

JED T460 Projector Controllers

T460, a low cost RS232 remote controller (and timer) for LCD and DLP video and data projectors, LCD and Plasma flat panels, for lecture theatres, classrooms, churches or conference rooms.

The JED T460 projector controllers offer a convenient system to control video and data projectors from a suitable point on a lectern, bench or wall near a speaker's location in a hall or theatre.



The simplicity of operation of the T460 is its major advantage when installed in locations where a number of users/teachers/lecturers who are unfamiliar with A/V equipment, and without an audio/visual assistant/operator, need to run a "show".

Ideal where there is the need to power up the projector, select a source, run a video or computer presentation or demonstrate some other program, or display a feed from a document or microscope camera on the video screen, and then close the system down again. Contrast the four buttons on this unit with the 20 or 30 on some IR remote controls, each one different from room to room. This unit is identical from room to room, even with a mix of different projectors.

And when the show is over, T460 controller does not walk out the door in the lecturer's pocket like IR remote controllers often do!

The control of audio level can also be done via the projector using the T460 controller.

Users can set a time-out period after which the projector automatically powers down if no activity is detected on the keyboard or via the PIR. The time is adjustable from zero (disabled) to three hours. An input is provided for the relay contact from a PIR (Passive InfraRed) detector in the room. This can be used for a reset of a time-out on the projector power, so that while people are in the vicinity the projector keeps running until manually turned off.

The T460 has a choice of keyboard labels for the right-hand two keys.

The standard key-labels for the right-hand keys are "VOLUME UP" and "VOLUME DOWN". An option labels the right-hand keys "A/V Mute On" and "A/V Mute Off", so the user can mute the system from the T460.

Another option labels the right-hand keys: "Freeze On/Off" and "Mute On/Off", providing both Freeze and Mute functions to a screen. (Not available for all projectors.) Applications in meeting rooms and churches allow an image to be projected from a PC, and held there while the operator advances to the next screen, or enters information on the laptop and edits it without it being shown till ready.

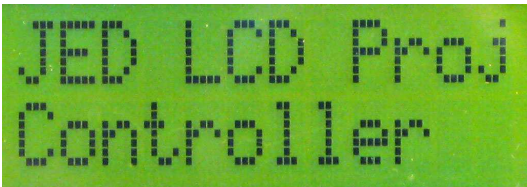
Pressing both Volume keys together mutes the sound and picture. (Either yellow key restores the picture/sound)

Volume keys auto increment / decrement the audio level if a yellow key is held down. (Times are programmable.)

Key Features:

- Reliable: 60m via CAT5 cable;
- No IR 'bugs' to be stuck on (& fall off);
- RS232 codes well published and able to be monitored with simple PC software;
- Feedback from the projector on:
 - Projector present and communicating;
 - Lamp hours (and soon, filter hours);
 - Projector state: keeps controller in sync.
- The T460 is the only low-priced controller with an LCD display, so setup is easy and self-contained;

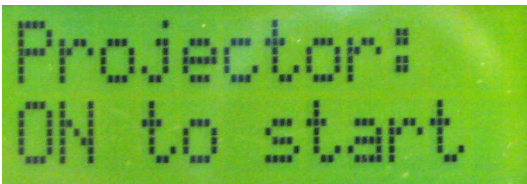
The T460 is wired back to the LCD projector via an RS232 data cable, needing only three wires (TX, RX and Ground). The control codes for many hundreds of projectors are programmed into the T460 controller, and a variety of customising set-ups can be performed on the unit via the front panel keys to select different projector makes and models, and then to name video sources from a menu and allocate them to various input channels on the projector. (A connection for a fourth wire with 9 volts on it is available as a CTS or DTR line HIGH to the projector to enable RS232 transmission, as some projectors expect this input to be HIGH before allowing transmission.)



Complete status is shown at startup and after each cycle



The projector is polled, comms checked and lamp hours shown



T462-R2 & -R4 relay-box for screen/scissor-jack/room dimming - Option

The T462-R2 and T462-R4 are boxed RS232 relay drivers which can be driven from a T460 via the second serial port in the same way as the T461 (above). The first two relays are programmed from the T460 to lower and raise a motorised screen. The relays can switch 12 volt signals to the motor control system. (If only screen control is needed, use just the T462-R2) **JED can supply a 12v 300mA power pack to run a T460/T462 pair. Order PAK12/300.**



If scissor-jack and room light dimming relays are needed as well, order a T462-R4. Driver software is in version 2.13A and later.