

Cover

17" WIDE TFT LCD TV

Before using this product, please read the security instructions first and bear them in mind when using the product.

Security Instructions

To prevent damage, which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

This product has been designed and manufactured for home and office use.

Any problems with the TV will not be valid for the service agreement when the product has been used for purposes other than home or office use, even if the warranty period has not expired.

This product is manufactured and sold for domestic use only.

The company shall not be held liable for any malfunction of the TV, if it is used anywhere else except the domestic market.

Additionally, TV support can only be provided for the domestic market.

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Safety Instructions

Warning! Important Safety Instructions

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.

This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

Note to CATV system installer: This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code (Section 54 of Canadian Electrical Code, Part I), that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Caution: FCC/CSA regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: *To prevent electric shock, match the wide blade of plug to the wide slot, and fully insert the plug.*

Attention: *pour éviter les chocs électriques, introduire la lame le plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.*

Important: One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws. Certain Canadian programs may also be copyrighted and any unauthorized recording in whole or in part may be in violation of these rights.

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

Important Safety Information

Always be careful when using your TV receiver. To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your machine.

- Read all safety and operating instructions before operating your TV.
- Keep the safety and operating instructions for future reference.
- Heed all warnings on the TV receiver and in the operating instructions.
- Follow all operating and use instructions.
- Unplug the TV receiver from the wall outlet before cleaning. Use a damp cloth; do not use liquid or aerosol cleaners.
- Never add any attachments and/or equipment without approval of the manufacturer. Such additions can increase the risk of fire, electric shock, or other personal injury.
- Do not use the TV receiver where contact with or immersion in water is a possibility, such as near bath tubs, sinks, washing machines, swimming pools, etc.
- Do not place the TV on an unstable cart, stand, tripod, bracket, or table where it can fall. A falling TV can cause serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the TV. Follow the manufacturer's instructions when mounting the unit, and use a mounting accessory recommended by the manufacturer. Move the TV and cart with care. Quick stops, excessive force, and uneven surfaces can make the unit and cart unsteady and likely to overturn.
- Provide ventilation for the TV receiver. The unit is designed with slots in the cabinet for ventilation to protect it from overheating. Do not block these openings with any object, and do not place the TV receiver on a bed, sofa, rug, or other similar surface. Do not place it near a radiator or heat register. If you place the TV receiver on a rack or bookcase, ensure that there is adequate ventilation and that you've followed the manufacturer's instructions for mounting.
- Operate your TV receiver only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your appliance dealer or local power company.
- Use only a grounded or polarized outlet. For your safety, this TV is equipped with a polarized alternating current line plug having one blade wider than the other. This plug will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still does not fit, contact your electrician to replace your outlet.
- Protect the power cord. Power supply cords should be routed so that they won't be walked on or pinched by objects placed on or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.
- Unplug the TV from the wall outlet and disconnect the antenna or cable system during a lightning storm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-line surges.

- Avoid overhead power lines. An outside antenna system should not be placed in the vicinity of overhead power lines or other electric light or power circuits or where it can fall into such power lines or circuits. When installing an outside antenna system, be extremely careful to keep from touching the power lines or circuits. Contact with such lines can be fatal.
- Do not overload the wall outlet or extension cords. Overloading can result in fire or electric shock.
- Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts. Never spill liquid of any kind on the TV.
- Ground outdoor antennas. If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No.70-1984, provides information about proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
- Do not attempt to service the TV yourself. Refer all servicing to qualified service personnel. Unplug the unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - when the power-supply cord or plug is damaged
 - if liquid has been spilled on the unit or if objects have fallen into the unit
 - if the TV has been exposed to rain or water
 - if the TV does not operate normally by following the operating instructions
 - if the TV has been dropped or the cabinet has been damaged
 - when the TV exhibits a distinct change in performance
- If you make adjustments yourself, adjust only those controls that are covered by the operating instructions. Adjusting other controls may result in damage and will often require extensive work by a qualified technician to restore the TV to normal.
- When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in additional damage to the unit.
- Upon completion of any service or repairs to this TV, ask the service technician to perform safety checks to determine that the TV is in a safe operating condition.
- Keep all power adaptors apart.

Possible fire hazard.

- Keep the power adaptor away from any other heater.

Possible fire hazard.

- Remove and discard the plastic cover from the power adaptor before use.

Possible fire hazard.

- Always keep the power adaptor in a well-ventilated area.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference that may cause undesired operation.

This television receiver provides display of television closed captioning in accordance with §15.119 of the FCC rules.

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FCC Information

User Instructions

The Federal Communications Commission Radio Frequency Interference Statement includes the following warning:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation .

If this equipment does cause harmful interference to radio or television receptions, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

User Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

If necessary, consult your dealer or an experienced radio/television technician for additional suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful. This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office, Washington, DC 20402, Stock Number 004-000-00345-4 .

Warning

User must use shielded signal interface cables to maintain FCC compliance for the product.

Provided with this monitor is a detachable power supply cord with IEC320 style terminations.

It may be suitable for connection to any UL Listed personal computer with similar configuration. Before making the connection, make sure the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer

convenience outlet is equal to or exceeds the monitor voltage rating.

