

Colour Television TX-25V20M TX-25V20Z

Operating Instructions

Please read these instructions completely before operating this set

TQB4G0104

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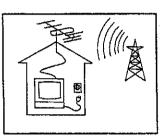
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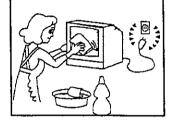
Dear Panasonic Customer

Welcome to the Panasonic family of customers. We hope that you will have many years of enjoyment from your new colour television.

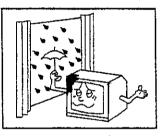
Warnings and Cautions



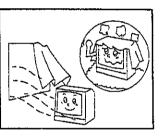
The TV set can be operated on AC Auto 110 ~ 240 V, 50/60 Hz.



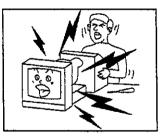
The cabinet and picture tube can be kept in good condition by simply wiping with a clean, soft cloth moistened with mild detergent and water. Do not use solutions containing benzol, petroleum or a chemical cloth. For safety, remove the plug from the wall outlet.



To prevent damage which may result in fire or electrical shock, do not expose the TV set to rain or excessive moisture.

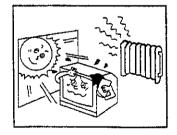


Adequate ventilation is essential to prevent failure of electrical components.

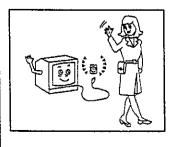


High Voltage :

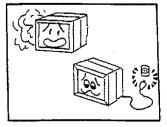
Do not remove the rear cover, as live parts are accessible when it is removed.



Avoid exposing the TV set to direct sunlight and other source of heat.



Remove the plug from the wall outlet (Power point) when the TV set is not used for a prolonged period of time.



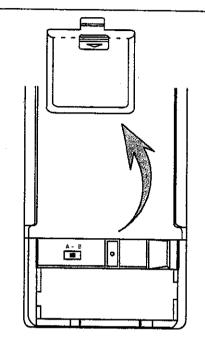
Do not used this set if abnormal operation occurs.

EX: smoke, odd sounds or smells, turn the power switch off and disconnect the AC power if you notice any unusual operation.

Battery Installation and Replacement

Battery Installation

Batteries : Use two " R6 " size dry cells.



- 1. Remove the remote control battery compartment lid by pressing it to the bottom side.
- Insert the batteries correctly
 Replace the cover.
 by observing the polarities

 (+) and (-).

SIZE AA(R6)

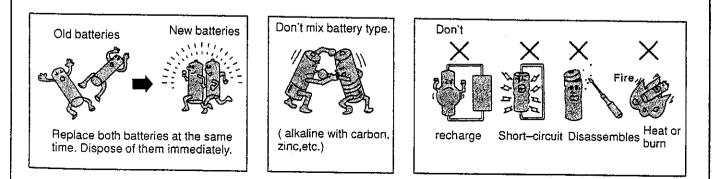
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Battery Precautions

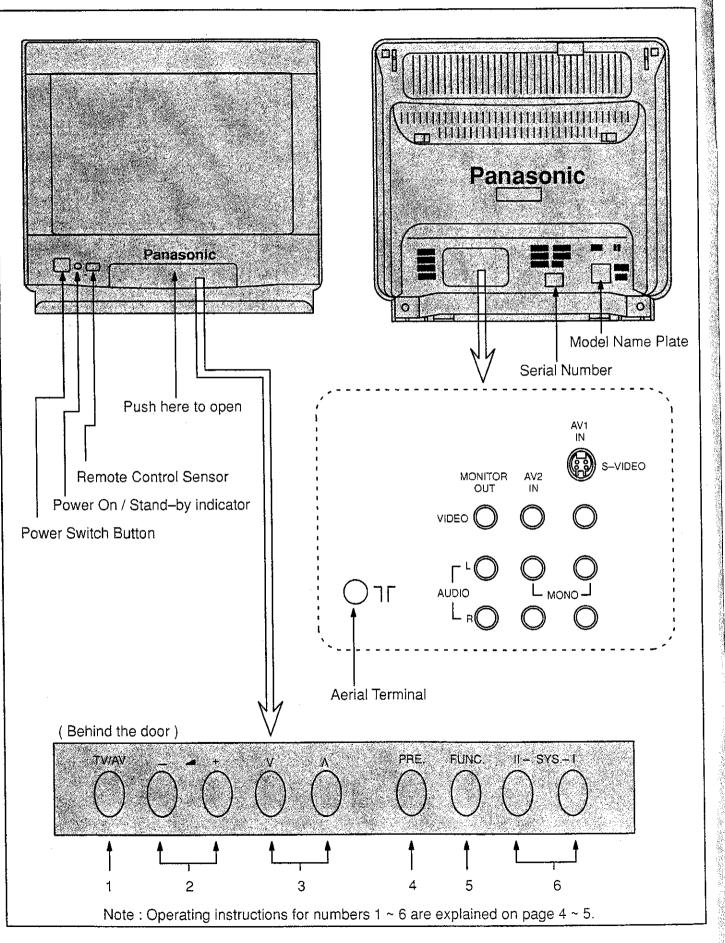
Incorrect use of batteries can cause electrolyte leakage which will corrode the remote control transmitter or cause the batteries to burst.

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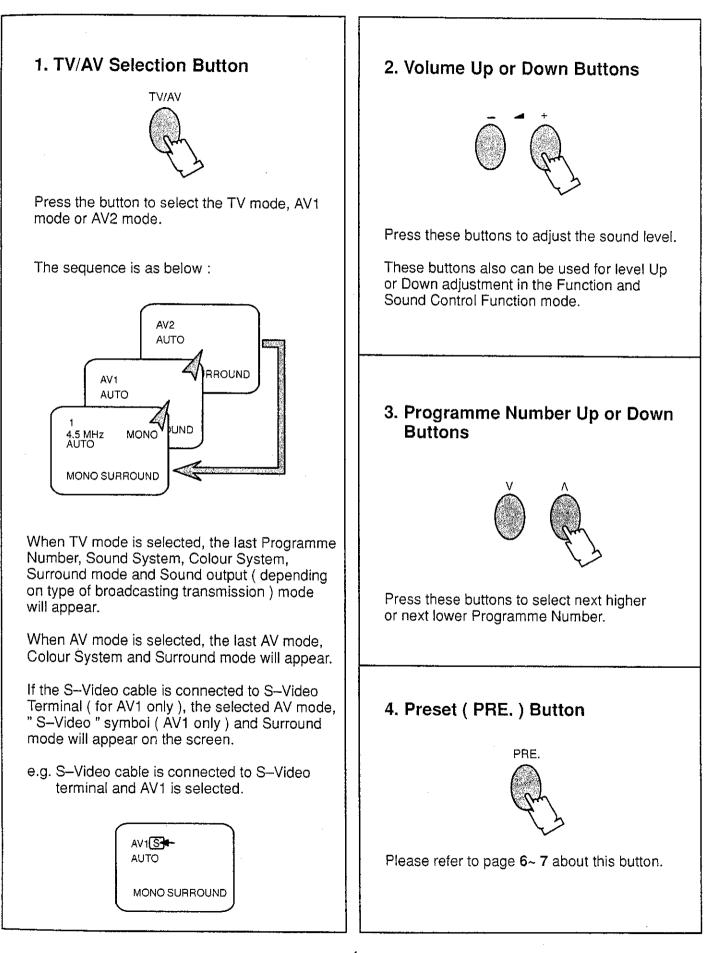
The following precautions must be carefully observed.



