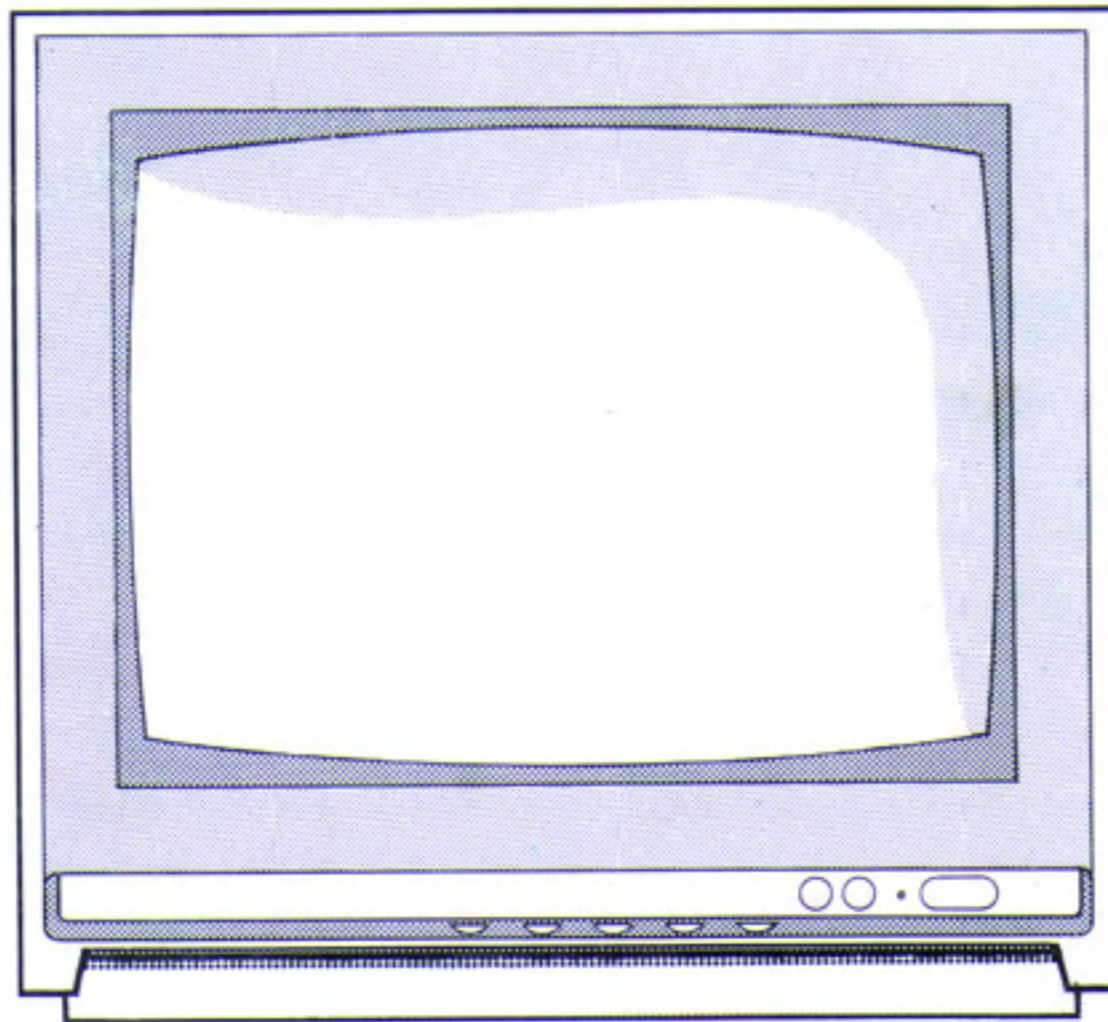




CONSUMER ELECTRONICS

