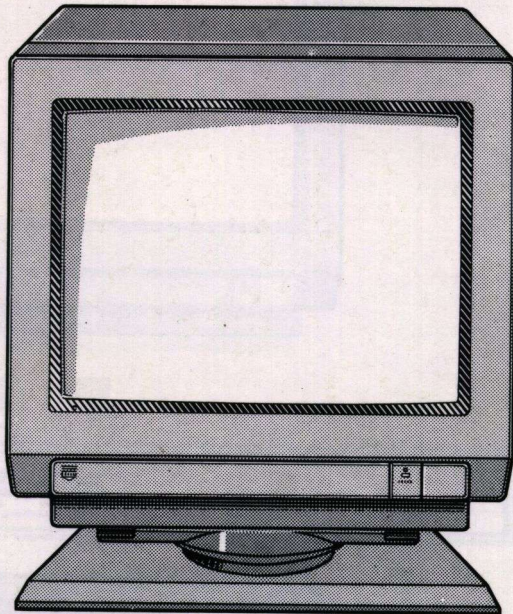




**PHILIPS**



**3CM9609 3CM9809 9CM082**

Professional colour monitor

Professioneller Farbmonitor

Moniteur couleur professionnel

Professionele kleurenmonitor

Monitore professionale a colori

Monitor profesional en color

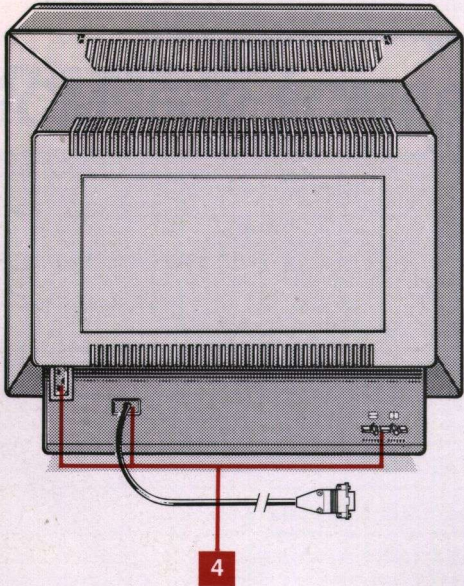
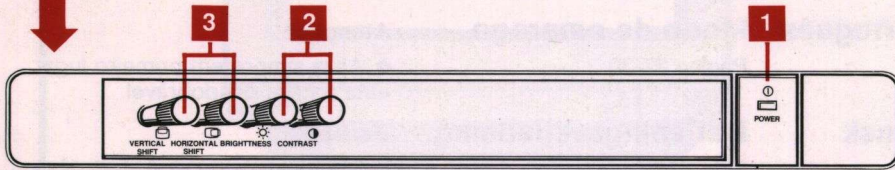
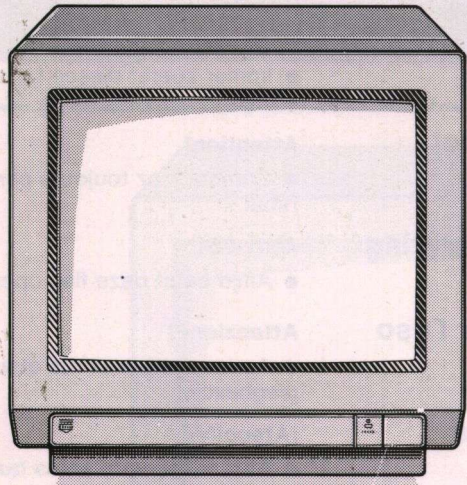
Monitor de cores profesional

Professionel farve-monitor

Profesjonell fargemonitor

Professionell färgmonitor

Värimonitori



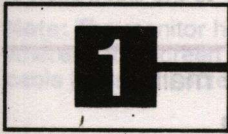
## Introduction

This professional colour monitor is designed for use with personal computers that are fitted with a VGA\*/MCGA\* or any other compatible video display interface card.

The monitor automatically adapts to any of the VGA\*/MCGA\* modes.

## Important

**Check the technical information chart for the exact specifications of your 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.