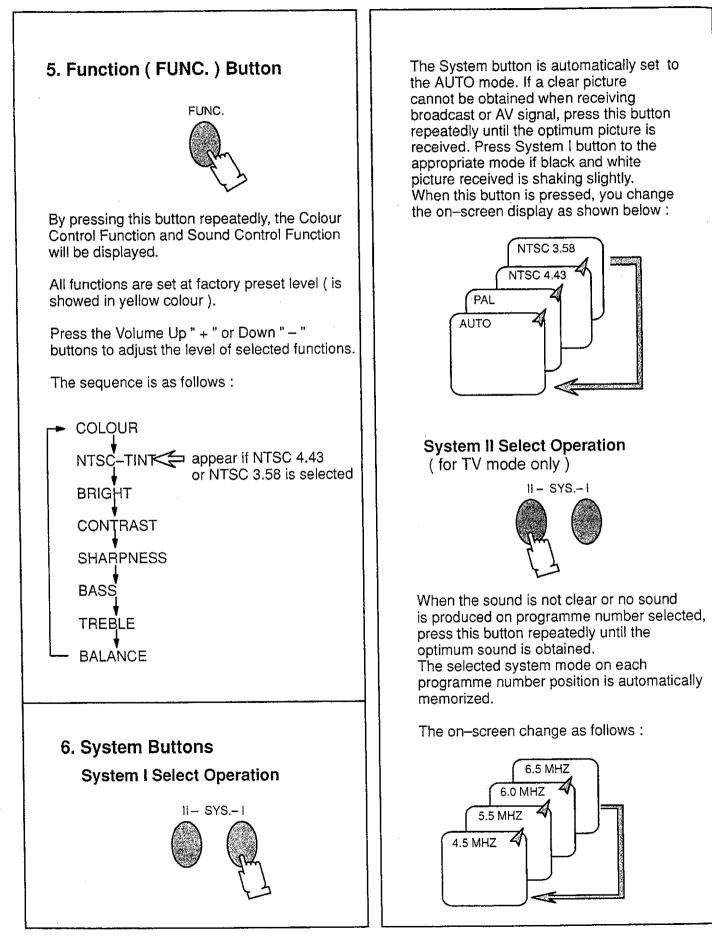
Locations of Control

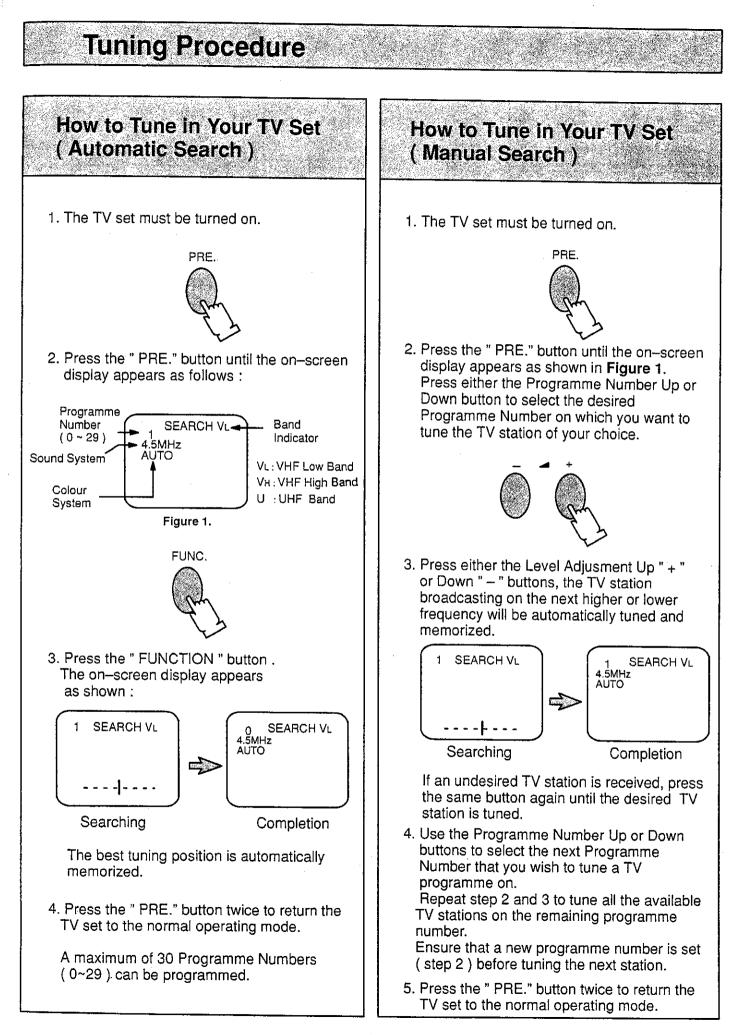


General Operation on the TV Set



General Operation on the TV Set

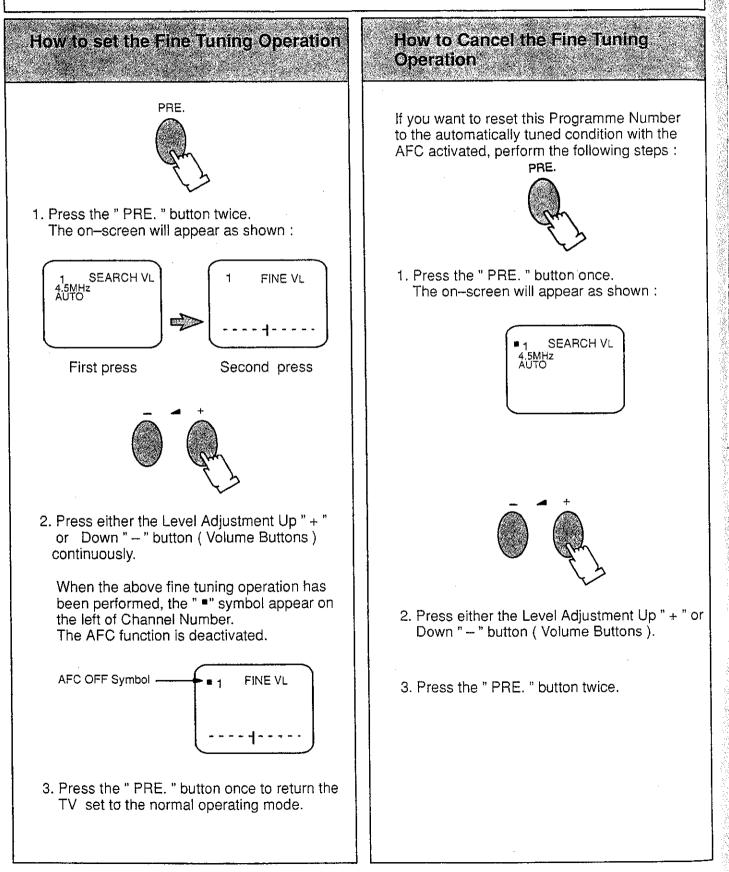




Fine Tuning Operation

Under normal reception condition, this function is not used. However, in areas of poor reception or constant interference, a slight adjustment on the fine tuning can improve the picture and sound quality.

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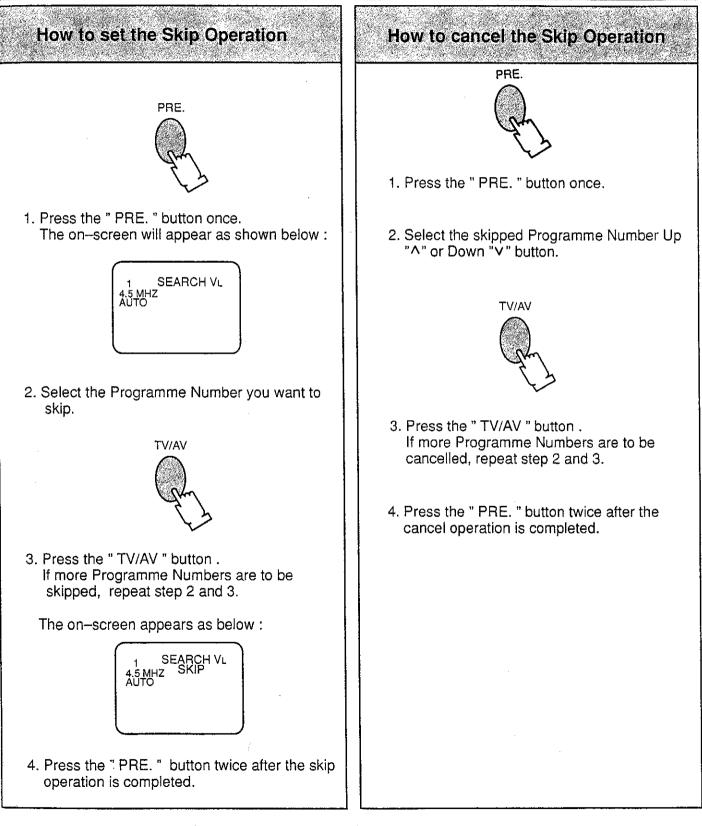