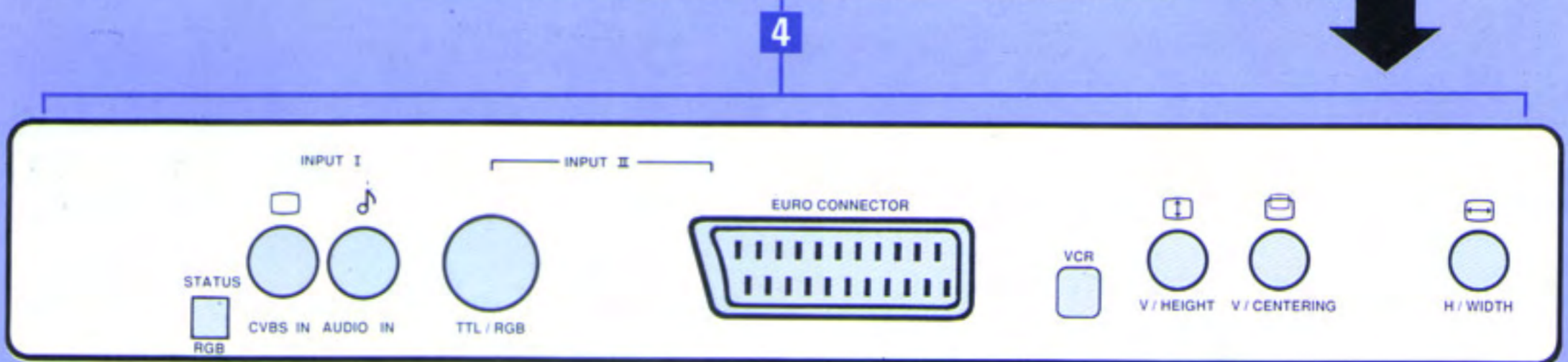
