

Modulated Laser Receiver

Introduction

The Modulated Laser Receiver consists of a high speed phototransistor, wide band amplifier and loudspeaker. The phototransistor is mounted on the front panel and labelled DETECTOR.

Battery Replacement

The unit requires a 9V battery of the 6LR61 (PP3) alkaline type or equivalent. Access to the battery compartment can be obtained by sliding off the battery cover at the rear.

Operation

The unit will detect and amplify modulated light over a frequency range of 100Hz to 5MHz. Output is available from the two 4mm sockets and through the built in loudspeaker if the modulation is in the audio range.

The unit is designed to detect modulated light from a semiconductor laser. Detailed instructions are included with the laser.

Note

If the laser beam is too finely focused onto the detector the detector will saturate and result in no output. Slightly de-focus the beam to overcome this problem.