How to Skip Unused Programme Number

Programme Number Skip Operation

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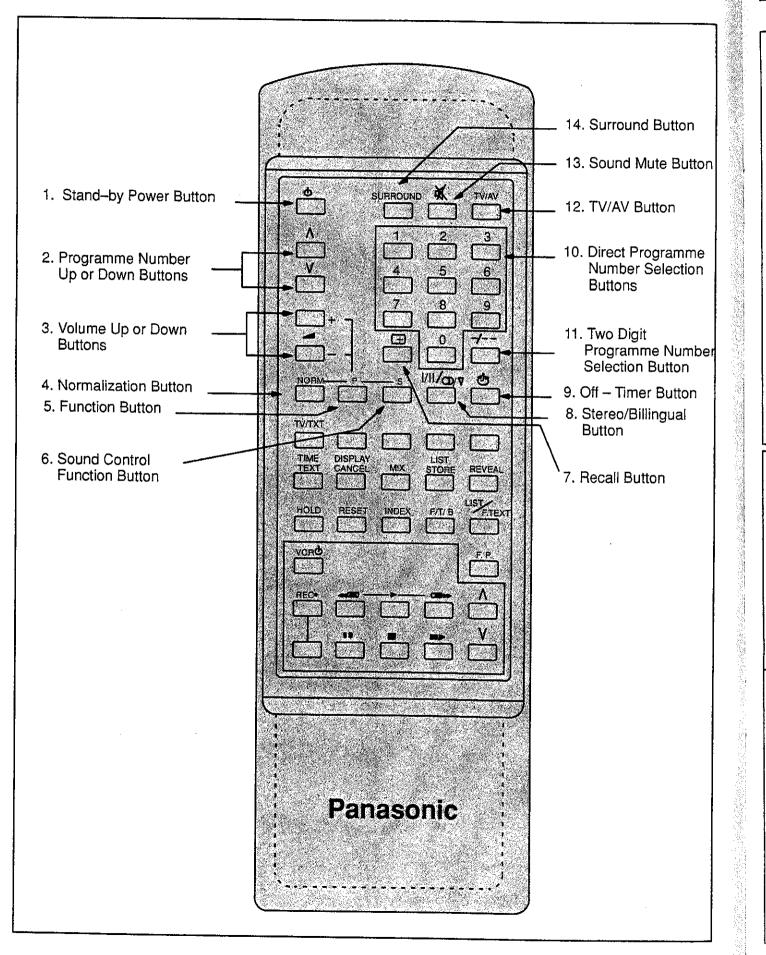
This function makes it possible to skip the Programme Number on which no TV stations are received. This function is effective only when the Programme Number Up or Down buttons is pressed, either on the TV set or the remote control.



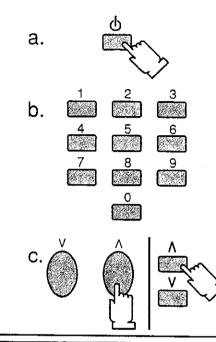
Level a the second state of the

Remote Control Transmitter (for TV)

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1. Power (Stand-by) Button



Press this button to switch the TV set off.

To switch back on perform one of the following:

- a. Press Stand-by button again.
- b. Press one of these Direct Programme Number Selection buttons on the remote control.
- c. Press Programme Number Up / Down on the TV set or on the remote control.

Note : Do not leave your TV set in stand-by mode for a long period of time. It is better to switch your TV off when you are away.

2. Programme Number Up or Down Buttons



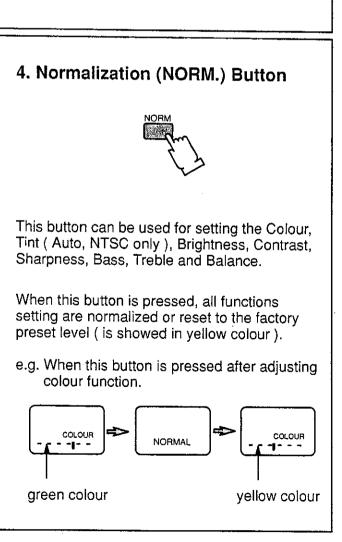
Press these buttons to select next higher or next lower Programme Number.

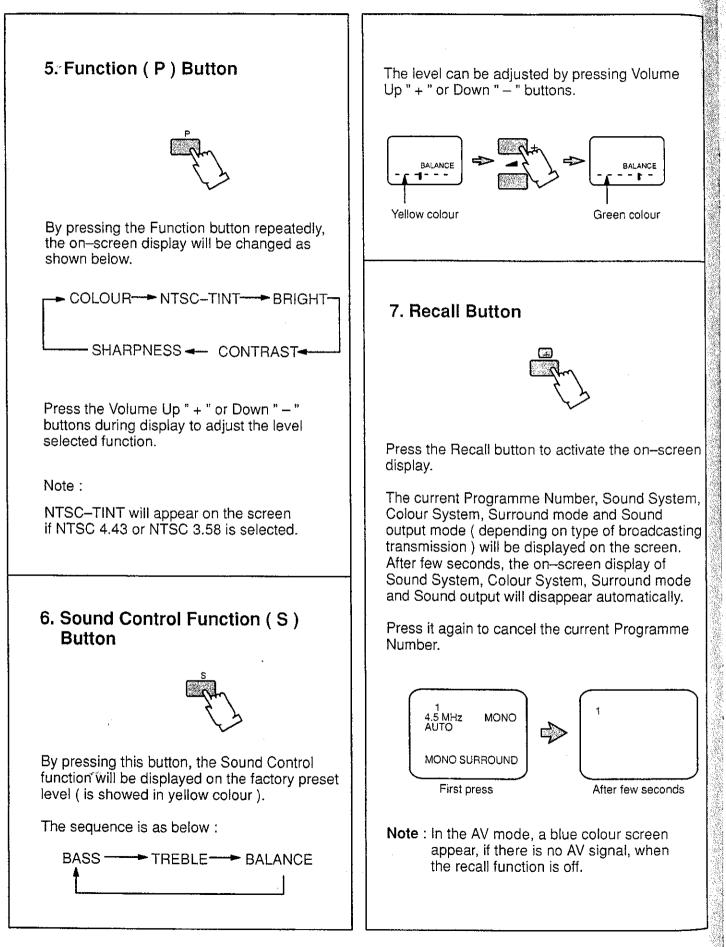
3. Volume Up or Down Buttons

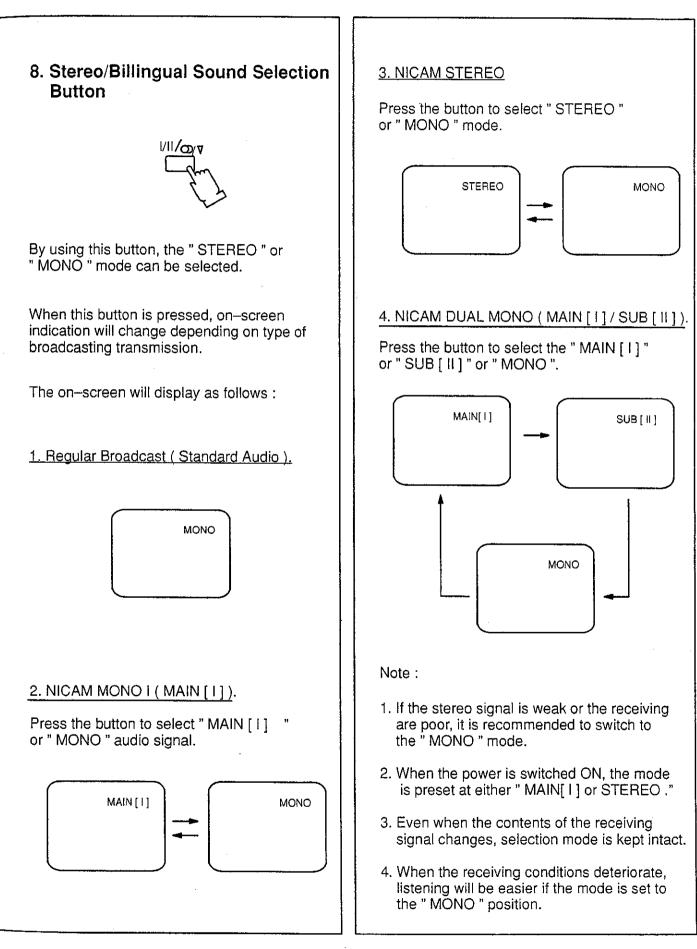


Press the Volume Up or Down buttons to adjust the sound level.