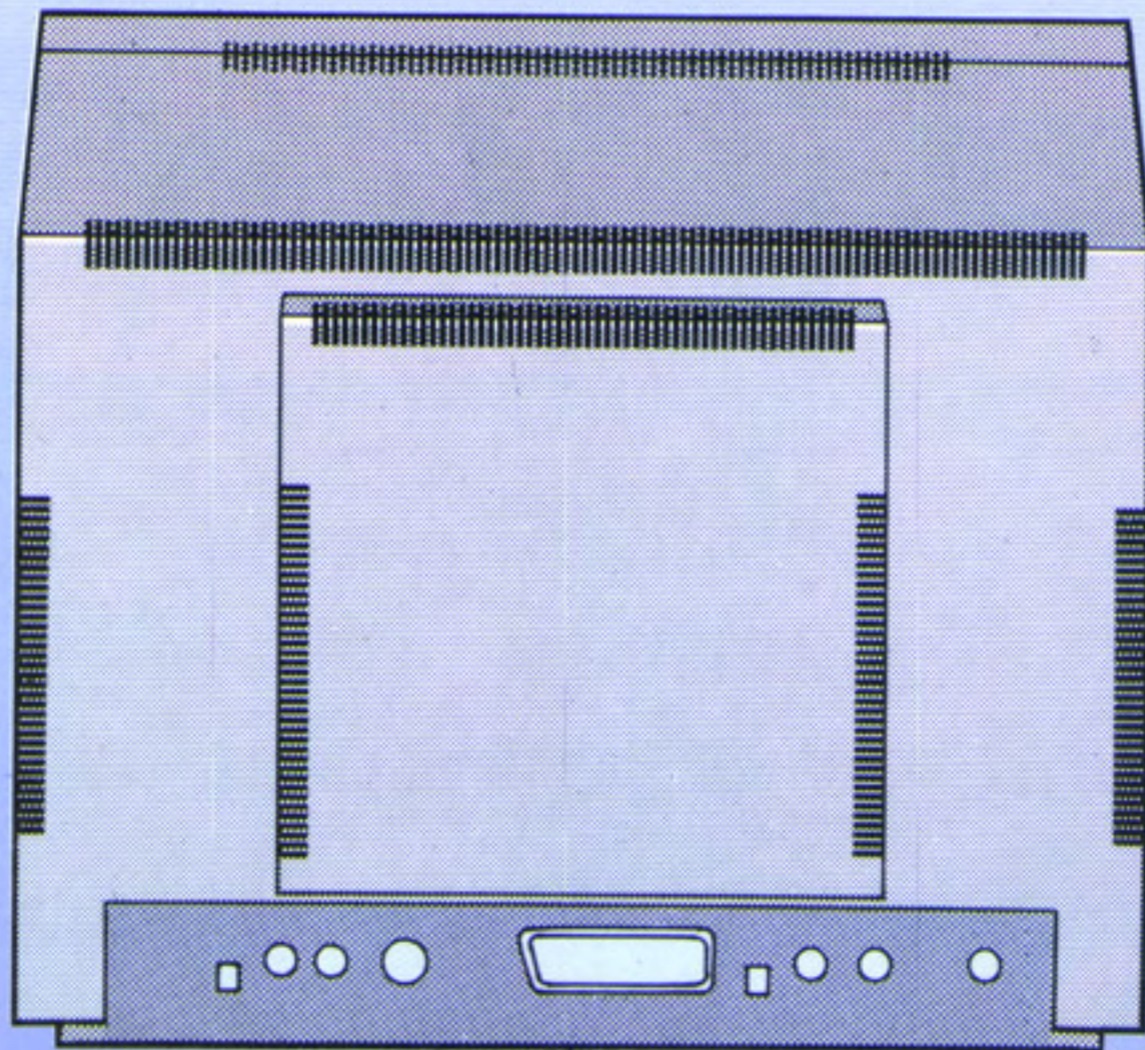
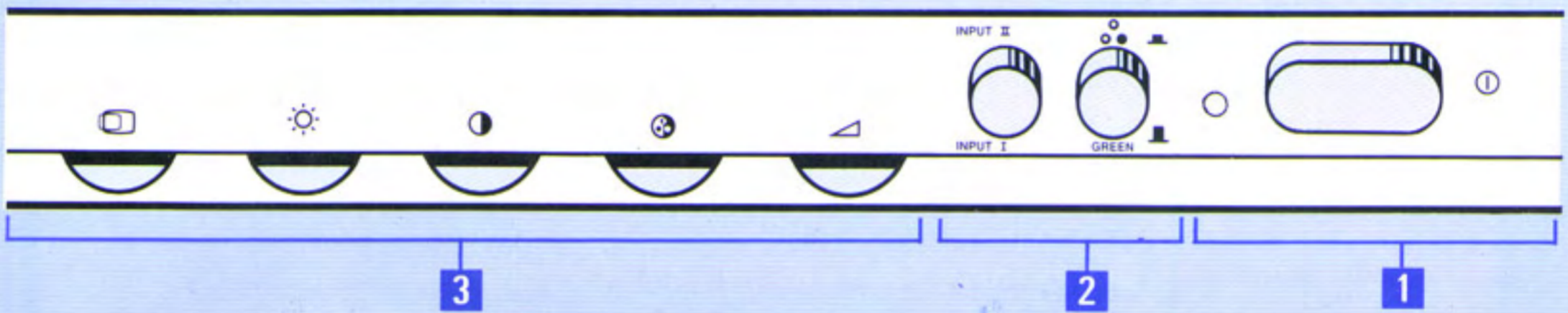
