



This electronics study card is designed to connect to the 409-01 Experiment Platform or to the 300-01/300-02 Advanced Electronics Experiment Platforms* as part of a modular electronics programme.

This practical resource introduces students to the concepts of simple radio communication systems through a wide range of practical activities.

Students investigate the operation of an AM transmitter and crystal receiver. This resource is ideal for use within an intermediate electronics program.

The board can be also be used in conjunction with our optional cloud-based software, which offers online practical electronics tasks as well as interactive theory presentations, investigations, and assessments, which link directly to the practical activities carried out using this resource.

* **Note:** to connect to 300-01, 300-02, D3000 EXP or D3000 VIP2 you will also need a 409-02 Experiment Card Motherboard.

Practical Tasks Include the Following:

- Radio Communication
- Amplitude Modulation
- Channel Bandwidth
- Radio Signal Receiver
- Tuning
- The Crystal Set

Items Included:

- Circuit Card
- Storage Case
- Manuals in PDF Format on CDROM

Other Items Required:

- 490-01 Experiment Platform
- Dual Trace Oscilloscope
- Function Generator

or

- 300-02 Advanced Electronics Experiment Platform
- 409-02 Experiment Card Motherboard

General Information:

Dimensions: 50 x 238 x 175 mm (W, H, D)

Shipping Volume: Approx 0.002 m³

Shipping Weight: Approx 0.35 kg

Order Code: 421-01

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