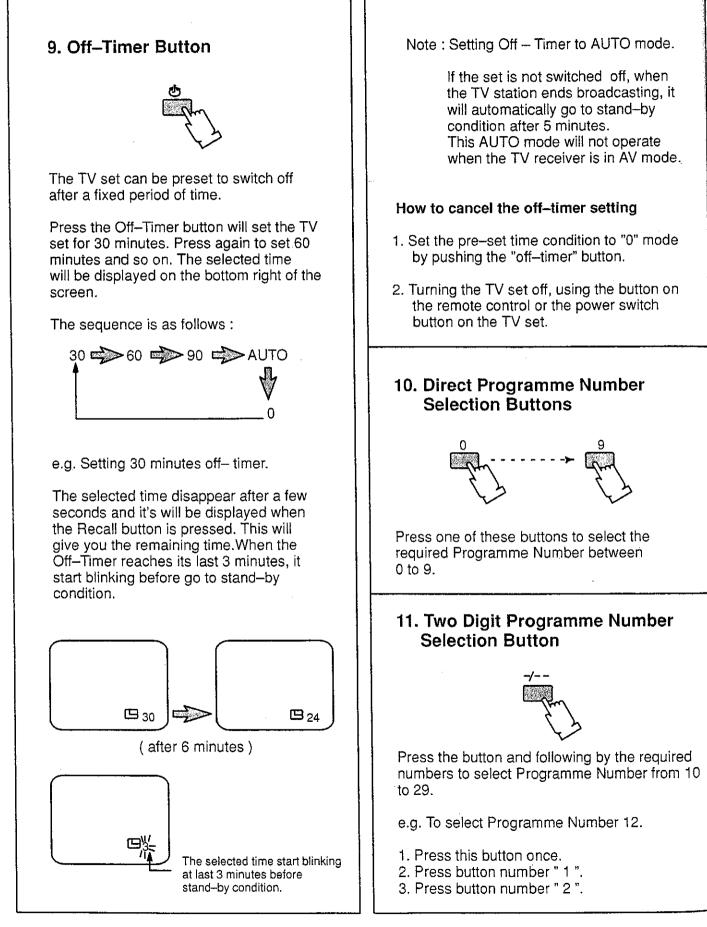
These buttons also can be used for level Up or Down adjustment in the Function mode and Sound Control Function mode.

