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# SPEED of SOUND
# LA50-560


## INTRODUCTION:

The Lascells speed of sound apparatus is a convenient and easy to use piece of apparatus for measuring the speed of sound in air.

## SET UP:

To set up the unit ensure the connecting cable is securely inserted into both the back of the control unit and the front of the link unit.

The apparatus is designed to interface directly with Lascells timers and the start, stop and common connections are colour coded for direct connection.

For connection to other timers the outputs transition from 0 - ~7.5V upon triggering. The green socket will go high when the microphone in the control unit is triggered with the red socket going high when the remote microphone is triggered.

## TIPS:

Wait for both indicator LEDs to extinguish before commencing the experiment, reset the timer and make a short, sharp sound. Clapping two stout sections of timber produces an ideal sound.

Although a ‘single shot’ method will work a graphical approach is preferable with readings taken every metre from 1 to 6 metres.

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