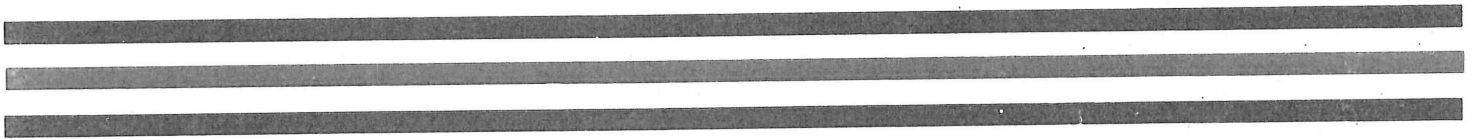


 **Commodore**

HIGH RESOLUTION MONITOR



MODEL **1084**

## English

### Introduction

Your monitor has been designed and manufactured to the highest standards, and subject to rigorous testing. Provided it is properly operated and maintained it will perform well for many years.

This colour monitor is suitable for use with home and personal computers, video recorders, LaserVision Players and TV Tuners.

**Connection to the mains (For UK only)**  
Your new monitor is designed to operate from an a.c. mains supply of 220-240 volts, 50 Hz. Stabilising circuits ensure satisfactory performance within normal supply variations.

**Important:** This apparatus must be earthed. This can be achieved by fitting a 3 pin plug. The wires in the earthed mains lead are coloured according to the following code:

BLUE = NEUTRAL  
BROWN = LIVE  
GREEN/YELLOW = EARTH

If the mains plug (or adaptor) contains a fuse, the value of this fuse should be 3 Amp. Alternatively, if another type of plug (not fused) is used, the fuse at the distribution board should not be greater than 5 Amp.

If the colours of the wires in the mains lead do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows ...

The BLUE wire should be connected to the terminal marked 'N' or coloured black.

The BROWN wire should be connected to the terminal marked 'L' or coloured red.

The GREEN and YELLOW wire must be connected to the terminal in the plug marked by 'E' or the earth symbol  $\perp$ , or coloured green or green and yellow.

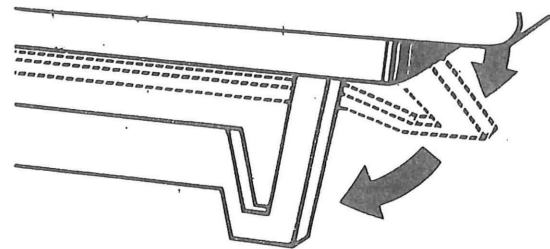
Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the three wires.

### Positioning/Ventilation

In order to prevent overheating, ensure that the ventilation openings in the monitor are not covered.

The monitor should not be placed near a source of heat nor on a soft surface since this would block the ventilation slots on the bottom.

### Movable support



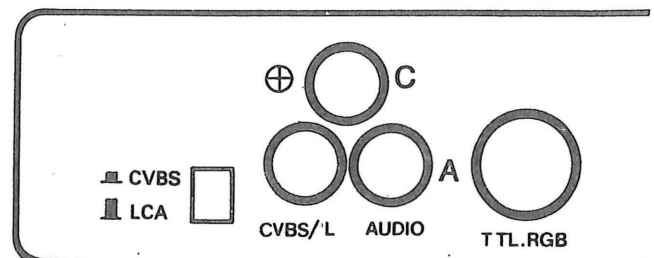
You can tilt the monitor into a convenient position with regard to the computer by using the movable support.

### Connection to the mains

You can connect your monitor to a mains voltage of between 220 and 240 V. If the mains voltage in your home is different from this, consult your dealer.

### Connections (rear panel)

for input of video and audio signals. Each connector is marked with its function.



**CVBS/L (Luminance) IN (Phono type)**  
CVBS (composite signal) or Luminance input Phono plug type.

For connection of a computer or other CVBS sources.

**CHROMA IN (phono type)**  
Chroma (colour signal) of the phono plug type. For connection of a computer.

**AUDIO IN (Phono type)**  
For connection of a signal source with a sound (audio) signal output.

### LCA/CVBS switch

With the LCA/CVBS switch  you can either choose the LCA signal or the CVBS signal (via euroconnector or phono plug).