For 120 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type (parallel blades) plug cap. For 240 Volt applications use only UL Listed Detachable power supply cord with NEMA configuration 6015P type (tandem blades) plug cap.

IC Compliance Notice

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations of ICES-003.

Cet appareil Numérique de classe B respecte toutes les exigences du Règlement NMB-03 sur les équipements produisant des interférences au Canada.

Notice de Conformité IC

Cet appareil numérique de classe B respecte toutes les exigences du Règlement ICES-003 sur les équipements produisant des interférences au Canada.

VCCI

This is a Class B product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

5P Contents

6P Using the Display Ergonomically

☞ Using the Computer Display

- Adjust the LCD panel so that it faces slightly downward from your eyes, and keep a distance of at least 40 centimeters from your eyes to the panel.
- Adjust the illumination as well as the brightness and contrast of the LCD screen panel so that the reflection of the light is minimized.
(300~1000 lux illumination is be comfortable for your eyes)
- Recommended computer use time is 6 hours a day or less. Additionally, taking a break of 10~15 minutes per hour is recommended.
- Keep a consistent distance from your eyes to the target, such as the screen, a document, or the keyboard.

7P Using ARM on the Outer Wall

You can use any wall mount arms manufactured by an office furniture manufacturer, You

should take into account the following conditions.

- They have to comply with VESA Mount Interface 100mm standard.
 - They have to be able to sustain the weight of the LCD TV.
 - They have to be fixed to a position adjustable by hand.
 - They have to be adjustable.
 - The distance between the screw holes for fixing the arms has to be 100mm.
- Additionally, refer to the installation manual supplied with the arms for installation.

Arm installation procedures

Install the arms following the procedures given below.

1. Remove all cables connected to the TV.
2. Lay the LCD TV face down on a flat surface with a cushion or some type of soft material to protect the screen.
3. Using a screwdriver, remove the screws fixing the stand.
4. Install the steel frame of the arms, insert the attached screws into the screw holes of the LCD TV, and then fasten the screws using a screwdriver.

☞ Attach the arm to the fixed board first.

☞ Do not use the handle screws for fixing the stand and the handle screws to fix the arms.

Use only the screws attached for the arms (M4 x 10 screws with a diameter of 4 mm, and a length of 10 mm). If you use the stand screws to fix the arms, the TV may be fall and get damaged, because the arms are not fixed completely.

To reattach the removed stand, use the stand screws.

☞ Attach the arms completely.

If the TV becomes detached from the arms, it may cause injury or damage the product.

If the TV is somehow detached accidentally, unplug the power cable from the wall outlet, and contact your service center.

Damage may cause fire or electric shock.

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Using Securely

🔧 Maintenance of the Exterior Cabinet

☞ Do not clean the surface of the cabinet with benzene or paint thinner, and do not spray volatile matter such as insecticides on the surface. This may harm the coating on the surface.

☞ When you clean the cabinet with a chemically treated cloth, please follow the instructions carefully for that product.

☞ Clean the stains on the cabinet and the operation panel using a soft cloth.

For severe stains, clean the stains with a cloth damped with diluted mild detergent, and then finish by cleaning the cabinet with a dry cloth.

☞ Do not use the following detergents to avoid harming the coating of the surface.

Alkaline detergent, alcohol-detergent, liquid compound, powdered compound, car wax, etc.

Maintenance of the LCD Panel

☞ To clean the dust on the LCD panel, lightly clean the surface of the panel with a soft dry cloth.

If the stain on the surface of the LCD panel does not come off easily, spray an LCD panel cleansing solution on the surface, and clean the surface with a soft cloth again. While doing this, take care not to spill the solution so as to prevent the solution from entering the inside of the panel.

☞ Best Posture to Watch TV

Keep a distance of 5~7 times the screen height from your eyes to the TV screen for optimal viewing and to avoid eye strain.

Checking and Replacing the Antenna

Since the antenna is exposed to wind and rain, a regular check and possible replacement of the antenna is recommended.

Since the antenna is more easily affected when the antenna is exposed to exhaust gas or sea air, if the video quality decreases, ask your product provider.

For optimal use

☞ Since the surface of the screen is fragile, do not scratch or knock it with hard objects such as any objects harder than an HB pencil.

☞ Do not clean the surface with water.

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Before Using the TV

Overview

Front View

1. MENU: Brings up an on-screen menu.
2. VOLUME: Increases or decreases the volume. This is also used to select the "Return/Menu" item on the on-screen menu.
3. LED Lights
4. Remote Control Sensor
5. CHANNEL: Changes channels or "Moves" to items on the on-screen menu.
6. TV/VIDEO: Selects an external device connected to the TV.
7. POWER: Turn the switch downward to turn on the TV.

List of Parts

Please make sure the following parts are included with your LCD TV.

