

INSTRUCTION MANUAL

VMC-8615FP

Colour Video Monitor



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FEATURES

- **Equipped with video and audio input terminals**
The video and audio input terminals (two systems for each input) allow loop-through.
- **Equipped with Y/C input (S-VIDEO input) terminal**
This terminal is used to input Y/C separation signals (S-VIDEO signals).
- **Eight languages OSD MENU**
ENGLISH, FRANCAIS, DEUTSCH, ESPAÑOL, ITALIANO, RUSSIAN, CHINESE, JAPANESE
- **Horizontal resolution**
More than 800 TV lines
- **PAL/NTSC colour system, selected automatically**
- **Built-in speaker**
- **Multi voltage (100 – 240 V)**

ACCESSORY

- **AC power cord (Re-attachable)**

Important (U. K. only)

Connect the mains lead to a suitable plug following the colour code:

- **Blue wire (Neutral) → to plug pin N or coloured black**
- **Brown wire (Live) → to plug pin L or coloured red**
- **Green and Yellow wire (Earth) → to plug pin E or “⏏”**

Do not connect Blue and Brown wire onto plug pin E or onto earth symbol “⏏”.

About this manual

Before installing and using this unit, please read this manual carefully. Be sure to keep it handy for later reference.

PRECAUTION

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR OTHER MOISTURE. To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only. If the power supply cord (AC power cord) of this appliance is damaged, it must be replaced. Return to a SANYO Authorised Service Centre for replacement of the cord.

If an abnormality does occur, turn the power switch off and unplug the unit. Have a qualified technician perform any repairs.

Do not use the monitor if it makes a strange noise, emits a strange odor, or if smoke comes out from it

If used under these conditions, the monitor may cause a fire or electric shock. Immediately unplug it and wait to make sure no more smoke comes from it. Then take it to the dealer for service. Do not try to repair or open the monitor yourself.

Do not allow the power cord to get damaged

- Do not place heavy objects on the power cord.
- Do not place the power cord near a heat source.
- Do not excessively bend the power cord, modify it, or secure it with staples.

Doing so may damage the power cord and cause a fire or electric shock.

If the power cord is damaged, take it to the dealer and have it replaced.

Do not allow dust or dirt to build up on the power cord or power outlet

A build-up of dust may cause a short circuit or generate heat and cause a fire.

Be especially careful when using the monitor in areas of high humidity, in areas with frequent condensation, in kitchens, and in places where there is excessive dust.

Periodically unplug the power cord and clean away the dust that builds up between the plug terminals.

Cautions when plugging in the power cord

- Make sure you insert the plug of the power cord all the way in the power outlet. Using the monitor with the power cord not fully plugged in may cause heat to generate and cause a fire.
- Do not use the monitor with the power cord wound or tied up. Heat may generate and cause a fire.
- When using an extension cord, be sure that the total current load of all equipment connected to it does not exceed the specified ratings of the extension cord. If the ratings are exceeded, heat may generate and cause a fire. Make sure to carefully read the specifications accompanying the extension cord.

Do not modify or open the cabinet

Never touch the inside of the monitor. High voltage circuits are inside, and there is a high risk of fire or electric shock if they are touched. Any internal checks, settings, or repairs should be performed by the dealer.

Do not place object inside the monitor

- Do not insert any metallic object through the ventilation grills.
- Do not stick metal objects (paper clips, hair pins, etc.), paper, matches, etc., inside the monitor.

Do not place object containing liquids (flower vase, etc.) on top of the monitor.

If water or any other liquid does get inside the monitor, immediately turn it off and unplug it.

Do not get the monitor wet

- Do not allow the monitor to get wet or allow water or other liquids inside it. Doing so may cause a fire or electric shock. Be especially careful during rainy weather, snowy weather, near the beach, or near bodies of water.
- Do not use the monitor in a bathroom.

Do not use the monitor during a lightning

Do not touch it or its power cord during a lightning. Doing so may cause an electric shock.