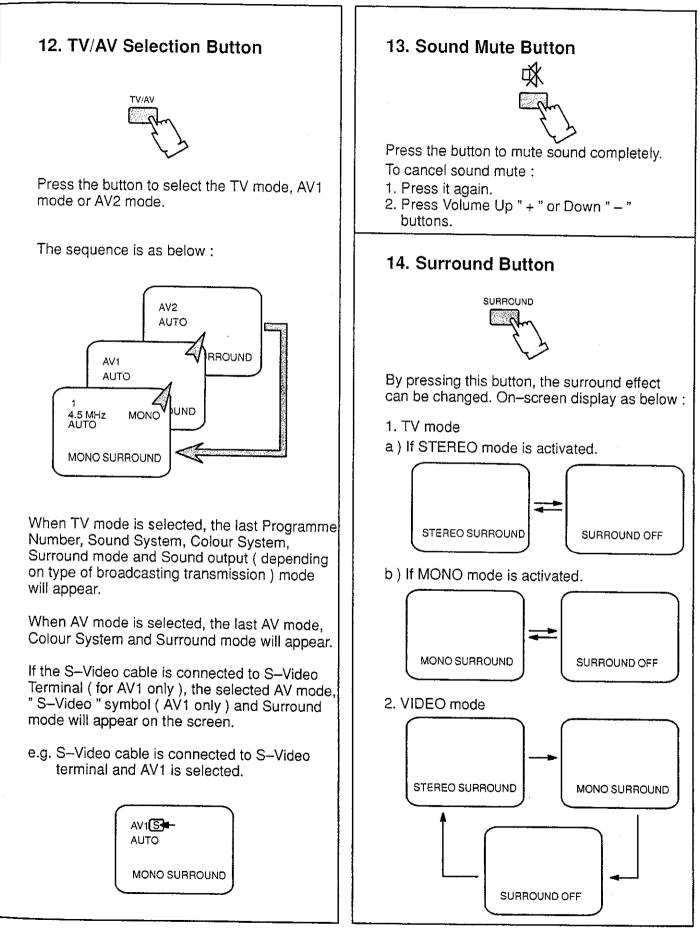




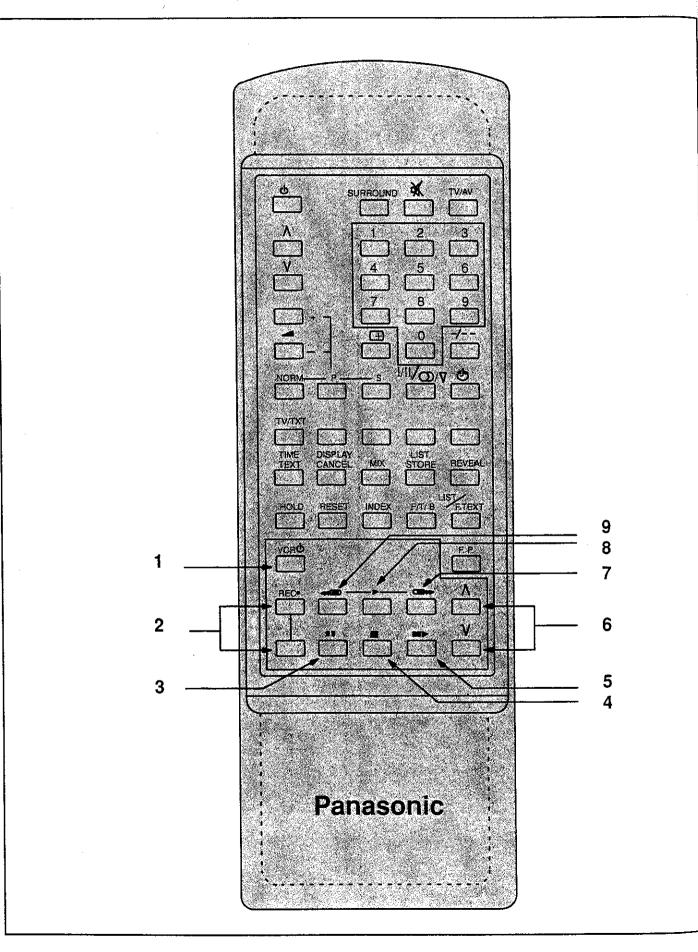


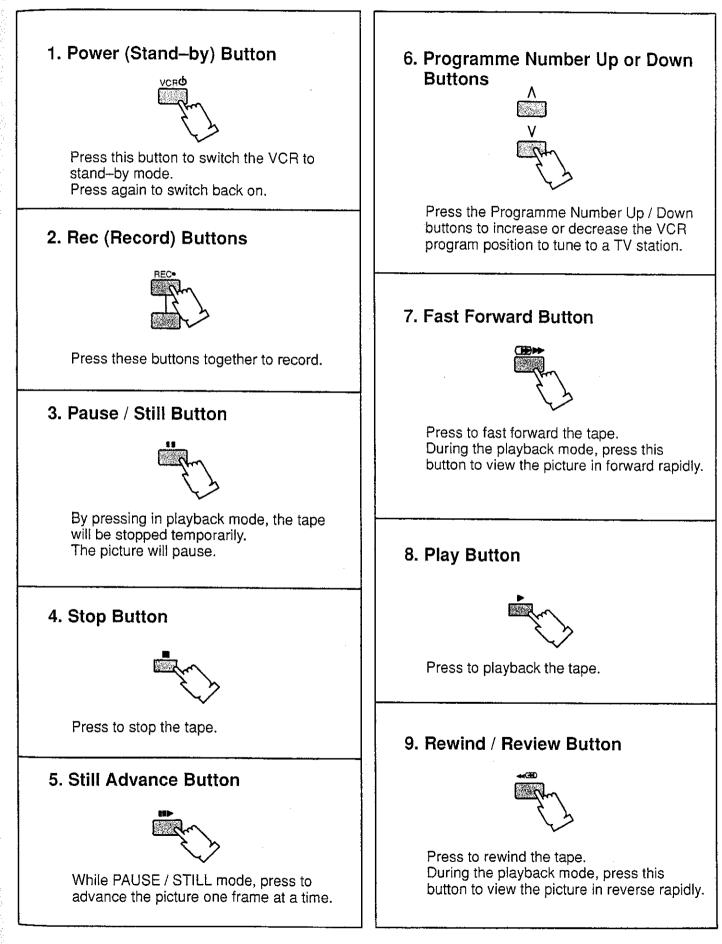
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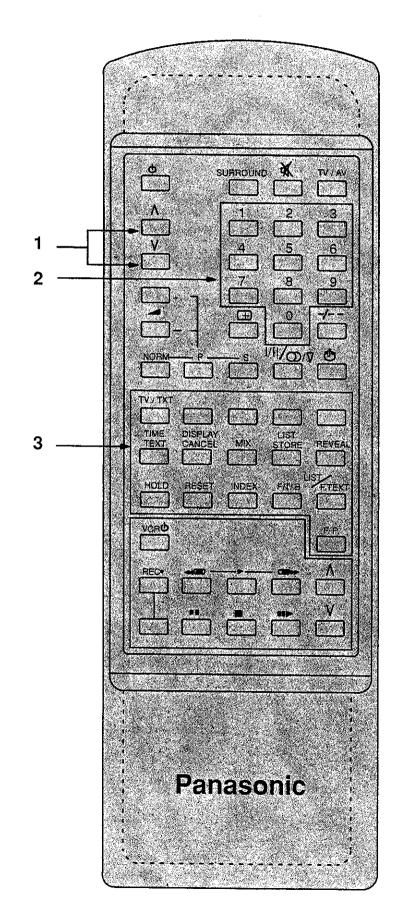
Remote Control Transmitter (for VCR)





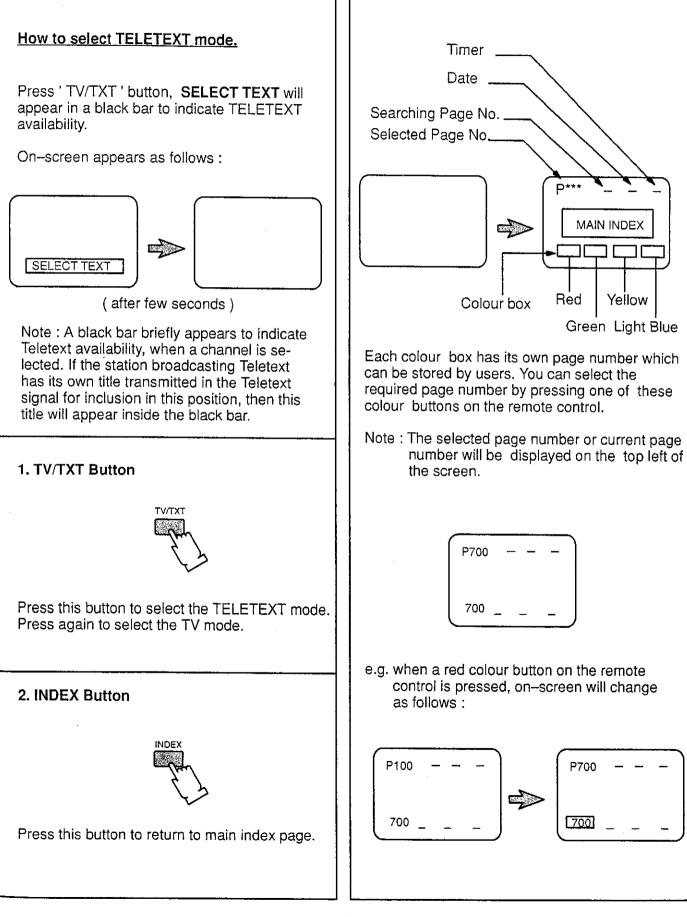
Carlo Carlo Carlo Carlo

Remote Control Transmitter (for TELETEXT)



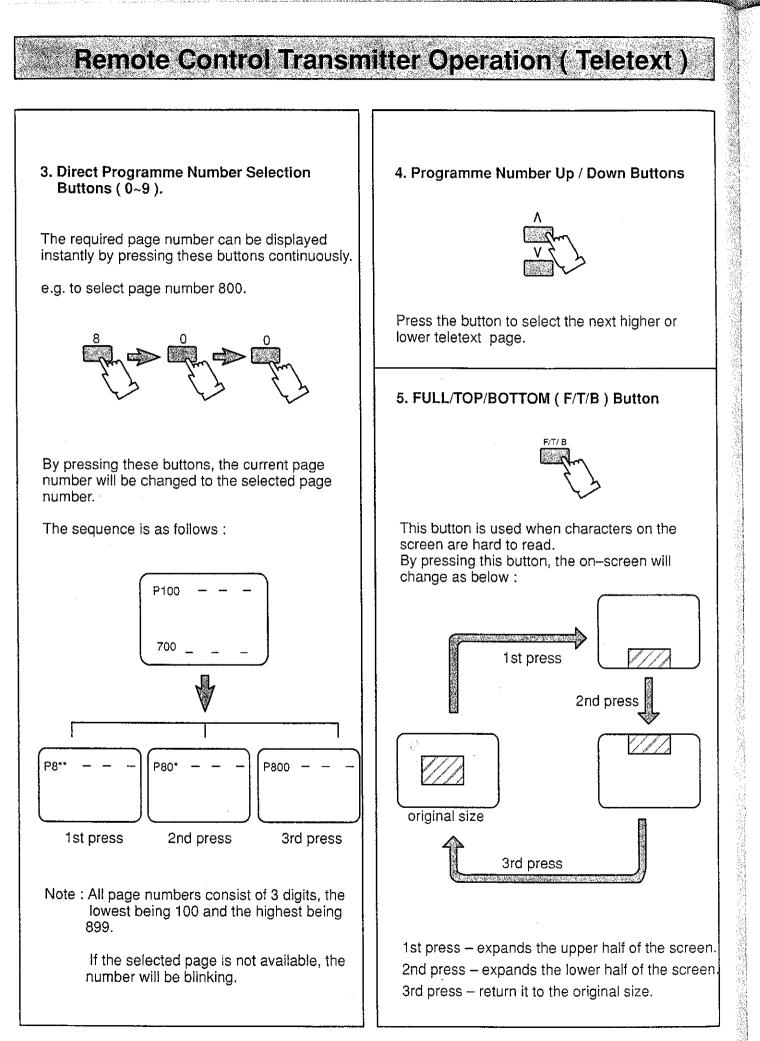
- 1. Programme Number Up or Down Buttons
- 2. Direct Programme Number Selection Buttons

- 3. Special Teletext Buttons
- TV/TXT Button
- Red Button
- Green Button
- Yellow Button
- Light Blue Button
- Time Text Button
- Display Cancel Button
- Mix Button
- List Store Button
- Reveal Button
- Hold Button
- Reset Button
- Index Button
- Full / Top / Bottom (F/T/B) Button
- List / F. Text Button
- Favourite Page Button