Remote Control & Battery (1.5V AAA)

AC adapter

RF Connection Cables

Power Cord

Owner's Instructions

Video/Voice Connection Cables

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Before Using the TV

Rear Panel Jacks

1. POWER INPUT CONNECTOR: Only connect with the AC adapter DC 12V/5A supplied with this product.
2. PC INPUT JACK: Used to connect to a PC.
3. PC AUDIO INPUT JACK: Used to connect to a PC.
4. COMPONENT VIDEO INPUT JACK: Used to connect to a DVD player or a DTV receiver.
5. COMPONENT AUDIO INPUT JACK: Used to connect to a DVD player or a DTV receiver.
6. HEADPHONE JACK: Used for headphones that can be purchased additionally.
(When you are listening with headphones, the sound from the speakers is muted.)
7. SUPER VIDEO INPUT JACK: Used to connect to a DVD player, etc. that has an S-VIDEO jack so that you can watch video in better quality.
8. VIDEO/AUDIO INPUT JACK: Used to connect a VCR, a DVD player or a camcorder.
9. TV ANTENNA INPUT JACK: Used to connect the antenna cable.

#The COMPONENT INPUT JACK complies with D1 video signal (525i signal), D2 video signal (525p signal), D3 video signal (1125i signal) and D4 video signal (750p) from a DVD player or a digital TV receiver.

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Before Using the TV

Remote Control

1. POWER: Turns the TV on and off.
2. MUTE: Temporarily cuts off the sound.
3. TV/VIDEO: Displays all available video sources.
4. PC: Switches to PC mode.
5. COMPONENT: Switches to the DVD player or the DTV transferred button

6. NUMBER BUTTONS: Selects channels directly on the TV.
7. 100: Selects channels over 100. For example, to select channel 121, press "+100," then press "2" and "1."
8. PRE: Moves to the previous channel.
9. MENU: Displays the OSD menu.
10. PICTURE: Configures various video modes.
11. SOUND: Configures various sound modes.
12. VOLUME (-/+): Increases or decreases the volume.
13. CHANNEL (📺/📺): Changes channels.
14. ASPEC: Changes the screen size.
15. EXIT: Cancels the current configuration.
16. STILL: Freezes a moving picture on the screen.
17. SOURCE: Selects the signal source for the PIP window.
18. SOUND: Exchanges the audio signal source of the main screen and the PIP window.
19. SWAP: Exchanges the video signal source of the main screen and the PIP window.
20. ROTATION: Selects the location of the PIP window
21. CHANNEL (📺/📺): Selects the channel of the PIP window.
22. PIP: Switches PIP windows.
23. SCAN: Scans all channels automatically.
24. ADD: Adds a channel.
25. ERASE: Erases a channel.
26. CAPTION: Turns captions on or off (Caption broadcast).
27. MTS: Selects stereo, mono or Separate Audio Program (SAP broadcast).
28. SLEEP: Selects a preset time interval for automatic shutoff.
29. DISPLAY: Displays the current channel and the audio-video settings.

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Before Using the TV

Installing Batteries in the Remote Control

1. Slide the cover out by pressing the 📺 part of the cover.
2. Install two AAA size batteries according to the correct polarity.
3. Close the cover in the arrow direction.

Using the Remote Control

The remote control works properly for the following operational range.

The remote control works up to about 7~10m from the TV, 3m to the left or right of the TV, and to within 30 degrees from the remote control sensor of the TV.

The remote control does not work properly!

Check!

1. Are the polarities of the installed batteries correct?
2. Has the battery discharged completely?
3. Is the power cord plugged in properly or is there a power failure?
4. Is fluorescent lighting or a neon sign near the unit?

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Before Using the TV

Connecting VHF and UHF Antennas

TESCO 에서 준비

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Connections

Connecting a VCR/DVD Player

Connecting the Video or S-VHS/Audio Jack

Do not connect the video cable and the S-VIDEO cable at the same time.
You should connect only one cable at a time.

Connection Procedures

1. Connect the antenna cable to the ANTENNA IN terminal on the back of your VCR.
2. Connect the VIDEO/AUDIO INPUT jack of the TV and the video/audio output jack of your VCR with the video/audio cables.
(Connect the cable to the terminal of the same color)
☞ You can use the S-VIDEO cable to connect a VCR or a DVD player for better video quality.

☞ If your VCR does not support stereo sound, connect the mono audio out jack to the AUDIO INPUT (left) jack.

Procedures for watching a video over a VCR

1. Turn the TV on, and select 'VIDEO' using the TV/VIDEO button on the remote control.
☞ If you have connected a S-VIDEO cable, select 'SVHS'.
2. Turn the VCR on, insert the tape, and press the Play button.

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Connections

Connecting the Antenna Input Jack

Connection Procedures

1. Connect the antenna cable to the ANTENNA IN terminal on the back of the VCR.
2. Connect a coaxial cable between the ANTENNA OUT terminal on the VCR and the antenna terminal on the TV.

Procedures for watching a Video over a VCR

1. Set the channel select switch on the back of the video to 3 or 4.
2. Change the TV channel to 3 or 4 according to your selection of the channel select switch.
3. Turn the VCR on, insert the tape and press the Play button.

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Connections

Connecting a DTV

Connection Procedures

1. Connect the COMPONENT VIDEO INPUT jack on the TV and the component video

output jack of your DTV receiver with the component video connectors (Y.Pb, and Pr).

2. Connect the left and right COMPONENT AUDIO INPUT jacks of the TV to the component audio output jack of the DTV receiver using the audio cables.

