D)
- Net/shipping weight: 3.1/4.5kg

### SUPPLIED ACCESSORIES

- 2m IEC to Clipsal 463 power cable
- Operating manual

### ORDERING INFORMATION

MODEL/PART	PART NO.
• Ezicom E-100	JND-E100
• Ezicom E-200	JND-E200
• Ezicom E-300	JND-E300
• Ezicom E-400	JND-E400
• 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-400

HEADSET INTERCOM MASTER STATION  
**EZICOM E-400**

**ARCHITECTS & ENGINEERS SPECIFICATION**

**Electronics**

The headset intercom master station 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) substation(s) are connected to the line.

The master station shall drive four separate channels, the outputs of which shall be via 3-pin AXR sockets. Each channel shall have a front panel On/Off button with LED indicator and Call indicator LED.

The channel output lines shall be correctly terminated by the Master Terminate switch when the unit is being used as a master station, or by Channel Terminate switches when being used as a multi-channel remote station.

A 4-pin AXR headset socket shall be provided on both the front and back panels, with a front panel headset volume control. The master station shall feature a microphone On/Off switch with LED indicator and a momentary action Call switch with high visibility indicator. A selectable Call buzzer shall also be provided to give audible indication of an incoming Call signal.

A programme input shall be provided by a 3-pin AXR socket on the rear of the unit along with a Line/Microphone level select switch, and a front panel volume control. A back panel Global/Local switch shall determine whether the programme material is heard by the master station only, or fed to the selected outputs.

A female 3-pin AXR socket shall be provided on the front panel of the master station for the connection of a desk lamp. The desk lamp voltage shall be a maximum of +12 volts DC and shall be current-limited

to prevent damage in the event of a short circuit.

**Electrical**

The master station shall operate from a single-phase supply of 240 volts AC with a supply frequency of 50Hz.

The master station shall not draw more than 50 watts of power from a normal GPO. The power inlet shall be an IEC mains socket with integral fuse, and shall be located on the back panel of the console.

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

**Mechanical**

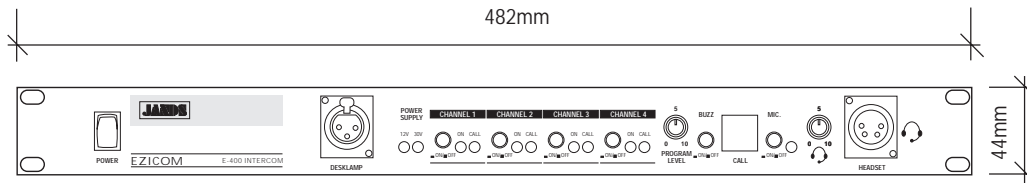
The master station shall be designed to mount in a standard 19-inch equipment rack. It shall be 482mm wide x 150mm deep x 44mm (1RU) high.

The master station 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.

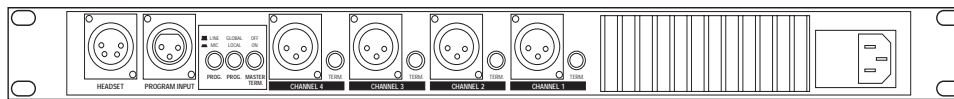
The control surfaces shall have legends silk-screened in a contrasting colour over the powdercoat.

The master station chassis shall have sufficient ventilation holes to allow adequate convection cooling of the power supply, provided the ambient temperature does not exceed 40°C (104°F).

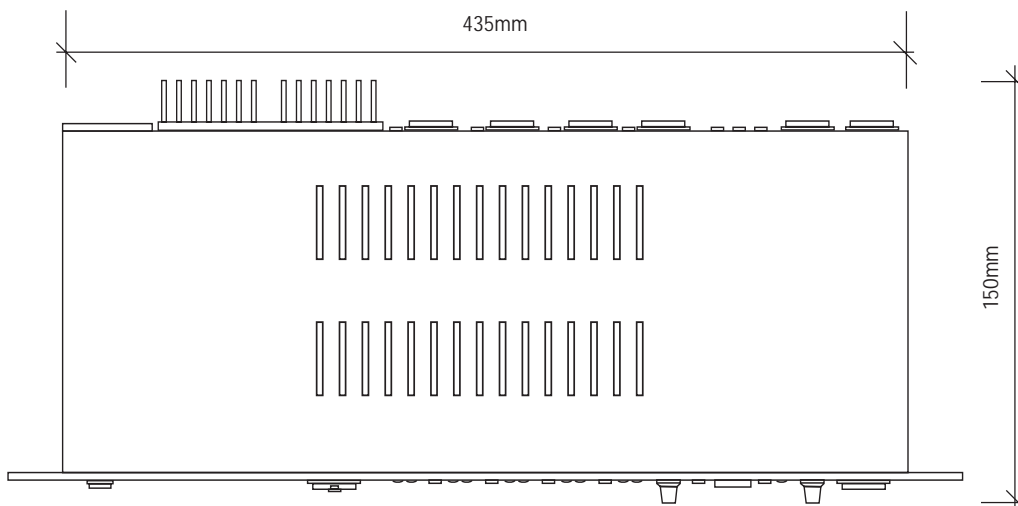
The headset intercom master station shall be JANDS EZICOM E-400.



▲ Ezicom E-400 front



▲ Ezicom E-400 back



▲ Ezicom E-400 top

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