Do not place the monitor on an unstable surface

It may fall, causing damage or personal injury. If it falls and its body is damaged, immediately turn it off and unplug.

Never pull on the cord to unplug the power cord

- Always unplug the power cord by holding the power plug and slowly pulling out. Pulling at the cord may damage the power cord and cause a fire or electric shock.
- Do not touch the power cord or plug with wet hands. Doing so may cause an electric shock.

Cautions regarding the location where the monitor is used.

- Do not place it in locations with excessive humidity or dust, or location subjected to oily vapors or steam.
- Do not place it in locations subject to direct sunlight or near heat generating equipment. Doing so may cause an accident or property damage.

Do not cover the air vents

Do not place the monitor in a poorly ventilated location. Do not block its air vents by covering it with a cloth, placing it on a carpet or blanket, or other means. If the air vents are blocked, the internal temperature will rise and it may cause a fire.

Cleaning

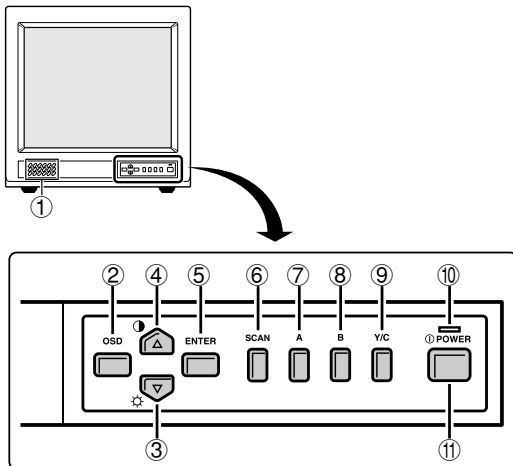
- Dirt can be removed from the cabinet by wiping it with a soft cloth. To remove stains, wipe with a soft cloth moistened with a soft detergent solution and wrung dry, then wipe dry with dry soft cloth.
- Do not use benzine, thinner or other chemical product on the cabinet, as that may cause deformation and paint peeling. Before using a chemical cloth, make sure to read all accompanying instructions. Make sure that no plastic or rubber material comes in contact with the cabinet for a long period of time, as that may cause damage or paint peeling.

SERVICE

This unit is a precision instrument and if treated with care, will provide years of satisfactory performance. However, in the event of a problem, the owner is advised not to attempt to make repairs or open the cabinet. Servicing should always be referred to your dealer or Sanyo Authorized Service Centre.