Procedures to Watch DTV

1. Turn the TV on and select 'DTV' using the TV/VIDEO button on the remote control.
2. Turn the DTV receiver on and select the desired channel.

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Connections

Connecting an STB Receiver

Connection Procedures

1. Connect your STB receiver antenna cable to the antenna signal input jack on the STB receiver tuner.
2. Connect the VIDEO/AUDIO INPUT jack of the TV and the video/audio output jack of the STB receiver with the video/audio cables.

Procedures to Watch

1. Turn the TV on and select 'VIDEO' using the TV/VIDEO button on the remote control.
2. Turn the STB receiver on and select the desired channel using the remote control of the STB receiver.

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Connections

Connecting a CATV Receiver

Connection Procedures

1. Connect the cable TV antenna cable to the antenna signal input jack of the cable TV receiver.
2. Connect the VIDEO/AUDIO INPUT jack of the TV and the video/audio output jack of the

cableTV receiver using the video/audio cables. (Connect the cable to the terminal of the same color).

Procedures to Watch Cable TV

1. Turn the TV on, and select 'VIDEO' using the TV/VIDEO button on the remote control.
2. Turn the cable TV receiver on and select the desired channel using the remote control of the receiver.

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Connections

Connecting the Antenna Input Jack

Connection Procedures

1. Connect the cableTV antenna cable to the ANTENNA IN jack on the back of the cable TV receiver.
2. Connect a coaxial cable between the ANTENNA INPUT jack of the TV and the antenna output jack of the cable TV receiver.

Procedures for watching Cable TV

1. Set the channel select switch on the back of the cable TV receiver to 3 or 4.
2. Turn the TV on and change the TV channel to 3 or 4 according to the selection of the channel select switch.
3. Turn the cable TV receiver on and select the desired channel using the remote control of the cable TV receiver.

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Procedures for Using the TV

Check Before Using

Please check the following check list before using the TV.

1. Is the antenna cable connected properly?

2. Is the AC adapter connected properly?

When you connect the adapter to the unit, turn the power switch on the front panel to "off", and then connect the adapter cable.

When not using the adapter for a long time period, separate the AC adapter from both the main body and the power outlet on the wall.

3. Are the remote control batteries installed properly?
4. Have the receive channels been configured?
5. Are the cables connected to any external devices connected properly?

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Procedures for Using the TV

Watching TV

Turning the TV On and OFF

Turn the power switch on the front panel of the unit downward to turn on the unit.

☞ When you turn the power 「ON」, the screen appears and the POWER/STANDBY light is turned off.

☞☞ When you turn the power 「OFF」, the screen goes blank, and the POWER/STANDBY light turns red.

Selecting the Menu Language

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select FUNCTION SETUP using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

3. Select LANGUAGE using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

**4. Select the desired menu language using the 「CHANNEL  / 」 button.
Press the 「EXIT」 button to exit the menu.**

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Procedures for Using the TV

Viewing the Status Information

Press the DISPLAY button on the remote control. The TV will display the input source, the picture mode, the sound mode, the mts mode, the current time, the v-chip and the audio signal you are listening to.

Adjusting the Volume

⇨ Adjust the volume using the 「-VOL/VOL+」 button.

Muting the Sound

⇨ Press the 「MUTE」 button.

You can conveniently use the MUTE button when a telephone or a door bell rings. To cancel, press the MUTE button again.

Viewing a Video or DVD

⇨ Press the 「TV/VIDEO」 button.

For connection and setup procedures, refer to page 14~15.

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Procedures for Using the TV

Memorizing the Channels

Your TV can memorize and store all of the available channels for both “off-air” (antenna) and cable channels. After the available channels are memorized, use the CHANNEL↵ and CHANNEL↴ buttons to scan through the channels. This eliminates the need to change channels by entering the channel digits. There are three steps for memorizing channels: selecting a broadcast source, memorizing the channels (automatic) and adding and deleting channels (manual).

Selecting the Video Signal-source

Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV (i.e., an antenna or a cable system).

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select CHANNEL SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select ANTENNA using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

4. Select AIR, STD, HRC, or IRC using the 「CHANNEL / 」 button.

If you are not sure which type of cable system you have, contact your cable company.

Note: STD, HRC and IRC represent various types of cable TV systems.

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Procedures for Using the TV

Storing Channels in Memory (Automatic Method)

The TV automatically runs through all available channels and stores them to memory. This takes approximately one or two minutes.

1. First, select the correct signal source (AIR, STD, HRC, IRC). See steps 1~4 on the previous page.

Note: The auto channel program does not function when the V-chip is active.

2. Select AUTOSEARCH using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

The TV will begin storing all available channels.

After all available channels have been stored, the **AUTOSEARCH** menu reappears.

3. Press the 「EXIT」 button to exit the menu.

Viewing Saved Channels

Press the 「CHANNEL  / 」 button.

⇒ Only saved channels are selected.

⇒ The AUTO MEMORY function can select channels using the 「CHANNEL  / 」 button only when more than 3 channels have been saved.

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Procedures for Using the TV

Adding and Erasing Channels (Manual Method)

You can use this function to add channels and to delete unwanted channels after the auto channel configuration.