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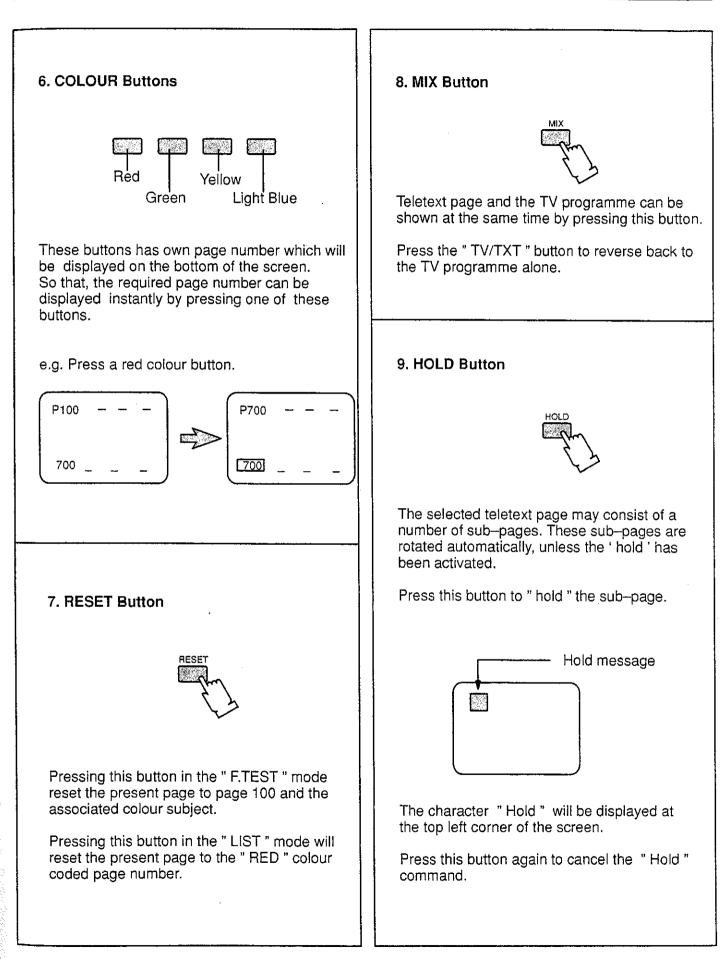
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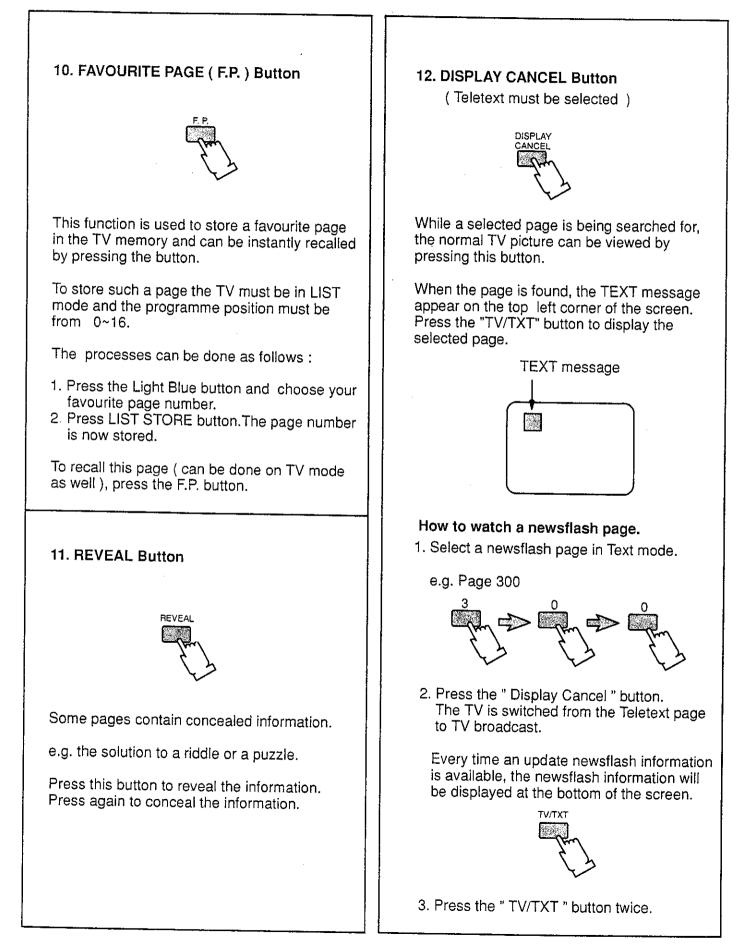
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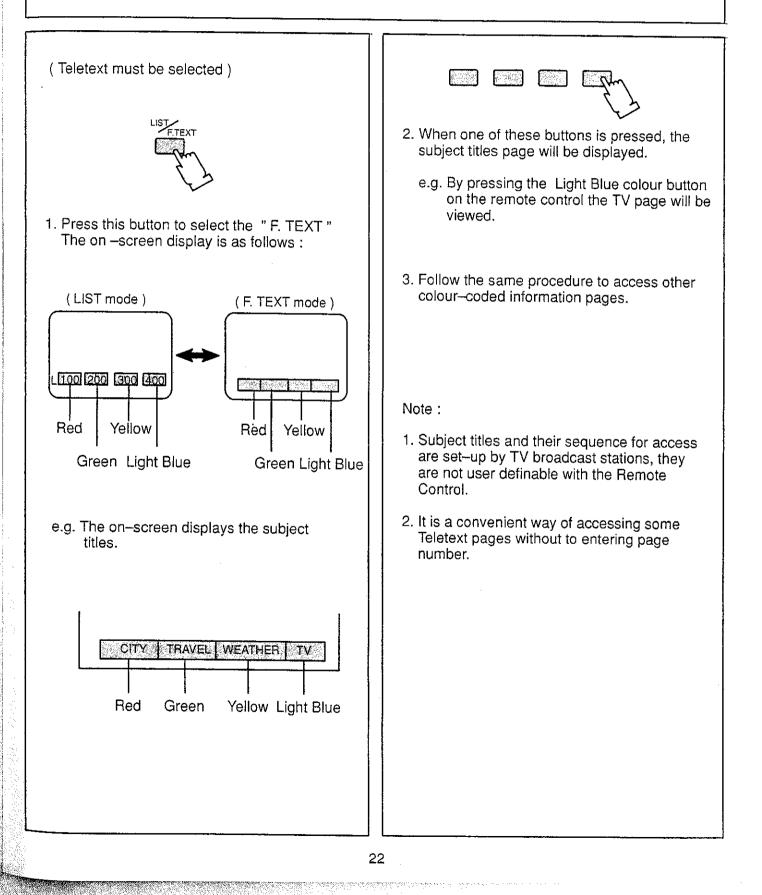
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Fast Text (F. TEXT) Mode Access

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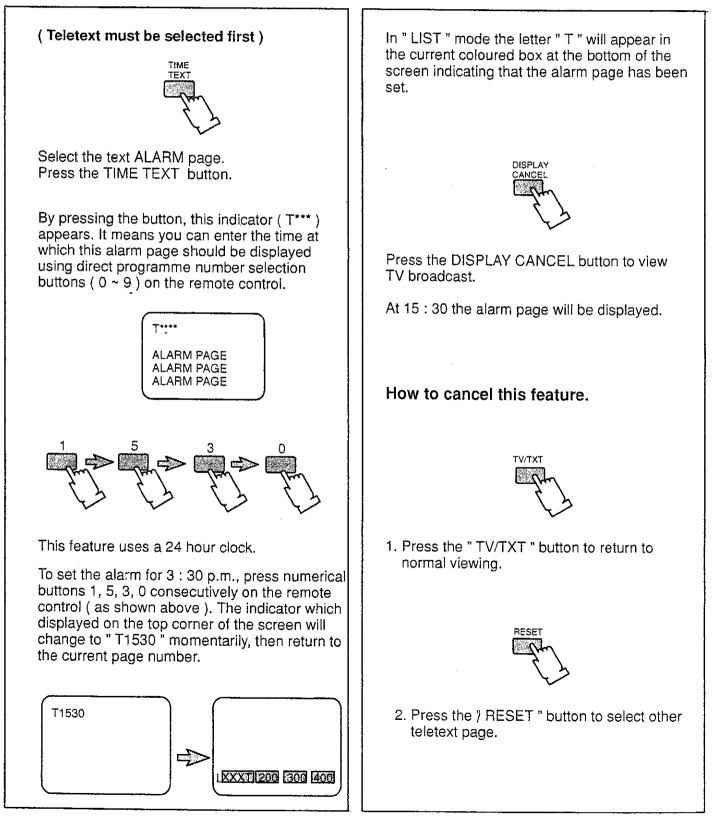
In "F. TEXT " mode, select the desired teletext information by pressing one of the colour buttons on the remote control which correspond with the coloured subject title on the screen.