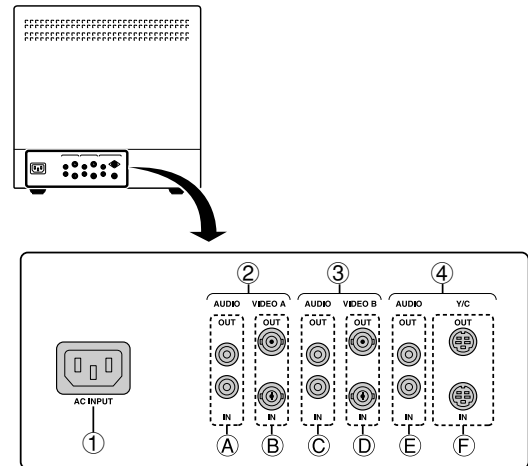
PARTS NAMES

Front Panel



- ① **Speaker**
When the monitor selector button (A, B or Y/C) is pressed, the speaker lets you hear the sound from the unit which is connected to the audio input terminals at the rear of the monitor.
- ② **On-screen display button (OSD)**
When this button is pressed, the menu screen appears on the monitor screen.
- ③ **Cursor (▼) button (⏏)**
When this button is pressed, the cursor moves down. When it reaches the bottom, it reappears at the top. In addition, this button is used to make adjustment values smaller.
- ④ **Cursor (▲) button (⏏)**
When this button is pressed, the cursor moves up. When it reaches the top, it reappears at the bottom. In addition, this button is used to make adjustment values larger.
- ⑤ **Display selector button (ENTER)**
If this button is pressed while the menu is on the monitor screen, the screen changes to the adjustment screen. If the button is pressed once more, the picture returns to the previous screen.
- ⑥ **Underscan/overscan select button (SCAN)**
The initial setting is for the normal screen (overscan). If the **SCAN** button is pressed, the screen will become smaller (underscan) than the normal screen. Change this setting in cases such as when screen display characters are missing. If the **SCAN** button is pressed once more, the normal screen is displayed again.
- ⑦ **Monitor A selector button (A)**
When this button is pressed, the audio and video input changes to the unit which is connected to the A terminals at the rear of the monitor.
- ⑧ **Monitor B selector button (B)**
When this button is pressed, the audio and video input changes to the unit which is connected to the B terminals at the rear of the monitor.
- ⑨ **Monitor Y/C selector button (Y/C)**
When this button is pressed, the audio and video input changes to the unit which is connected to the Y/C terminals at the rear of the monitor.
- ⑩ **Power indicator (Ⓜ POWER)**
Lights when the power is on.
- ⑪ **Power button (POWER)**
Press this button to turn the power on and off.

Rear Panel



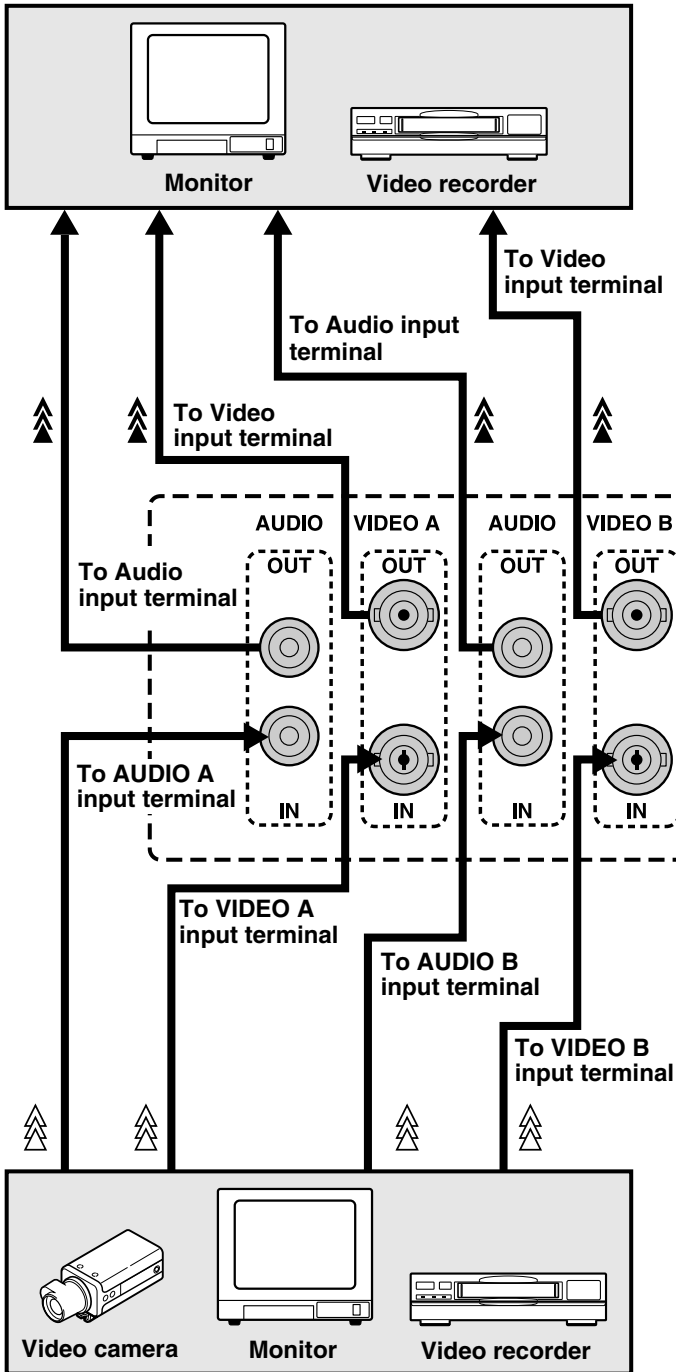
- ① **AC INPUT socket**
Connect the AC power cord (supplied) securely to this socket and to a wall outlet.
 - ② **Rear A terminals (AUDIO/VIDEO A terminals)**
When the monitor A selector button at the front of the monitor is pressed, the audio and video signals from the unit which is connected to these terminals can be monitored.
 - Ⓐ AUDIO OUT/IN terminals
 - Ⓑ VIDEO OUT/IN terminals
 - ③ **Rear B terminals (AUDIO/VIDEO B terminals)**
When the monitor B selector button at the front of the monitor is pressed, the audio and video signals from the unit which is connected to these terminals can be monitored.
 - Ⓒ AUDIO OUT/IN terminals
 - Ⓓ VIDEO OUT/IN terminals
 - ④ **Rear Y/C terminals (AUDIO/VIDEO Y/C terminals)**
When the monitor Y/C selector button at the front of the monitor is pressed, the audio and video signals from the unit which is connected to these terminals can be monitored.
 - Ⓔ AUDIO OUT/IN terminals
 - Ⓕ S-VIDEO OUT/IN terminals
- Note:** If there is no signal being input from the input terminals selected (A, B or Y/C) at the rear of the monitor, "NO SIGNAL" will be displayed.

