



# theatre lighting

The AVAB 201 has started a price and power revolution. We are proud to introduce this extremely powerful micro computer-controlled lightboard at a price which is below that of many manual systems. Many of the 201's control features are a direct outgrowth of research for the AVAB VIKING, the most sophisticated control system on the market today for large theatres and TV studios. Continuous dialogue with end-users ensures that AVAB products are both practical and versatile. The 201 is simple to understand and easy to use.

- 24 or 12 channels
- Up to 250 dimmer channels with electronic patching
- Internal memory for 100 presets
- Sequence of up to 200 presets
- 27 or 15 working fields depending on version
- Fade times and automatic times
- Possibility to record times in all fields
- Built-in chaser and light organ
- Infrared remote control option
- Remote triggering of fades from switch or tape recorder
- Memory storage on standard tape recorder
- Connector for printer
- Control of both analog and digital dimmers

Lighting control  
for everybody

#### Bands and Clubs:

Individual or mixed presets. Hand cross-fades or foot pedal. Programmable chase and light organ systems.

#### Audio Visual Presentations:

Speakers infrared remote control of pre-programmable sequences.

#### Video and TV Broadcast Studios:

Pre-programmable lighting groups plus stored or 'hands on' preset and sequence control.

#### Schools and Meeting Halls:

Can be used as a straight forward manual preset for individual circuits or programmed groups. For the more ambitious lighting designer all the other functions are readily available.

#### Theatres:

The most demanding professional lighting designers will find the AVAB 201 to be a remarkably powerful system. The programmable fade times, automatic times and multiple presetting are unique in such a small system. The soft patch options for up to 250 dimmer channels and the extensive special effects functions make the AVAB 201 probably the most effective micro computer system available anywhere.

#### Versions:

AVAB 201 for 24 control channels

AVAB 201 for 12 control channels

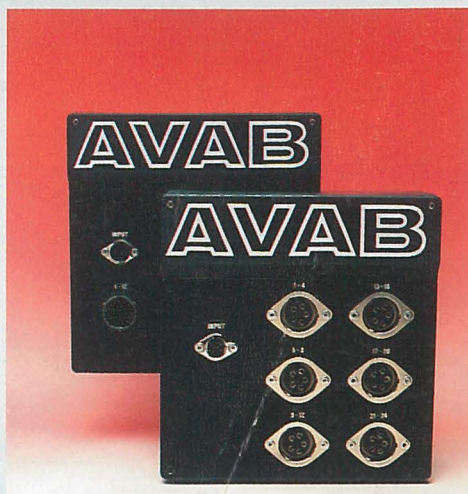
AVAB 201 with electronic patching for up to 250 dimmer channels

#### Options:

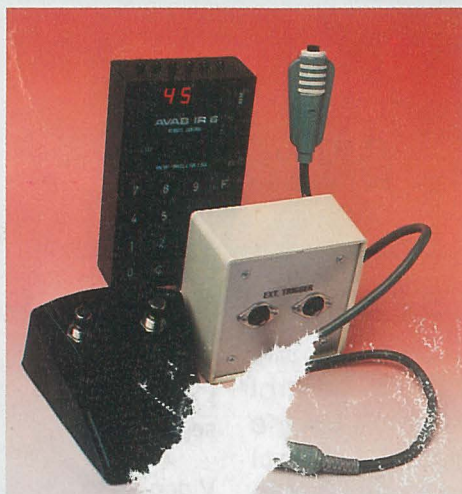
Standard TV (colour or b/w) or RGB monitor