1. Press the 「MENU」 button.

The MENU will be displayed.

2. Select CHANNEL SETUP using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

3. Select ADD/ERASE using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

Adding a channel

4. Select a channel to add using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

The OSD changes from ADD to -- .

Deleting a channel

5. Select a channel to delete using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

The OSD changes from -- to ADD.

Complete steps 4~5.

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Procedures for Using the TV

Changing Channel

You can change channels on your LCD TV by using the CHANNEL  /  buttons, or by direct selection using number buttons. You can use the number buttons to tune to any channel (even one that has been erased or has not been memorized).

Using the CHANNEL buttons

Press the CHANNEL  /  buttons to change channels.

The TV changes each channel in order, up or down, depending on which button you press. You will see all the channels that the TV has memorized. (The TV must have memorized at least three channels.) You will not see channels that were not memorized or have been erased.

Using the NUMBER buttons

To change to single-digit channels (0~9) faster, press “0” before the single digit.

Example : For channel 4, press “0”, then “4”.

To select a channel over 100, press the 100, press the 100 button first.

Example : For channel 122, press "100", then "2", then "2".

Using the Previous Channel

Press the 「PRE」 button on the remote control. The TV changed to the last channels to the last channel you were watching..

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Operation

When the Picture Quality is poor or Unstable

Use fine tuning to adjust a particular channel for better picture quality when noise interferes, color quality is poor, or the screen is unstable.

1. Select the channel to tune using the numeric or channel buttons.
2. Press the 「MENU」 button.
The MENU will be displayed.
3. Select CHANNEL SETUP using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.
4. Select FINE TUNE using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.
5. Adjust the screen until a clear screen appears using the 「CHANNEL  / 」 button.
6. Press the 「EXIT」 button to exit the menu.

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Operation

LNA (Low Noise Amplifier)

If the TV is operating in a weak signal area, sometimes the LNA function can improve the reception (a low noise pre-amplifier boosts the incoming signal)

1. Press the 「MENU」 button.

The MENU will be displayed.

2. Select CHANNEL SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select LNA using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

4. Select ON using the 「CHANNEL / 」 button.

5. Press the 「EXIT」 button to exit the menu.

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Operation

Selecting the Video Mode

You can select a video mode from among USER, STANDARD, DYNAMIC, or MILD mode according to your personal preference.

Press the PICTURE button.

Whenever you press this button the video menu changes to USER ↴ STANDARD ↴ DYNAMIC ↴ MILD mode, in this order.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select PICTURE SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button twice.

3. Select the desired PICTURE MODE using the 「CHANNEL / 」 button.

Whenever you press this button, PICTURE MODE is changed to USER ↴ STANDARD ↴ DYNAMIC ↴ MILD mode, in this order.

4. Press the 「EXIT」 button to exit the menu.

PICTURE MODE

STANDARD : Select this mode when the surrounding illumination is bright.

DYNAMIC : Select this mode to increase picture clarity and sharpness.

- MILD : Select this mode when viewing the TV when the light is low.
This mode lessens eye strain.
- USER : Select this mode if you want to adjust the settings according to your
personal preferences.
(For procedures to customize the picture, refer to page 27.)

30P

Operation

Adjusting Manually

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select PICTURE SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select the desired item to adjust using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

4. Select the desired status using the 「-VOL」 and 「VOL+」 button.

During the adjustment, an additional adjustment window will be displayed. The adjustment window disappears and changes are applied when 3 seconds have elapsed after the last input. In addition, PICTURE MODE is automatically changed to USER mode.

5. Press the 「EXIT」 button to exit the menu.

PICTURE

CONTRAST: Determines the difference in brightness between an object and the background.

BRIGHTNESS : Determines the brightness of the screen.

SHARPNESS : Determines the sharpness of an object image.

COLOR : Determines the color density.++

TINT : Determines the color of an object.

31P

Operation

Selecting the Sound Mode

You can select the sound mode from among USER, STANDARD, MUSIC, or SPEECH mode according to your personal preference.

Pressing the SOUND button.

Whenever you press this button, the video menu changes to USER ↕ STANDARD ↕ MUSIC ↕ SPEECH mode, in this order.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select SOUND SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select the desired SOUND MODE using the 「CHANNEL / 」 button.

Whenever you press this button, the SOUND MODE is changed to USER ↕ STANDARD ↕ MUSIC ↕ SPEECH mode, in this order.

4. Press the 「EXIT」 button to exit the menu.

SOUND MODE

STANDARD : Select this to listen to sound normally.

MUSIC : Select this to listen to the original sound.

SPEECH : Select this to listen to clear voice sound.

USER : Select this if you want to adjust the settings according to your personal preferences.

(For sound adjustment procedures, refer to page 29.)

32P

Operation

Users can adjust the BALANCE, and EQUALIZER directly.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select SOUND SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select BALANCE using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

4. Select the desired status using the 「-VOL」 and 「VOL+」 button.

During the adjustment, an additional adjustment window will be displayed. The adjustment window disappears and changes are applied when 3 seconds have elapsed after the last input. Also, the SOUND MODE is automatically changed to USER mode.

