



# JED MICROPROCESSORS PTY LTD

173 Boronia Rd, Boronia, (PO Box 30), Victoria, 3155, Australia  
Phone: +61 3 9762 3588 Fax: +61 3 9762 5499  
http://www.jedmicro.com.au email: jed@jedmicro.com.au

## T465 Audio processor for AV systems (mic. preamp, radio and line mixer)

The T465 audio processor sits between the line outputs of a T461 audio attenuator/mixer system and the room PA amplifier to insert two sources of microphone input into the audio heard by the audience. Each has a front panel level control.

The unit matches the T460 AV System Controller in style, colour and mounting, and has simple audio level controls for the local microphone input and the line-level signal from a radio microphone receiver. These two signals are mixed with the incoming stereo line input from the T461 video source audio mixer/attenuator. (If no T461 is used, and an output from the projector audio output is available, this can be fed into the T465 in the same way.) A rear level control is provided to adjust the incoming line level as a preset control used at setup time.

The outputs from the T465 are two line-level stereo pairs, one to feed the room PA amplifier, and one to feed a cassette recorder (to record the show).

It is intended that the T465 mounts alongside the T460 on a lectern panel (through the panel) or on a wall (alongside the T460) on a Clipsal 2000 wall mount.

### Microphone pre-amplifier options

The microphone preamplifier is a low noise balanced instrumentation amplifier with a rear, switched coarse gain control in 10dB steps from 0 to 50dB feeding the front panel log user-operated microphone volume control.

One rear switch selects balanced inputs (for dynamic microphones) or unbalanced input (for condenser microphones). A second rear switch turns a 15 volt phantom power source on or off, to power FET amplifiers in condenser microphones.

### Wiring

All wiring is to Phoenix plug-in screw terminal connectors, which can then be wired to goose-neck lectern microphones, the radio microphone receiver, or to all other cables. The balanced microphone lead can be wired from behind to an XLR microphone connector. All audio wiring should be done with shielded cables. The unit runs from the 12 volt output of the T461, but will run from a 9 to 18 volt power supply, and only draws a few milliamps. (Rel. Nov 1st 2003)

