



# TeachEasy IR-2500

## Infrared Wireless Sound Field System

*Designed exclusively for the classroom, meeting room or small conference area, the TeachEasy is a trouble-free solution for sound enhancement.*

- Infrared technology means you'll have clear, uninterrupted sound with no interference from outside radio frequencies.
- Advanced sensor array allows freedom of movement in a 1600ft<sup>2</sup>/150 m<sup>2</sup> classroom—external sensors can be added for larger rooms or special circumstances.
- It's versatile! Connect the TeachEasy to computers, VCR's and other devices like student microphones or a personal FM assistive listening device
- Because the infrared signal 'stays in the room,' the system offers security for private meetings.
- Choose from a headband, collar or lavalier microphone for hands-free operation (handheld mics are also available).



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## Infrared Wireless Sound Field System

*The TeachEasy includes everything required for a custom-installed classroom sound system.*

### IR-2500 Sound Field System

- Amplifier/mixer with built-in infrared receiver and mounting bracket (has two additional inputs for auxiliary IR sensors).
- 4 Speakers with wall mount brackets and 100 metres of cable.
- Body-pack transmitter with clip-on infrared emitter.
- Choice of microphone (headband, collar, or lavalier).
- Battery charger and batteries.
- Options and accessories include system carrying bag, flight case, speaker stand and mount, handheld microphones, cables and more.



*Ordering is easy; choose one of the model numbers below.*

### IR-2500H TeachEasy with Headband Mic

- Includes headband microphone / body-pack transmitter.

### IR-2500HD TeachEasy with Deluxe Headband Mic

- Includes deluxe headband microphone with flexible boom / body-pack transmitter.

### IR-2500C TeachEasy with Collar Mic

- Includes around-the-collar microphone / body-pack transmitter.

### IR-2500L TeachEasy with Lavalier Mic

- Includes lavalier (lapel) microphone / body-pack transmitter.

#### *Sole UK Distributor*

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[www.teacheasy.info](http://www.teacheasy.info)

TeachLogic

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### Specifications

#### Wireless System

##### Operating range:

- .. 1,600 sq.ft./150M<sup>2</sup> with built-in sensor
- .. 2,200 sq.ft./210M<sup>2</sup> with two external sensors

##### Type:

- .. Super heterodyne - crystal controlled

##### Modulation:

- .. FM

##### Sub-carrier frequency:

- .. 2.06MHz

##### Signal-to-noise Ratio:

- .. >90dB

##### Image rejection:

- .. >40dB

##### Reception sensitivity:

- .. >25dBmV

#### Amplifier / Mixer

##### Rated Power Output:

- .. 50 watts dynamic power per output

##### Max. SPL @ Rated Power:

- .. 101 dB @ 1 metre

##### Inputs:

- .. Mic 2: XLR, balanced, panel mounted
- .. Line 1: 1/4" phone jack, panel mounted
- .. Line 2: Dual RCA, panel mounted

##### Line output:

- .. Dual RCA jack, rear panel mounted

##### Power Requirements:

- .. 230 VAC / 50Hz, 50 watts maximum.

#### Speakers

##### Frequency Response:

- .. 80-20,000Hz
- .. 2 way
- .. 30 watts RMS
- .. 4 Ohm Impedance
- .. SPL (1W/1M) 87dB

#### Headband Microphone (HS-11)

##### Type:

- .. Electret Condenser
- .. Uni-directional pick-up pattern

##### Sensitivity:

- .. -48dB at 1 kHz

#### Deluxe Headband-type Microphone (HS-12)

##### Type:

- .. Electret Condenser
- .. Uni-directional pick-up pattern

##### Sensitivity:

- .. -66dB at 1kHz

##### Frequency Response:

- .. 100 Hz to 12,000Hz

#### Collar and Lapel Microphone (CM-20, EX505U)

##### Type:

- .. Electret Condenser
- .. Uni-directional pick-up pattern

##### Sensitivity:

- .. -46dB at 1 kHz

Due to ongoing product improvement, specifications and models are subject to change without notice.

E. & O.E.