☞BALANCE: Determines the volume ratio between the left and right speakers.

5. Press the 「EXIT」 button to exit the menu.

☞Adjusting the EQUALIZER

EQUALIZE: Determines the volume of the frequency range (low to high tones).

1. Move to the EQUALIZER item using the 「CHANNEL  / 」 button.

2. Move to the desired frequency using the 「VOL+」 button.

120  (Low Tone)... 1K(Mid Tone)... (High Tone)10K

3. Select the desired status using the 「CHANNEL  / 」 button.

☞When you have adjusted the EQUALIZER, the SOUND MODE is automatically changed to USER MODE.

33P

Choosing a Multi-Channel Sound (MTS) Soundtrack

Depending on the particular program being broadcast, you can listen to Stereo, Mono, or a Separate Audio Program. (SAP audio is usually a foreign-language translation. Sometimes SAP has unrelated information like news or weather.)

☞ Pressing the 「MTS」 button.

Whenever you press this button, the mode changes to STEREO ↴ MONO ↴ SAP mode, in this order.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select SOUND SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select MTS using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

4. Press the 「CHANNEL / 」 button.

Whenever you press this button, the mode is changed to STEREO ↴ MONO ↴ SAP mode, in this order.

5. Press the 「EXIT」 button to exit the menu.

☞ MTS Settings

- Choose *STEREO* for channels that are broadcasting in stereo.
- Choose *MONO* for channels that are broadcasting in mono, or if you are having difficulty receiving a stereo signal.
- Choose *SAP* to listen to the Separate Audio Program, which is usually a foreign-language translation.

34P

Operation

Changing the Screen Size

You can select a desired screen size for each video.

Press the 「SCREEN」 button.

Whenever you press the SCREEN button, the screen size changes to WIDE →

NORMAL → **ZOOM** → PANORAMA, in this order.

(Note that you can select either WIDE or NORMAL mode in PC input mode.)

Screen Size Menu

☞ **WIDE mode**

Set the picture to 16:9 wide mode.

☞ **NORMAL mode**

Sets the picture to 4:3 normal mode.

This is a standard TV screen size.

☞ **ZOOM Mode**

Magnifies the size of the picture on the screen.

☞ **PANORAMA mode**

Use this mode for the wide aspect ratio of a panoramic picture.

☞ **Note**

You can select only WIDE, NORMAL(4:3) screen size in the Component and PC Mode.

35P

Operation

Viewing Picture-in-Picture

You can watch two videos on the screen simultaneously.

Pressing the 「PIP」 button.

Pressing the button turns the PIP screen on or off.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select FUNCTION SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select PIP SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

The PIP SETUP menu will be displayed.

4. Select PIP ON/OFF using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

Select ON using the 「CHANNEL  / 」 button.

Whenever you press this button, PIP mode is turned either on or off.

Selecting OFF turns off PIP mode.

5. Press the 「EXIT」 button to exit the menu.

Note

☞ Since this product has a single tuner, you cannot watch two TV channels simultaneously in PIP mode.

☞ You can only listen to one sound output from either the main screen or the PIP window.

☞ Refer to the PIP configuration table (Page 65).

36P

Operation

Changing the Source of the PIP Window

You can change the video source of the PIP window from any externally connected devices.

☞ **Pressing the SOURCE button.**

Whenever you press this button, the source of the PIP window is changed to the next video signal of an externally connected device, in that order.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select FUNCTION SETUP using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

3. Select PIP SETUP using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

The PIP SETUP menu will be displayed.

4. Select PIP SOURCE using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

Select the desired external input signal.

Whenever you press this button, the video source is changed in the following order.

(TV->VIDEO->SVHS->DTV)

5. Press the 「EXIT」 button to exit the menu.

☞ Since this product has a single tuner, you cannot watch two TV channels simultaneously in PIP mode.

37P

Operation

Changing the PIP Window Channel

When the PIP window shows normal broadcasting (TV and CATV) channels, you can change the PIP window channel.

☞ **Press the 「CHANNEL  / 」 button in the PIP function.**

Whenever you press this button, the channel is changed.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select FUNCTION SETUP using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

3. Select PIP SETUP using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

The PIP SETUP menu will be displayed.

4. Select PIP SOURCE using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

Select the desired external input signal using the 「CHANNEL  / 」 button.

Whenever you press this button, the channel changes.

5. Press the 「EXIT」 button to exit the menu.

☞ Since this product has a single tuner, you cannot watch two TV channels simultaneously when in PIP mode.

38P

Operation

Selecting Audio in the PIP Screen Mode

You can select the desired audio source from either the main screen, or the PIP window.

☞Pressing the 「SOUND」 button.

Whenever you press this button, the mode is changed to MAIN ⇄ SUB.

When MAIN is selected: Audio of the main screen is heard.

When SUB is selected: Audio of the PIP screen is heard.

Swapping the Main and the PIP Window

You can swap the video source of the main screen and the PIP window.

☞Pressing the SWAP button.

Whenever you press this button, the video source of the main screen and PIP window are swapped.

Changing the Location of the PIP Window

You can select the location of the PIP window from among the corners of the TV screen.