CONNECTIONS

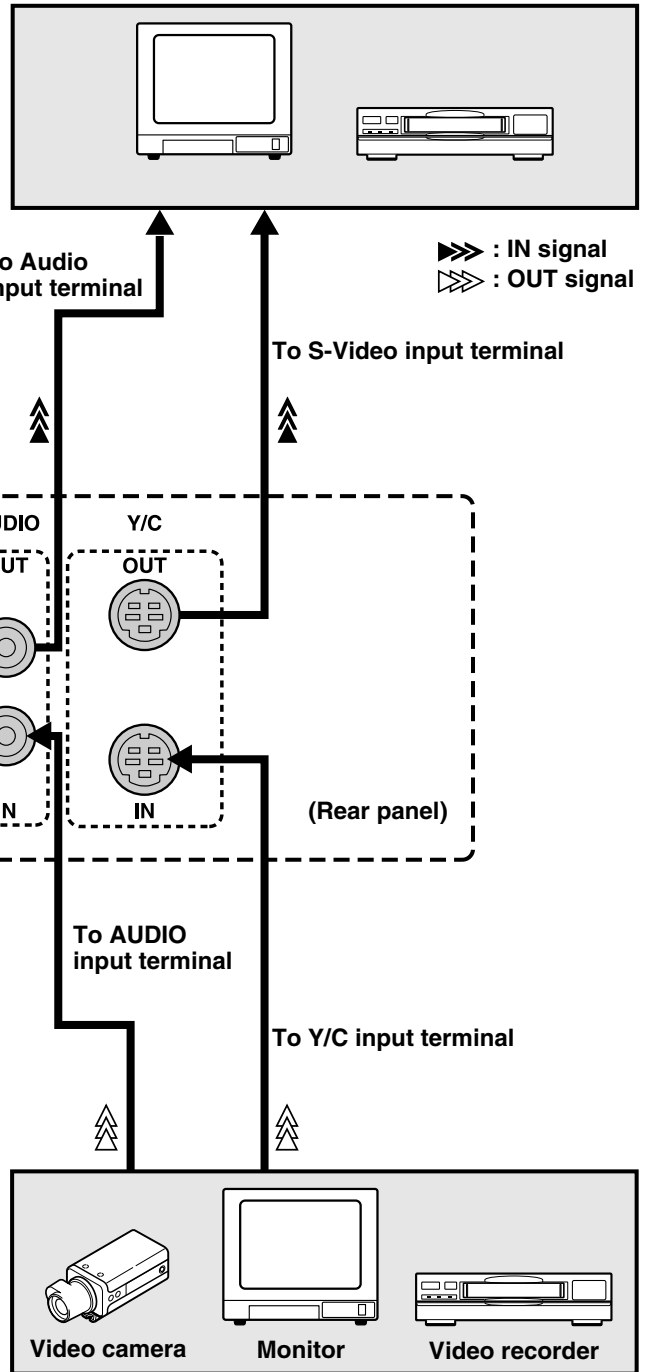
Before making any connection, make sure all the devices are turned off.