\* Registered trade marks referred to:  
V.G.A.: Video Graphics Array  
M.C.G.A.: Multi Colour Graphics Array

## 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 monitor 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 inexpert 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:

#### WARNING: 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.

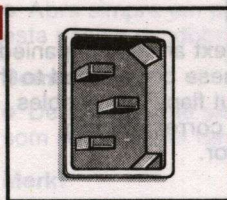
### Pedestal

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

To fit the pedestal, refer to the illustration on the rear flap.

### Connection to the mains

4

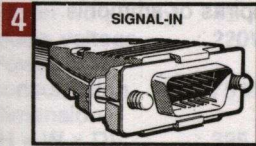


You can connect your monitor to a mains voltage of between 220 and 240 V. If the mains voltage in your home is different from this, consult your dealer. Connect the mains lead to the mains socket at the back of the monitor. Connect the other end of the mains lead to the mains supply.

## Connection

Connecting the monitor to the computer.

The monitor is equipped with a signal connection cable with a 15-pin D-shell connector and can easily be connected to your personal computer.

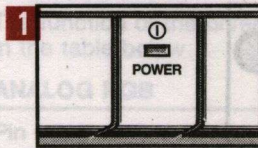


SIGNAL-IN (15-pin D-shell connector).

**Note:** The monitor has a self-test facility whereby the screen lights up whenever the cable is disconnected.

## Adjustment

### Switching on/off



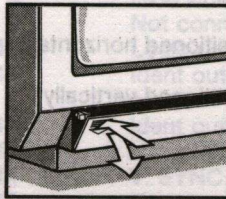
#### Switching on ①

- Press button ① (LED lights up).

#### Switching off ①

- Press button ① again.

### Control panel





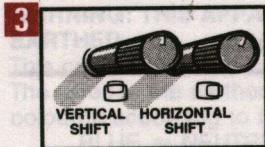
- Open the cover.



## Picture controls

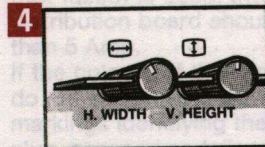
For an optimum adjustment of the video input signals various controls are available at the front:





- Adjust contrast with knob .
- Adjust brightness with knob .



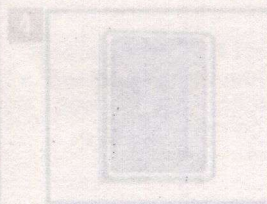
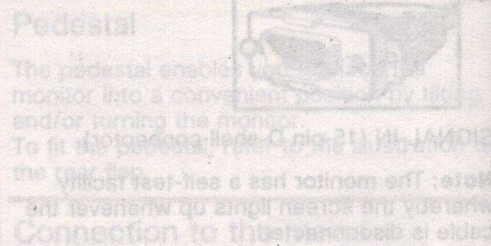
- The image may be positioned horizontally with knob .
  - The image may be positioned vertically with knob .
- on the rear:



- You can adjust the image height with knob .
- The image width can be adjusted with knob .

## 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.



You can connect your monitor to a mains voltage of between 230 and 240 V. If the mains voltage in your home is different from this, consult your dealer. Connect the mains lead to the mains socket at the back of the monitor. Connect the other end of the mains lead to the mains supply.

# Technical information

## Technical specifications \*

### I) General

Picture tube	: 14 inch, dark screen, 90° deflection
Line frequency	: 31,468 KHz
Raster frequency	: 48-75 Hz
Mains voltage	: 220V/240V/50 Hz
Power consumption	: 75 Watt typ, 85 Watt max
Dimension (H x W x D)	: 325 x 356 x 407 mm
Weight	: 10,5 kg

### II) Specification

Model number	3CM9609	3CM9809	9CM082
Picture tube pitch			
Dotted (mm)	.39D	.29D	.31D
Resolution on RGB application (lines)	850	850	850
Characters on RGB application	2000	2000	2000

### Input signal

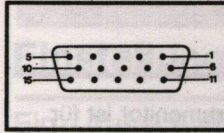
Analog RGB	*	*	*
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### Connector

15-pin D-shell

Connector	*	*	*
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\* This data may be changed without notice.



The function of the different pins is shown in the table below:

### ANALOG RGB

#### Pin no.

1	Red video input
2	Green video input
3	Blue video input
4	Not connected
5	Self-test input
6	Red video ground
7	Green video ground
8	Blue video ground
9	Not connected - No pin
10	Logic ground
11	Ident output - Connected to pin 10
12	Ident output - Not connected
13	H. SYNC
14	V. SYNC
15	Not connected