

Panasonic



TC-M21K
TC-M14K

Operating
Instructions

WELCOME

Dear Panasonic Customer,

Welcome to the Panasonic family of customers. We hope that you have many years of enjoyment from your new monitor. The best way to understand the features of this monitor is to read this book thoroughly, before operating the monitor.



WARNINGS AND PRECAUTIONS

- D This monitor is designed to operate on A.C. 220 – 240V, 50Hz.
- D Do not expose this monitor to rain, dripping, splashing or excessive moisture. Ensure that no objects filled with liquids, such as vases, are placed on the monitor.
- D **WARNING: HIGH VOLTAGE !**
Do not remove the rear cover, there are no user serviceable parts inside.
- D Avoid exposing the monitor to direct sunlight or other sources of heat. Ensure that no naked flame sources, such as lighted candles, are placed on the monitor.
- D Remove the mains plug from the wall socket when the monitor is not to be used for a prolonged period of time. Do not pull the power cable to remove the mains plug from the socket, always remove it by the plug.
- D **CABINET AND PICTURE TUBE CARE**
Remove the mains plug from the wall socket. The cabinet and picture tube can be cleaned with a soft cloth moistened with mild detergent and water. Do not use solutions containing benzol or petroleum. Monitors can produce static electricity, care must be taken whenever touching the monitor screen.
- D Adequate ventilation is essential to prevent failure of electrical components. We recommend that a gap of at least 5cm is left all around this monitor even when it is placed inside a cabinet or between shelves.

FOR YOUR SAFETY PLEASE READ THE FOLLOWING CAREFULLY

WARNING – THIS APPLIANCE MUST BE EARTHED

This appliance is supplied with a fitted three pin mains plug for your safety and convenience. A 5 amp fuse is fitted in this plug. If the fuse is replaced then the replacement fuse must be 5 amp rated and should be approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the fitted plug has a removable fuse cover you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained. Replacement fuse covers can be purchased through your local Panasonic dealer.

The plug fitted to this appliance incorporates a mains filter circuit. If this is removed or replaced with a non-filtered mains plug this monitor will no longer meet the European standards for Electromagnetic Compatibility (EMC). If the fitted plug is unsuitable for the socket outlet in your home an appropriate adapter should be used.

Nonetheless, if the fitted plug is replaced, the fuse should be taken out and the cut-off plug disposed of safely. There is danger of severe electrical shock if the cut off plug is inserted into any 13amp socket.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

How to replace the fuse :

Lift out the removable fuse compartment with a screwdriver and replace the fuse, then refit securely into the mains plug.


IMPORTANT : – The wires in the mains lead of this appliance are coloured in accordance with the following code :

GREEN & YELLOW : EARTH

BLUE : NEUTRAL

BROWN : LIVE

As the colours of the wires in the mains lead of this appliance may not correspond to the markings identifying the terminals in your plug, proceed as follows : –

1. The **GREEN & YELLOW** wire must be connected to the terminal marked with the letter 'E' or the earth symbol  or coloured green or green and yellow.
2. The **BLUE** wire must be connected to the terminal marked 'N' or coloured black.
3. The **BROWN** wire must be connected to the terminal marked 'L' or coloured red.



Important Note :
The layout of the mains plug used may differ from this illustration.

INSTALLATION AND SET-UP

1

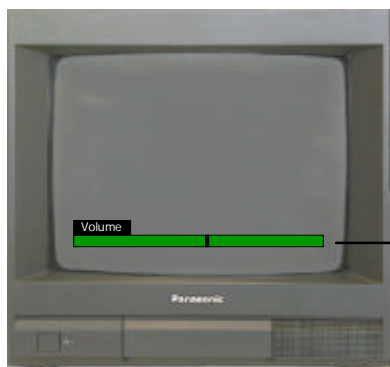
Connect input equipment as shown on page 4.
Plug the monitor into a mains socket and switch ON.

2

To switch ON press the power On / Off button on the front of the monitor. If the power to this monitor is interrupted whilst it is switched on, when power is returned the monitor will automatically switch back on. To switch OFF press the power On / Off button again.

LOCATION OF CONTROLS

On Screen Displays



Cursor Bar

Front Panel Controls



Mains Power
On/Off switch

F
Selects a function from :
Volume, Contrast, Brightness,
Colour, Sharpness, Tint (M.NTSC
/ NTSC only), Aspect, Colour
Balance or Colour System

- , +
When a function is already
displayed, allows adjustment
of the function.
When no function is displayed,
allows selection of AV source
from: Source A, Source B and
S - VHS Source B/S

Using the On Screen Displays (OSDs)

Sound and picture adjustments are carried out using a series of On Screen Displays, accessed by pressing the **F** key on the front of the monitor.

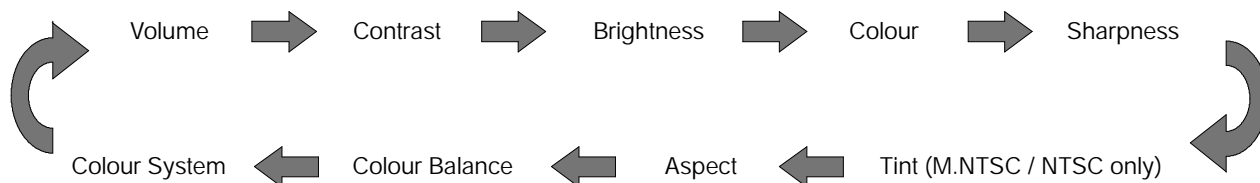
1

Press **F** repeatedly to select the required function.