# AVAB 201



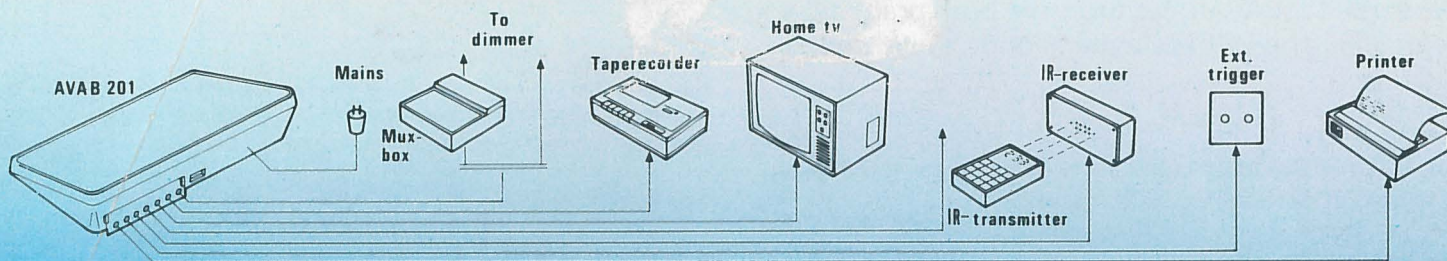
Multiplex boxes



remote control equipment



AVAB 201 with peripherals



### Capacity

The 201 has either 24 or 12 faders which function either as channel or master faders. There are a total of 27 or 15 working fields which can build and store 100 presets and arrange them in a sequence up to 200. Each field can be assigned its own fade time. Each crossfade has its own specific time and can be activated automatically. 24 presets (multiple presets) can be activated from the sequence with individual fade times. The special effects can also be used as multiple presets. AVAB 201 can be remotely controlled from a hand-held infrared controller, external push buttons, foot pedals or pulses recorded on tape.

### Easy to use

The 201 combines the simple logic of manual lightboards with the superior speed and flexibility of micro computers. A fader can control a single channel at one moment and an entire preset the next. The contents of several faders can be mixed to create entirely new presets. To correct the level of a single channel is as easy as pressing a button. AVAB 201 is an extremely easy-to-use lightboard.

### Colour TV

The 201 has integral displays. As an option a standard colour TV can be connected for even more information. AVAB has put a great deal of emphasis on making the TV displays clear and easy to understand. There are six different pages, each with 24 40-character lines with its own specific information.

### Special Effects

With the 201 there is no need for extra special devices, they have been built into the lightboard itself. 10 different chase light effects and 10 different light organ effects can be programmed.

### Dimmers

The 201 controls digital dimmers directly. It can also control most analog dimmers on the market today using multiplex boxes with switchable control voltages and an assortment of connectors.

### Long Term Memory

Any standard cassette tape recorder can be used as an external memory for the 201. The low cost of musicassettes means that a personal library of programmes can easily be built.

### IR Remote Control

AVAB's standard infrared remote control can operate with the 201 to access many of the lightboard's functions.

### Printer

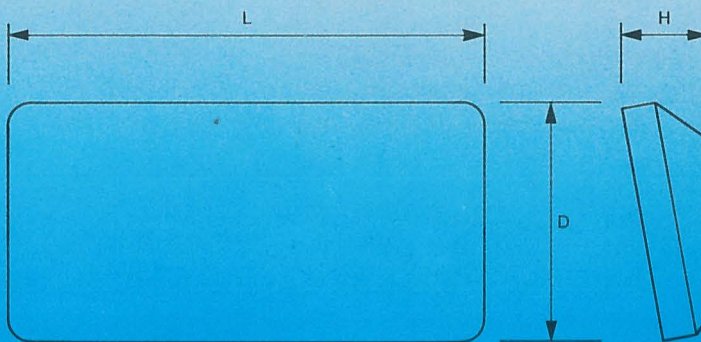
A printer can be connected to the 201 to produce print-outs of lighting programmes for archive purposes.

### Portable

A portable travelling case for the 201 is available.

### Price

AVAB 201 is a truly revolutionary development in lightboards. There is no manual lightboard which can compete. The 201 has features normally available only at many times the price — if then. Full pricing information is available on request.



Length (L) 505mm; Depth (D) 252mm; Height (H) 92mm  
Weight 4.5 kg

### Power Supply:

220V ( $\pm 10V$ ), 50Hz, 40 VA or  
117V ( $\pm 5V$ ), 60 Hz, 40 VA

### Resolution:

Recorded values: 8 bits  
Crossfade: 14 bits  
Output: 8 bits

### Computer:

Programming language: C  
Information memory: 8 Kbytes,  
battery back-up for two weeks  
Program memory: 24 Kbytes

### Output to tape:

1200 Baud, serial

### Video output:

312 lines 50 Hz, 75  $\Omega$ ;  
Color PAL-coded (option)  
Black-and-white 14 MHz (option)  
Color RGB sync 14 MHz (option)

### Light organ input:

Impedance: 100  $\Omega$   
Input level for full excursion:  
30 mV

### Printer output:

1200 Baud, serial

### Control signal output:

153.6 KBaud, serial  
Voltage for multiplex outputs:  
 $\pm 16V$ , 100mA

**CCT theatre lighting limited**

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