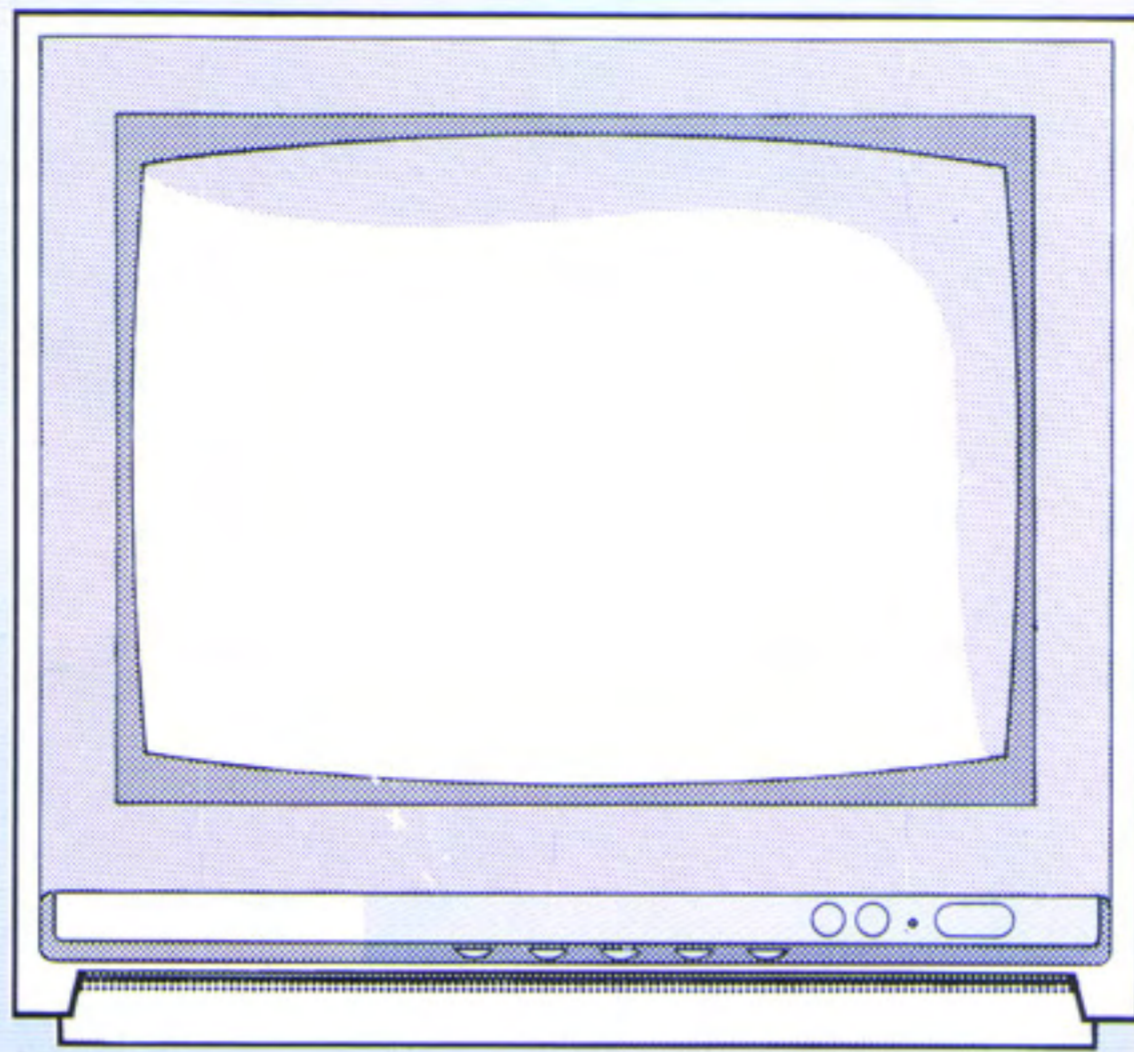
**PHILIPS**