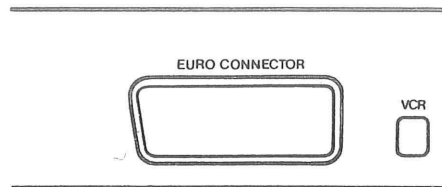
### TTL RGB input (8 pin DIN type 270°)

For connection of a computer with a TTL RGB output with separated synchronisation (TTL level).

### Connection (left panel)

#### Headphones

On the left side of the monitor you will find a 3,5 mm jack-type socket for connecting the headphones.



### CVBS + RGB linear + Audio input (Euroconnector type)

For connection of a Video Recorder, Computer, LaserVision Player, TV Tuner, etc. equipped with a Euroconnector.

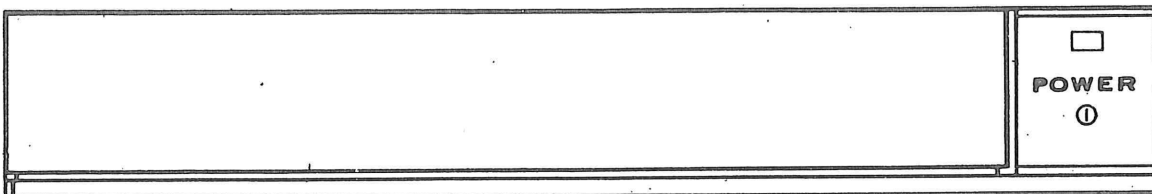
#### Remark:

If you connect both RGB inputs simultaneously the TTL RGB input automatically has priority over the linear RGB input.

After switching off or removing the connection cable from the TTL source, RGB linear will be looped in.

Furthermore you can connect a CVBS source (computer, Video Recorder, TV Tuner, etc.) to one of the CVBS input sockets, but not on both input sockets simultaneously because this might result in picture disturbance.

## Operation



#### Switching on ①

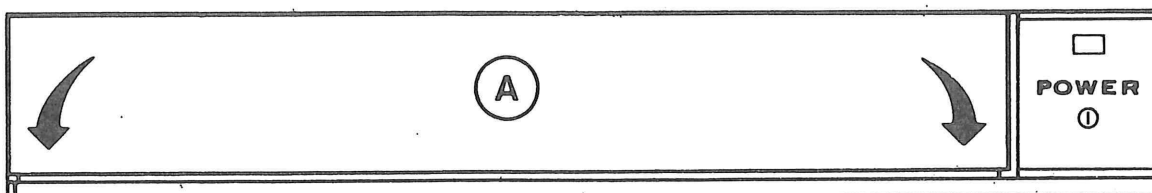
- Press button ① (LED lights up).

#### Switching off ①

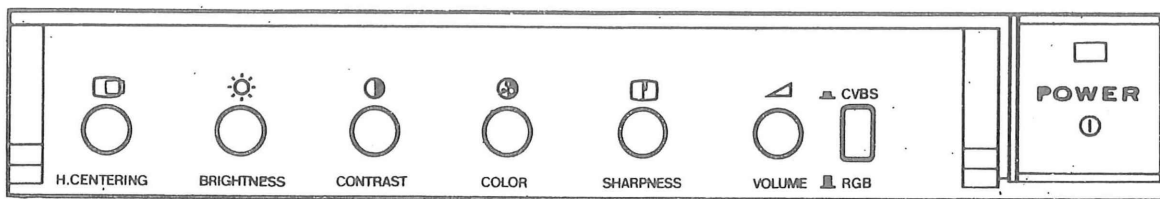
- Press button ① again.







#### Picture and sound controls

For an optimum adjustment of the video and audio input signals various controls are available.



- Open flap (A).

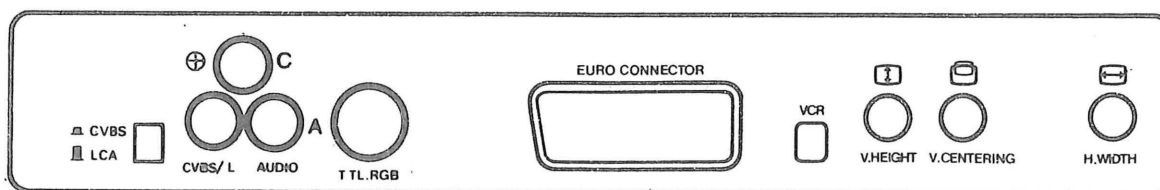


- The image may be positioned horizontally with knob .
- Adjust brightness with knob .
- Adjust contrast with knob .
- Adjust saturation of colour with knob  (not with connected RGB sources).
- Adjust sharpness with knob  (not with connected RGB sources).
- Adjust volume with knob .