☞Pressing the 「ROTATE」 button.

Whenever you press this button, the PIP window moves from one corner to the next of the TV screen.

39P

Operation

Changing the Border Color of the PIP Window

You can change the border color of the PIP window.

1.Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select FUNCTION SETUP using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

3. Select PIP SETUP using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

The PIP SETUP menu will be displayed.

4. Select PIP BORDER using the 「CHANNEL  / 」 buttons and then press the 「VOL+」 button.

Select the BORDER color using the 「CHANNEL  / 」 button.

Whenever you press this button, the PIP window border color is changed to
GRAY ↴ BLACK ↴ MAGENTA ↴ CYAN ↴ OFF, in this order.

5. Press the 「EXIT」 button to exit the menu.

40P

Freezing the Picture

You can freeze a moving picture on the screen.

Press the 「STILL」 button.

Whenever you press this button, the freezing function is turned on or off.

☞ Even if the picture has been freezed, the audio sound continues normally.

☞ The freezing function will not work for the PIP window in PIP mode.

41P

Operation

Setting the Clock

Setting the clock is necessary for using the various timer features of the TV.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select FUNCTION SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select TIME SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

The TIME SETUP OSD will be displayed.

4. Move to the Hour using the 「VOL+」 button and then set the Hour to the correct time using the 「CHANNEL / 」 button.

5. Move to the Minute using the 「VOL+」 button and then set the Minutes to the correct time using the 「CHANNEL / 」 button.

6. Press the 「EXIT」 button to exit the menu.

42P

Operation

Setting the On/Off Timer

You can set the On/Off Timer to automatically turn the TV on and off at a desired time. The current time has to be configured first to set the On/Off Timer.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select FUNCTION SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Move to TIME SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

The TIME SETUP OSD will be displayed.

4. Move to TIMER using the 「CHANNEL  / 」 button and then press the 「VOL+」 button.

Select ON using the 「CHANNEL  / 」 button.

The ON/OFF TIMER works only when the timer is configured to ON.

5. Press the 「VOL+」 button.

Move to ON TIME/ OFF TIME using the 「CHANNEL  / 」 button.

43P

Operation

☞Turning On At 6:10 AM

1. Move to the Hours using the 「VOL+」 button and then set the Hour to 6 AM using the 「CHANNEL  / 」 button.

2. Move to the Minute using the 「VOL+」 button and then set the Minutes to 10 using the 「CHANNEL  / 」 button.

3. Press the 「VOL+」 button to finish the ON timer configuration.

4. Press the 「EXIT」 button to exit the menu.

☞Turning Off At 11:55 PM

1. Move to the Hour using the 「VOL+」 button and then set the Hour to 11 PM using the 「CHANNEL  / 」 button.

2. Move to the Minute using the 「VOL+」 button and then set the Minutes to 55 using the 「CHANNEL  / 」 button.

3. Press the 「VOL+」 button to complete the OFF timer configuration.

4. Press the 「EXIT」 button to exit the menu.

44P

Operation

Selecting the ON Timer Channel / Adjusting the ON Timer Volume

You can configure the channel and volume to play when the TV is turned on by the Timer.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select FUNCTION SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select TIME SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

The TIME SETUP OSD will be displayed.

4. Select CHANNEL using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

Select the desired channel to watch when the TV is turned on using the 「CHANNEL  / 」 button.

5. Press the 「VOL+」 button to finish the configuration.

6. Select VOLUME using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

Select the volume level for when the TV turns on using the 「CHANNEL  / 」 button.

7. Press the 「EXIT」 button to exit the menu.

45P

Operation

Setting the Sleep Timer

You can shut off the TV after a desired period of time.

⇨ Press the 「SLEEP」 button.

Whenever you press this button, the mode is changed to SLEEP OFF→SLEEP 10→SLEEP 20→SLEEP 30→ SLEEP 60,... →SLEEP 120 → SLEEP OFF, in this order.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select FUNCTION SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select TIME SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

The TIME SETUP OSD will be displayed.

4. Select SLEEP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

Configure the SLEEP time using the 「CHANNEL  / 」 button.

Whenever you press the button, the SLEEP time is changed to SLEEP OFF→SLEEP 10→SLEEP 20→SLEEP 30→ SLEEP 60,... →SLEEP 120 SLEEP→ OFF, in this order.

5. Press the 「EXIT」 button to exit the menu.

46P

Operation

BLUE SCREEN Function

You can configure a blue screen to appear instead of noise when no video signal is being received.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select FUNCTION SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select BLUE SCREEN using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

Select ON using the 「CHANNEL  / 」 button.

Whenever you press this button, the Blue Screen function is either activated or deactivated.

4. Press the 「EXIT」 button to exit the menu.

47P

Operation

MELODY Function

If the MELODY function is turned on, a melody plays whenever the TV is turned on or off.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select FUNCTION SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select MELODY using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

Select ON using the 「CHANNEL  / 」 button.

Whenever you press this button, the Melody function is turned either on or off.

4. Press the 「EXIT」 button to exit the menu.

48P

Operation

RESET Function

You can initialize the TV settings to the factory defaults.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select FUNCTION SETUP using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

3. Select RESET using the 「CHANNEL / 」 button and then press the 「VOL+」 button.

When you press this button, all settings are initialized with the factory defaults.