*CM8802*  
*CM8832*

*CM8833*  
*CM8852*

COLOUR MONITOR  
FARBMONITOR  
MONITEUR COULEUR  
KLEURENMONITOR  
MONITOR A COLORI  
MONITOR EN COLOR  
MONITOR A CORES  
FARVE MONITOR  
FARGE-MONITOR  
FÄRGMONITOR  
VÄRIMONITORI



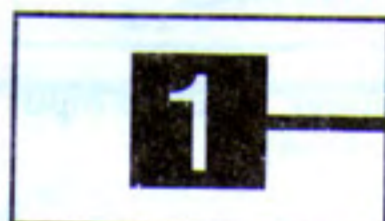
## Introduction

This colour monitor (depending on the technical execution) is suitable for use with home and personal computers, video recorders, LaserVision players and TV Tuners.

### Important

**NOTE: NOT ALL THE INFORMATION IN THIS BOOKLET IS RELEVANT TO YOUR MONITOR.**

**Check the technical information chart for the exact specifications of your CM 88 \* \* monitor.**



The drawings in the text are accompanied by figures, e.g. **1**. These correspond to the figures on the fold-out flap. This enables you to easily find the corresponding buttons on the monitor.

## Information for users in the UK

(Not applicable outside the UK)

### Service for you

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. However, we all know that in such complex equipment components can sometimes fail.

The legal responsibility for meeting any in-guarantee service needs for your receiver rests with the dealer from whom you bought it. Our own Service Division - Philips Service - provides your dealer with comprehensive technical advice, and distributes approved spare parts from Service Centres throughout the country. If your dealer has no service facilities, he can arrange for any work to be carried out by a competent third party organisation.

In any event you may expect speedy attention to restore your set to full working order without delay.

#### Free service for 12 months:

The dealer from whom the monitor was purchased will arrange for any defect in manufacture or material to be rectified without charge for a period of 12 months from the date of initial consumer sale provided:

- reasonable evidence is supplied that the set was purchased within 12 months prior to the date of claim
- the defect is not due to use of the monitor on an incorrect voltage or contrary to the Company's Operating Instructions or to accidental damage (whether in transit or otherwise); misuse; neglect; unauthorised or inexperienced modification or repair.

The picture tube of your monitor is separately guaranteed for 12 months by Philips Service.

#### Service after 12 months:

Continuing service after 12 months is available in the same way but the service will be chargeable.

These statements do not affect your statutory rights as a consumer.

#### Connection to the mains

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.

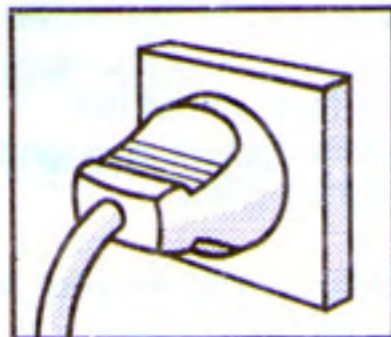
## Installation

### 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.

### 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.

The diagram on page 2 of these instructions does not represent a UK mains plug.

### Connections to the computer

Your monitor is equipped with connectors for input of video and audio signals. Each connector is marked with its function.

Home and personal computers have a large variety of connector types for video and audio signals. Therefore no interface cables have been included. In order to help you select the correct cable type some standard cable types are mentioned.

## List of some connection cables

- |  |         |
|--|---------|
| - Computer with 9 pin D-shell connector  | SBC1116 |
| - Computer with Phonoconnector           | SBC1103 |
| - Computer with Euroconnector            | SBC1010 |
| - Computer with 6 pin DIN 240° connector | SBC1112 |

**Note:** if you have a computer which does not have above mentioned connections, please consult your dealer.

## Connections



**4 CVBS IN (Phono Type) □**  
CVBS input (composite signal) of the Phono plug type.  
For connection of a computer or other CVBS sources.



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



**4 TTL RGB input (8 pin DIN type 270°)**  
For connection of a computer with a TTL RGB output with separated synchronisation (TTL level).



**4 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.

### 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.

### TV Tuner AV7300 (optional)

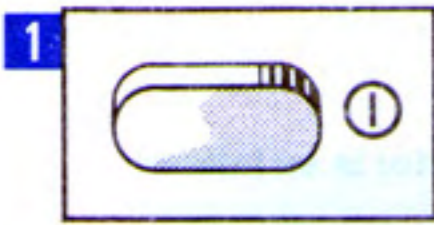
A Philips TV Tuner can be connected to the CVBS IN and AUDIO IN sockets. Your monitor can now be used as a TV set.

### Pedestal AV7202 (optional)

The pedestal enables you to place the monitor into a convenient position by tilting and/or turning the monitor.

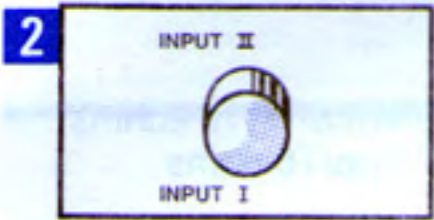
## Adjustment

### Switching on/off



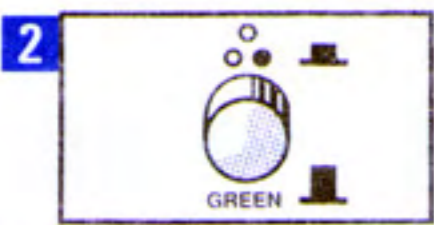
- Switching on** ①
- Press button ① (LED lights up).
- Switching off** ①
- Press button ① again.