### CVBS/RGB switch

With the CVBS/RGB switch  you can either choose the CVBS (or LCA) signal (Video Recorder, Computer or TV Tuner) or the RGB signal (computer).

## Controls (rear panel)



### VCR button

- If you use your monitor as display for your Video Recorder or VLP press button 'VCR' to adjust the picture.

In case a TV Tuner is connected this button should be released.

### V.Height

- You can adjust the image height with knob .

### V.Centering

- The image may be positioned vertically with knob .

### H.Width

- The image width can be adjusted with knob .

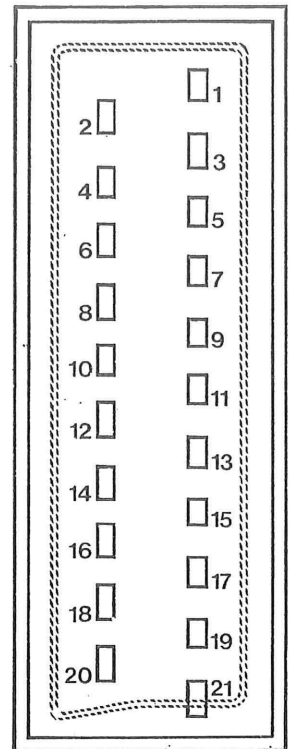
## Technical specifications\*

Picture tube	: 14 inch, in-line slotted, pitch 0.42 mm,
Deflection	: 90°
<hr/>	
Monitor input signals on Phono type connection socket	
1) Composite video signal with negative synchronisation	: (1 V $\pm$ 0.5 Vpp). Impedance: 75 Ohm
2) Audio signal	: (150 mV - 2 Veff). Impedance: 10 kOhm
3) Luminance signal	: (1 V $\pm$ 0.1 Vpp). Impedance: 75 ohm
4) Chroma signal	: (1 V $\pm$ 0.1 Vpp). Impedance: 75 ohm
<hr/>	
Monitor input sockets for RGB signals	
1) Euroconnector	: RGB linear (see specification)
2) DIN connector	: RGB TTL (see specification)
<hr/>	
Resolution	: 600 lines in centre, RGB position
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Characters	: > 2000 characters (80 x 25) in RGB position
<hr/>	
Raster frequency	: 50/60 Hz
<hr/>	
Line frequency	: 15625 Hz
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Sound output	: 1 W - 5% distortion
<hr/>	
Mains voltage	: 230 V $\pm$ 15%
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Power consumption	: 75 W typ.
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Dimensions (h x w x d)	: 320 x 350 x 387 mm
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Weight	: 11 kg
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\* This data may be changed without notice.

**The specification of the Euroconnector is as follows:**

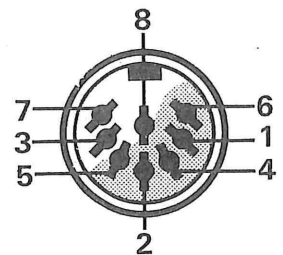
Pin		
1		
2	audio input	0.5 Vrms/ > 10 kΩ
3		
4	earth connection for audio	
5	earth connection B input	
6	audio input	0.5 Vrms/ > 10 kΩ
7	B input	0.7 Vpp/75 Ω
8		
9	earth connection G input	
10		
11	G input	0.7 Vpp/75 Ω
12		
13	earth connection R input	
14		
15	R input	0.7 Vpp/75 Ω
16	fast blanking	
17	earth connection CVBS	
18	fast blanking earth	
19		
20	CVBS input	1 Vpp/75 Ω
21	screening plug	



\* **Note:** Pin 20 is used for the synchronisation signal of a linear RGB input.

**TTL RGB DIN specification**

Pin 1	status computer
Pin 2	red
Pin 3	green
Pin 4	blue
Pin 5	intensity
Pin 6	earth
Pin 7	H.synchronisation of composite synchronisation
Pin 8	V.synchronisation



**General**

- If the picture is not as desired, check whether all controls are in the correct position.
- The rear panel should only be removed by a service technician.
- If necessary, clean with a damp sponge. Do not use alcohol, spirits or ammonia.

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