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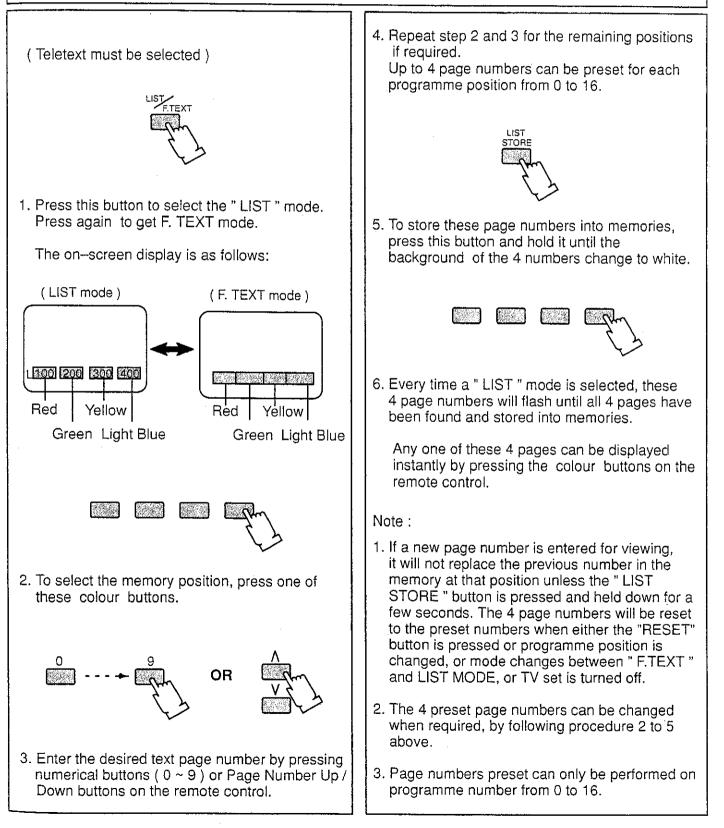
TEXT ALARM Page Access

This function is used for selected pages only. e.g. The Teletext ALARM page (Refer to the subject index page for page location).



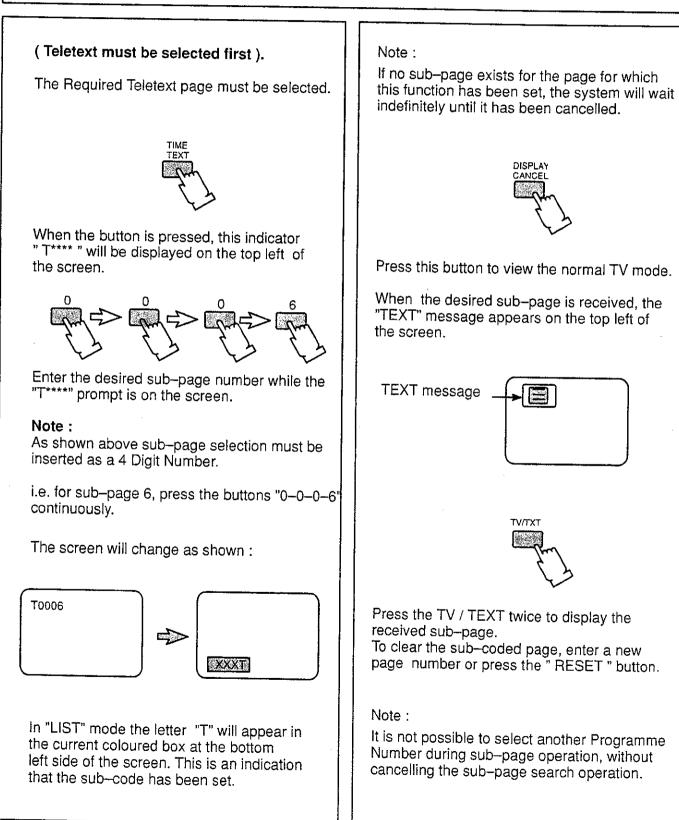
List Mode Page Memory Allocation

List mode is a convenient way of accessing some teletext pages without the need to enter page numbers. In this mode, 4 page numbers can be preset for each Programme Number from 0 to 16. A maximum of 68 pages can be programmed. Any one of these 4 pages can be displayed instantly by pressing the corresponding " colour " Button on the Remote Control.



Text Sub Page Access

When a Teletext Information Page exceeds more than one screen of information, it may take some time for automatic changing of the sub-pages to reach the sub-pages as required. It is possible to enter the required sub-page and continue watching the normal programme until the correct sub-page is found.



How to connect an External Antenna

To obtain the best quality picture and sound, an external antenna, the correct cables (75 Ohm coaxial) and the correct terminating plug will be required.

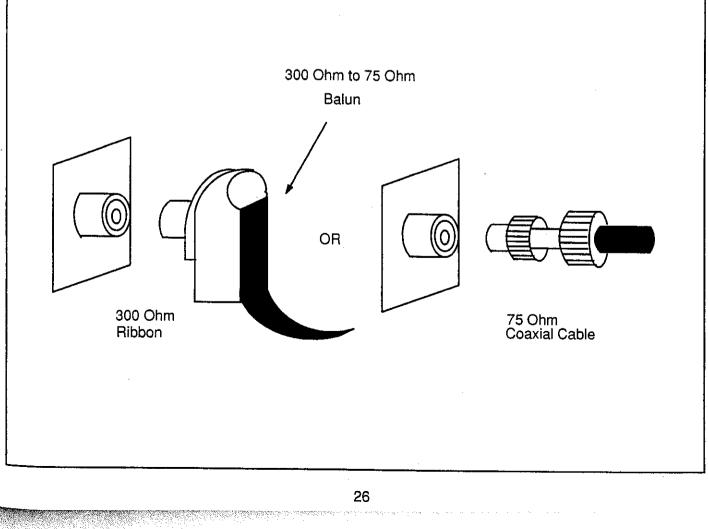
If a communal antenna system is used, you may require the correct connection cable and plugs between the wall antenna socket and your television receiver.

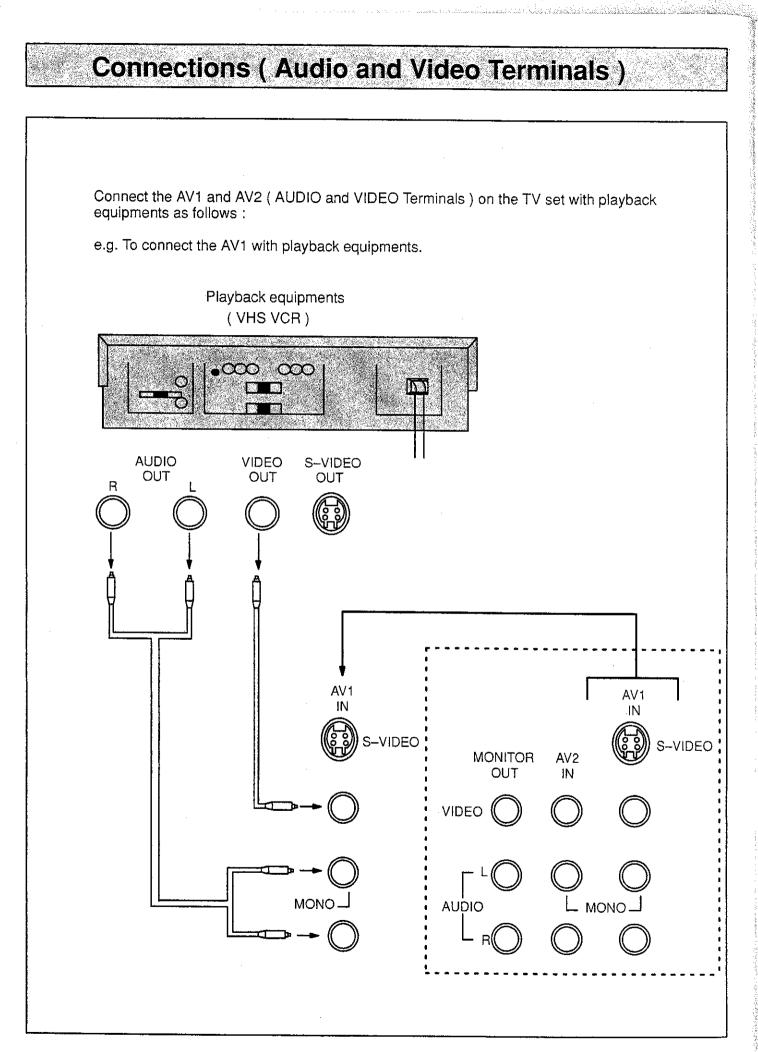
Your local Television Service Dealer may be able to assist you in obtaining the correct antenna system for your particular area and accessories required.