### Input I/II switch



- With the INPUT I/II switch you can either choose the signal from the phono connectors or from the EURO/DIN connectors.

### Green switch



- With button ② you can switch to green letters (used with text processing).

### Picture and sound controls

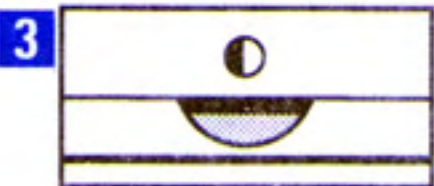
For an optimum adjustment of the video and audio input signals various controls are available.



- The image may be positioned horizontally with knob ③.



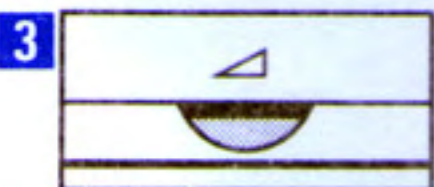
- Adjust brightness with knob ③.



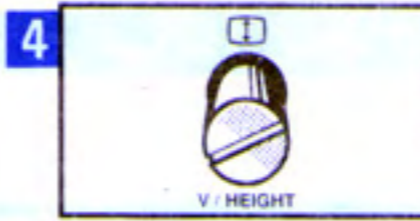
- Adjust contrast with knob ③.



- Adjust saturation of colour with knob ③ (not with connected RGB sources).



- Adjust volume with knob ③.



- V.Height** ④
- You can adjust the image height with knob ④.



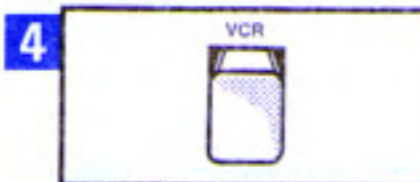
- V.Centering** ④
- The image may be positioned vertically with knob ④.



- H.Width** ④
- The image width can be adjusted with knob ④.



- RGB STATUS switch**
- Push the RGB STATUS switch when your RGB computer does not supply the RGB STATUS voltage. When doing so the Euroconnector and DIN connector will be in the RGB mode.



- 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.

## 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.

## Technical information

### Technical specifications CM88 \* \* range \*

#### I) General

Picture tube	: 14 inch, dark screen, 90° deflection
Line frequency	: 15625 Hz
Raster frequency	: 50/60 Hz
Sound output	: 1 watt 5% distortion
Mains voltage	: 230 Volt ± 15%
Power consumption	: 75 Watt typ.
Dimension (H x W x D)	: 323 x 350 x 381
Weight	: 11 kg

#### II) Specification with respect to model number

Model number	CM 8802	CM 8832	CM 8833	CM 8852
Picture tube pitch				
Slotted/Dotted (mm)	.65E	.42S	.42S	.39D
Resolution on RGB application (lines)	390	600	600	700
Characters on RGB application	> 1600	2000	2000	> 2000

#### Input signals

Composite video				
1 V ± 0.5 Vpp/75 Ohm	*	-	*	-
RGB linear 0.7 Vpp/75 Ohm	*	*	*	*
RGBI TTL	-	*	*	*
Audio Mono/Stereo				
150 mV - 2 Veff/10 kOhm	M	M	S	M

#### Connectors

Phono connector	*	-	*	*
Euroconnector	*	*	*	*
8-pol.DIN connector	-	*	*	*
Headphone connector 3.5 mm	*	*	*	-

#### Controls/switches

Colour saturation	*	-	*	-
Input I/II selector	-	-	*	-
RGB status switch	*	-	*	-
VCR switch	*	-	*	-
Green switch	-	*	*	*

\* This data may be changed without notice.

## Euroconnector



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

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

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

## TTL RGB DIN specification



Pin 1	open
Pin 2	red
Pin 3	green
Pin 4	blue
Pin 5	intensity
Pin 6	earth
Pin 7	H.synchronisation or composite synchronisation
Pin 8	V.synchronisation