2

The following adjustments may be made in turn: Volume, Contrast, Brightness, Colour, Sharpness, Tint (M.NTSC / NTSC only), Aspect, Colour Balance or Colour System.
Press **(+)** to increase or **(-)** to decrease the setting.

FUNCTION SEQUENCE



If the **F** key is not pressed within a few seconds of each selection the display will disappear.
When the **F** key on the front of the monitor is pressed again, the display will start off at Volume.
Colour System allows choice from: AUTO, PAL, SECAM, M.NTSC, NTSC.

ACCESSORIES

AC Mains Power Lead
(TSX8E0041)

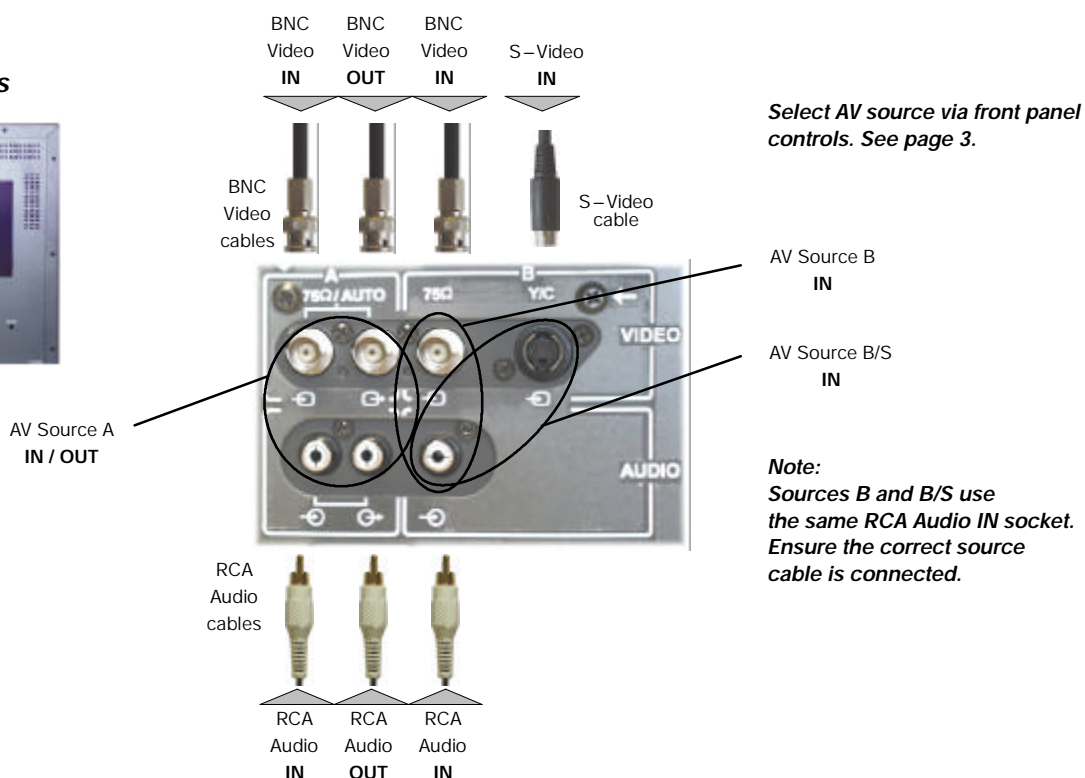


CONNECTION TO OTHER EQUIPMENT

Rear RCA Audio In / Out and BNC Video In / Out sockets

External equipment can be connected to the various AV inputs and outputs provided.

Rear AV sockets



Do not connect a computer with TTL output (5V) to this monitor.

Use 75Ω coaxial cable [RG-59/U (3C-2V), RG-6/U (5C-2V), RG-14/U (7C-2V), RG-15/U (10C-2V)].

This monitor is not classed as professional standard equipment. We recommend a MAXIMUM of 10 pieces when configured in a loop system utilising the video out facility. Brightness adjustment may also be necessary to achieve desired performance. Total cable length should not exceed 150m.

Connectors and cables shown are not supplied.

Type of coaxial cable		RG-59/U(3C-2V)	RG-6/U(5C-2V)	RG-11/U(7C-2V)	RG-15/U(10C-2V)
Recommended maximum cable length	(ft)	825	1,650	1,980	2,640
	(m)	250	500	600	800

SPECIFICATIONS

TROUBLESHOOTING

Model Number	TC-M21K	TC-M14K	Symptom	Check
Power Source	220 - 240V 50Hz A.C.		No picture, no sound	Not plugged into A.C. outlet. Not switched on. Picture/sound controls set to minimum.
Power Consumption	48W	34W	No colour	Check colour level.
Picture Tube (visible diagonal)	51cm	34cm	Normal picture, no sound	Check volume level.
Audio Output (Music)	6W, 8Ω impedance, Mono		Interference	Electrical appliances, cars / motorcycles, fluorescent lights.
Dimensions (HxWxD)	466x500x470	351x370x371		
Weight	27kg	13kg		
Colour System	PAL, SECAM, M. NTSC, NTSC, PAL60			
AV - Rear	A - RCA Audio in/out, BNC Video in/out B - RCA Audio in, BNC Video in, B/S - 4 pin S-Video in, (RCA Audio in) Video loop - 10 pieces maximum			

Design and specifications are subject to change without notice. Weights and dimensions shown are approximate.

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