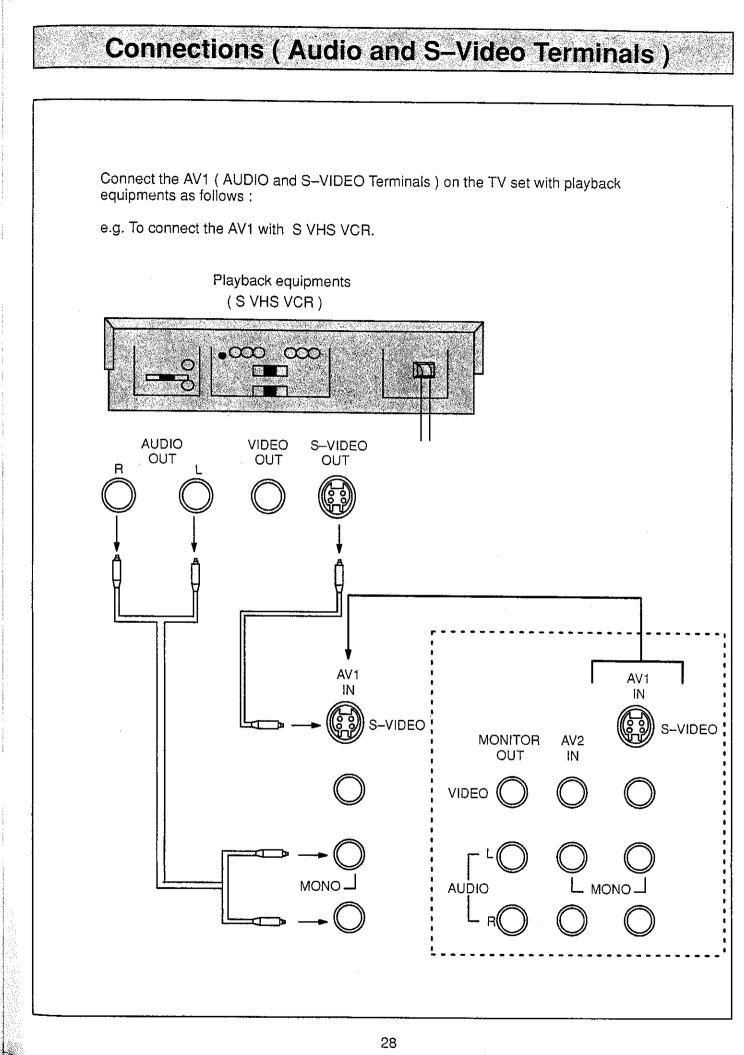
Any matters about antenna installation, upgrading of existing systems or accessories required, and the cost incurred, are the responsibility of the customer.

Note :

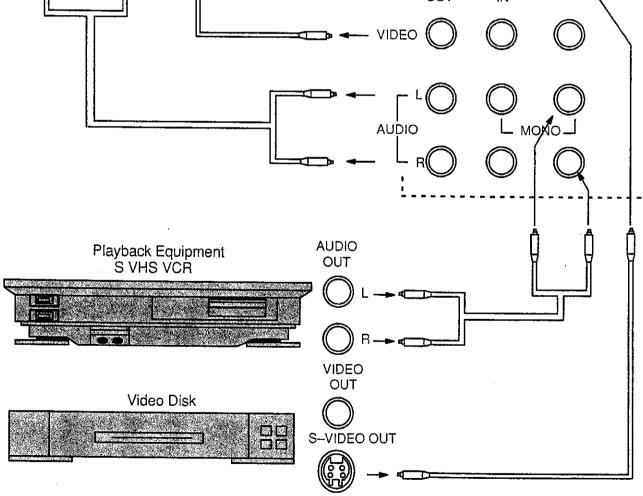
If your existing antenna system uses 300 Ohm to 75 Ohm Balun, see Below.







abole - Altheorem and a state of a state **Connections (Audio, Video and S-Video Terminals** Connect the AUDIO, VIDEO and S-VIDEO (e.g. via AV1 Terminal) as follows : ∞ ∞ **Recording equipments** AUDIO VIDEO IN IN R AV1 IN S-VIDEO MONITOR AV2 OUT IN



- 1. Never connect the same video recorder with both the VIDEO IN and VIDEO OUT terminals on the TV set, as this could case incorrect operation.
- 2. " MONITOR OUT " terminals contain signal which are on the TV screen at that time, e.g. TV programmes or signal from AV2 input.

Troubleshooting

Symptoms			
Picture	Sound	Checks	
Snowy Picture	Noisy Sound	Aerial Location, direction Connection	
Multiple Image	Normal Sound	Aerial Location, direction Connection	
Interference	Noisy Sound	Electrical Appliances Cars / Motorcycles Fluorescent Lamps	
Normal Picture	No Sound	Volume (Check whether the mute function has been activated on the Remote Control.)	
? No Picture	No Sound	Not plugged into AC outlet Not switched on Contrast and Brightness / Volume Settin (Check by pushing the Power Switch or Stand-by Button on the Remote Control.)	
No Colour	Normal Sound	Colour Control	
Scrambled	Normal or Weak Sound	Re-tune Channels	
Colour Patches	Normal Sound	Magnetic interference from unshielded equipment. Receiver moved while "ON".	
No Colour Rolling Picture H-Line		System Button	

Specifications

Power Source

Power Consumption

AC Auto 110 ~ 240 V, 50 / 60 Hz

146 W, 5 W (Stand-by Condition)

Receiving Sys	stem	
	System	Function
	PAL B,G PAL I PAL D NTSC M	Reception of broadcasts and Playback from Video Tape Recorders
	NTSC 4.43 / 5.5MHz NTSC 4.43 / 6.0MHz NTSC 4.43 / 6.5MHz NTSC 3.58 / 5.5MHz NTSC 3.58 / 6.0MHz NTSC 3.58 / 6.5MHz	Playback from VideoTape Recorders
	PAL 60Hz / 5.5MHz PAL 60Hz / 6.0MHz PAL 60Hz / 6.5MHz	Playback from Disc Players

Receiving Channels

Regular TV	VHF BAND 2 - 12 1 - 12 1 - 11 1 - 12 2 - 13	PAL B, G PAL D PAL B NTSC M Japan NTSC M U.S.A
Regu	UHF BAND 21 - 69 28 - 69 13 - 56 13 - 62 14 - 69	PAL B,G I PAL G (Australia) PAL D NTSC M Japan NTSC M U.S.A.
	CATV	S1-S20

Specifications

Picture Tube

62 cm (25 inches) for TX-21GF10M 59 cm (25 inches) for TX-21GF10Z Measured diagonally, 100° deflection.

Audio Output

5 W x 2

Aerial Impedance

75 Ω Unbalanced coaxial

Video / Audio Terminals

AV In	Video In	1 Vp–p. 75Ω
	Audio In	Approx. 400mVrms
TV Out	Video Out	1 Vp–p. 75Ω
	Audio Out	Approx. 400mVrms

Dimensions (W x D x H)

606 x 488 x 506 mm

Weight

29.50 Kg

Note :

Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

General Information

- 1. If the set is not switched off when the TV stations stop transmitting at the end of the evening, it will automatically go to stand-by mode after 5 minutes, only in Auto shut-off mode. This function will not operate when the TV is in AV mode.
- 2. Before calling for service, please refer to the troubleshooting guide on page 30 to determine the symptoms.
- VCR Mode Select Switch is located on the rear side of the remote control. Please set to " A " when using National/Panasonic VCR. If operation cannot be carried out, set to " B ".

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