Before making the connections, please refer to the instruction manual accompanying each device. If the devices are not connected properly, that may cause a fire and/or damages.

Basic connections



Connections to the S-Video terminals



Note:

- The components and connection cables are not included and must be purchased separately.
- If connecting a single component, it can be connected to either the A or B terminals at the rear of the monitor.

BASIC OPERATION

1 Press the POWER button to turn on the power.

ON: The power is turned on (the POWER indicator is lit).
The signals from the channel (A, B or Y/C) which was being used when the power was last turned off will be input.

OFF: The power is turned off (the POWER indicator is off).

Note:

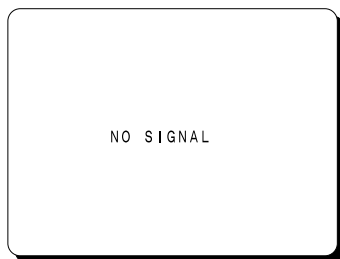
- If the power for the connected components is not turned on, or if a problem with operation has occurred, "VIDEO LOSS" will appear on the screen. If this happens, check the component concerned.
- "VIDEO LOSS" and "NO SIGNAL" will not be displayed when TITLE is set to OFF.

2 Select the audio and video input.

Use the monitor selector buttons (A or B) at the front of the monitor to select the picture being input to either the A or B terminals at the rear of the monitor.

If using the S-VIDEO input terminal at the rear of the monitor, press the monitor Y/C selector button.

Note: If there is no signal being input from the input terminals selected (A, B or Y/C) at the rear of the monitor, "NO SIGNAL" will be displayed.

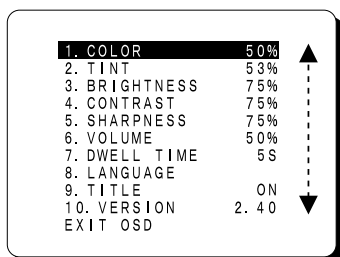


3 Menu screen operations

① Press the OSD button.

The menu screen will be displayed.

The menu screen will only be displayed for about 13 seconds.



② Press the cursor (▼) or (▲) button.

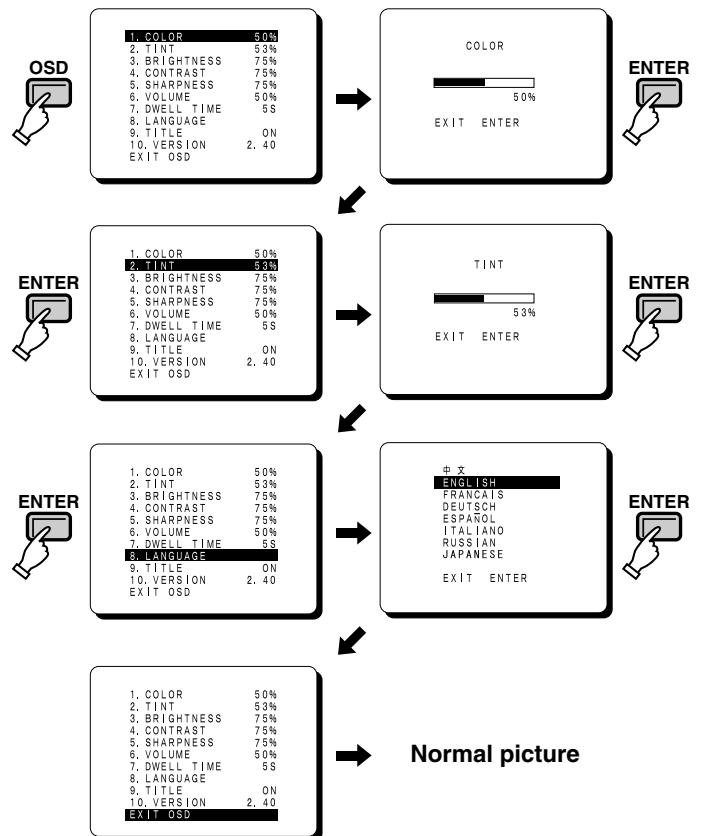
The cursor will move up or down, so that you can select the desired menu item.

To return to the normal monitor screen

- Press the **OSD** button once more, or
- Select "EXIT OSD" and then press the **ENTER** button.

③ Select the desired menu item and then press the ENTER button.

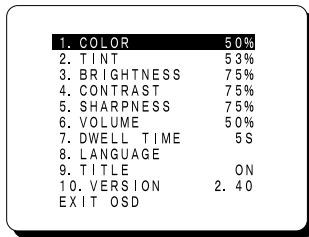
If you press the **ENTER** button repeatedly while the menu screen is being displayed, the display will alternately change between the menu screen and the setting screen. At this time, the menu item will still be selected.



Note: During this operation, "9. TITLE" and "10. VERSION" will be skipped and the screen will go straight to "EXIT OSD".

ADJUST THE OSD MENU ITEM

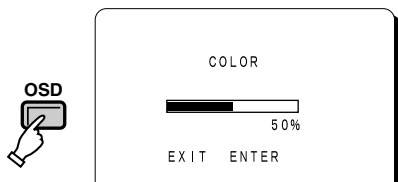
Open the menu screen (press the **OSD** button), use the cursor buttons to select the desired menu item, and then press the **ENTER** button.



Note: The setting characters which are displayed on each adjustment screen (such as 50%) may not display correctly (dropout) in some cases.

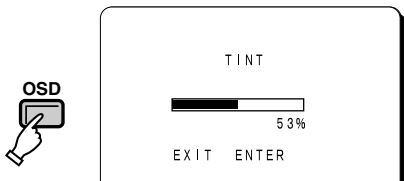
■ COLOR adjustment

- 1 Select "1. COLOR 50%" and then press the **ENTER** button.
- 2 Use the cursor (**▼**) and (**▲**) buttons to adjust the colour of the picture.



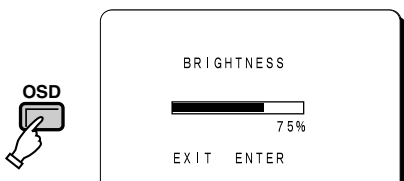
■ TINT adjustment

- 1 Select "2. TINT 53%" and then press the **ENTER** button.
- 2 Use the cursor (**▼**) and (**▲**) buttons to adjust the tint of the picture (NTSC only).



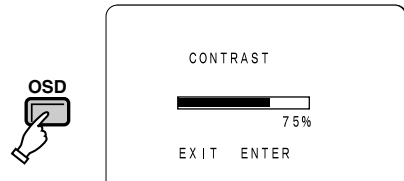
■ BRIGHTNESS adjustment

- 1 Select "3. BRIGHTNESS 75%" and then press the **ENTER** button.
- 2 Use the cursor (**▼**) and (**▲**) buttons to adjust the brightness of the picture.



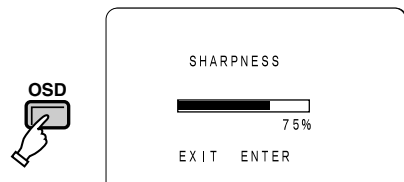
■ CONTRAST adjustment

- 1 Select "4. CONTRAST 75%" and then press the **ENTER** button.
- 2 Use the cursor (**▼**) and (**▲**) buttons to adjust the contrast of the picture.



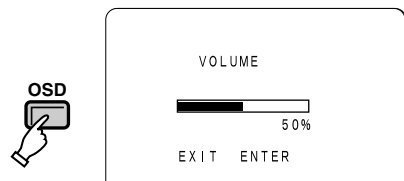
■ SHARPNESS adjustment

- 1 Select "5. SHARPNESS 75%" and then press the **ENTER** button.
- 2 Use the cursor (**▼**) and (**▲**) buttons to adjust the sharpness of the picture.



■ VOLUME adjustment

- 1 Select "6. VOLUME 50%" and then press the **ENTER** button.
- 2 Use the cursor (**▼**) and (**▲**) buttons to adjust the sound volume.



■ Menu screen language setting

- 1 Select "8. LANGUAGE" and then press the **ENTER** button.
- 2 Use the cursor (**▼**) and (**▲**) buttons to select the display language.
 - Only the menu screen and setting screen languages will be changed.

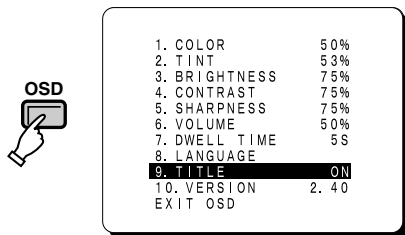


ADJUST THE OSD MENU ITEM

■ Displaying characters such as for setting location on the monitor screen

Note: If there is no signal being input from the input terminals selected (A, B or Y/C) at the rear of the monitor, the title cannot be set for those terminals.

1. Select "9. TITLE ON" and then press the ENTER button.

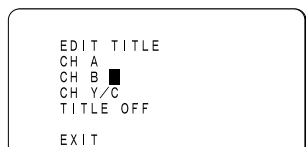


2. To display "ABCD" on the CH B monitor as an example:

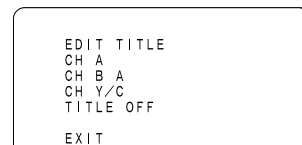
A maximum of eight characters can be displayed on the screen.

Note: The setting screen will disappear after approximately 13 seconds of no activity.

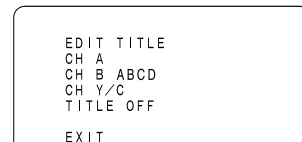
1. Use the cursor (▼) button to select "CH B".



2. Press the ENTER button, and then use the cursor (▲) button to select "A".



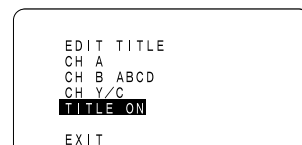
3. Press the ENTER button, and then use the cursor (▲) button to select "B".
4. Press the ENTER button, and then use the cursor (▲) button to select "C".
5. Press the ENTER button, and then use the cursor (▲) button to select "D".



6. Press the OSD button.
The cursor will move to the next monitor display.
The settings for the CH A and CH Y/C monitors can be carried out by the same procedure as described above.

3. Use the cursor (▼) (▲) button to select "TITLE ON", and then press the ENTER button.

The text that has been set for that monitor screen will then be displayed.



TROUBLESHOOTING

Solutions to common problems related to your monitor are describe here. If none of the solutions presented here solve the problem, unplug the monitor and consult a SANYO-authorized dealer or service center for assistance.

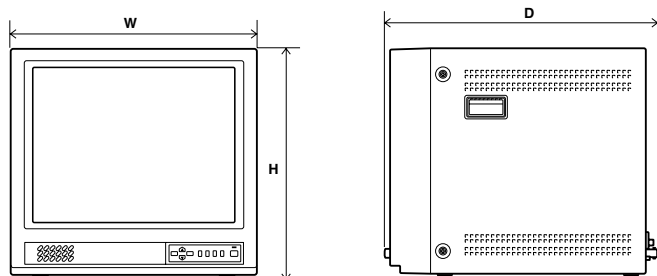
Problems	Points to be checked	Measures (Remedy)	Page
No picture with the power on	Is the video signal being output from the connected component?	Set the connected component correctly.	3
	Is the input signal selected properly?	Select the required video signal input with the monitor selector buttons. (A, B and Y/C)	2
No sound.	Is the audio signal being output from the connected component?	Set the connected component correctly.	3
	Is the volume set to the minimum level?	Adjust the volume using the VOLUME setting screen.	5
	Is the audio cable disconnected?	Securely connect the audio cable.	3
Shaking picture	Is the monitor close to a device which is generating a strong magnetic field?	Move the device away from the monitor until the picture stabilizes.	-
No colour, colour is incorrect or picture is too dark	Have the picture control settings (CONTRAST, BRIGHTNESS, TINT) been changed?	Adjust the settings using the adjustment screens.	5
Uneven or mismatched colour in parts of the picture	Are there any speakers or magnets nearby, or were they brought close to the monitor?	Move the speaker or magnet away from the monitor, and then turn the power off and wait at least 30 minutes before turning the power back on again.	-

SPECIFICATIONS

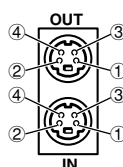
Colour system	PAL/NTSC, selected automatically
Picture tube	15 inch
Resolution	More than 800 TV lines
Input terminals	
S-VIDEO signal (VIDEO C)	Separate Y/C signal, mini-DIN connector (1) Y signal: 1.0 Vp-p, 75 Ω negative sync C signal: 0.286 Vp-p, 75 Ω negative sync
Video signal (VIDEO A, B)	Composite sync signal, 1.0 Vp-p, 75 Ω BNC connector (2)
Audio signal (AUDIO A, B)	– 6 dBs (400 mVrms), RCA pin (3)
Output terminals	
S-VIDEO signal (VIDEO C)	Separate Y/C signal, mini-DIN connector (1) Y signal: 1.0 Vp-p, 75 Ω negative sync C signal: 0.286 Vp-p, 75 Ω negative sync, loop-through, automatic termination setting
Video signal (VIDEO A, B)	Composite sync signal, 1.0 Vp-p, 75 Ω BNC connector (2), loop-through, automatic termination setting
Audio signal (AUDIO A, B)	– 6 dBs (400 mVrms), RCA pin (3), loop-through
Menu screen items	
Picture adjustment	Adjustable COLOR, TINT (NTSC only), BRIGHTNESS, CONTRAST, SHARPNESS
Sound adjustment	Adjustable speaker volume
Language setting	Eight languages (English, Francais, Deutsch, Espanol, Italiano, Russian, Chinese and Japanese)
Title setting	Title entry up to [eight] alphanumeric characters
Overscan or underscan selection	YES
Speaker	x1, impedance of 8 Ω
Audio output	1 W
Power source	100 ~ 240 V AC, 50/60 Hz
Power consumption	95 W
Ambient operating temperature	–10 ~ +45°C, storage temperature
Ambient operating humidity	15 ~ 90%
Dimensions (W x H x D)	368 x 361 x 376 mm
Weight	15 kg
Accessory	AC power cord x1

- Diagrams are shown for explanatory purposes only, and have been exaggerated, abbreviated or created as required, and so may differ from the actual product.
- Features and specifications are subject to change without prior notice or obligations.

■ Dimensions



Y/C (Mini DIN 4 pin) terminal specification



Pin No.	Signal
①	GND (Y)
②	GND (C)
③	Y
④	C

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