Note

After resetting, the screen goes blank and then displays a picture.

49P

Operation

Connecting to a PC

Connection Procedures

1. Connect the PC D-SUB INPUT jack of the TV and the monitor output jack of the PC using the D-Sub cable.

2. Connect the PC AUDIO jack of the TV and the audio output jack of the PC with the audio cable.

(This can only be applied when the PC actually has an audio output jack.)

Procedures for viewing the PC screen through the TV

1. Turn the PC on and check that the PC settings are correct.

☞ If the PC settings are incorrect, the screen may display a duplicated or distorted picture.

☞ For PC configuration procedures, refer to page 54.

2. Press the TV/SOURCE button and select PC INPUT mode.

Else you can press the PC button on the remote control instead.

3. Adjust the PC screen.

(For adjustment procedures, refer to page 55~59.)

50P

Operation

Configuring a PC

The following PC screen configuration procedures may differ depending on the model of your PC. This product supports DDC (Display Data Channel) to enable the automatic configuration of the screen.

PC Configuration Procedures

1.

1. In WINDOW98/ ME/ 2000/XP, select Start-> Control Panel
2. Click the mouse ->Select Display Properties.

2

Select Display in Step 1.

3

The Display Properties window will be displayed.

1. **Set the Screen resolution to 1280 by 768 pixels.**
2. **Set the Color quality to one of 16 bit, 24 bit, or 32 bit.**

Note

- . A screen resolution of WXGA(1280 X 768) provides the best screen quality.
- . Configure the screen color to 16-bit, or 24-bit.
- . The vertical frequency for a TFT LCD TV with a screen resolution of 1280 x 768 is 60Hz.

VESA Standard Mode
Resolution
Vertical Frequency

51P

Operation

Adjusting the PC Picture Quality

☞ Adjusting the Frequency

If vertical lines appear on the PC screen, adjust the frequency.

1.Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select PC SETUP using the 「CHANNEL / 」 buttons and then press the 「VOL+」 button.

3. Select FREQUENCY using the 「CHANNEL / 」 button and then adjust the frequency using the 「VOL+」 button.

During the adjustment, an additional adjustment window will be displayed.

4. Press the 「EXIT」 button to exit the menu.

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Operation

☞ Adjusting the Phase

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select PC SETUP using the 「CHANNEL  / 」 buttons and then press the 「VOL+」 button.

3. Select PHASE using the 「CHANNEL  / 」 button and then adjust the phase using the 「VOL+」 button.

During the adjustment, an additional adjustment window will be displayed.

4. Press the 「EXIT」 button to exit the menu.

53P

Operation

Adjusting the Picture Position

If the picture is not centered in the screen, adjust the picture position by completing the following procedures.

☞ Adjusting the Horizontal Position

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select PC SETUP using the 「CHANNEL  / 」 buttons and then press the 「VOL+」 button.

3. Select H_POSITION using the 「CHANNEL  / 」 buttons and adjust the horizontal position using the 「VOL+」 button.

During the adjustment, an additional adjustment window will be displayed.

4. Press the 「EXIT」 button to exit the menu.

54P

Operation

☞ Adjusting the Vertical Position

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select PC SETUP using the 「CHANNEL  / 」 buttons and then press the 「VOL+」 button.

3. Select V_POSITION using the 「CHANNEL  / 」 buttons and adjust the vertical position using the 「VOL+」 button.

During the adjustment, an additional adjustment window will be displayed.

4. Press the 「EXIT」 button to exit the menu.

55P

Operation

Initializing Settings (RESET)

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select PC SETUP using the 「CHANNEL  / 」 buttons and then press the 「VOL+」 button.

3. Select RESET using the 「CHANNEL  / 」 buttons and then select using the 「VOL+」 button.

This returns you to the factory default screen.

4. Press the 「EXIT」 button to exit the menu.

56P

Operation

Auto Set

You can adjust the frequency and the phase of the PC screen automatically.

1. Press the 「MENU」 button.

The OSD MENU will be displayed.

2. Select PC SETUP using the 「CHANNEL  / 」 buttons and then press the 「VOL+」 button.

3. Select AUTOSET using the 「CHANNEL  / 」 button and then select using the 「VOL+」 button.

The PC screen is adjusted automatically.

4. Press the 「EXIT」 button to exit the menu.

57P

Troubleshooting

If the TV seems to have a problem, first try the following list of possible problems and solutions before contacting a service center.

If none of these troubleshooting tips apply, do not attempt to repair the product yourself. Call your nearest service center.

Symptoms that may appear to be a problem

The following symptoms may happen even if the TV has no problem. First try the following list of possible problems and solutions before contacting a service center.

	Symptom	Possible Problem	Possible Solution
	No picture on the screen, and the power LED does not turn on.	Power connection problem.	Check the power cable connectivity to the power connector. Press the power switch again.

The TV is turned on, but there is no picture on the screen.	The brightness is adjusted too low. The fluorescent tube is out of order.	Adjust the brightness and the contrast so that a picture is displayed brightly. The fluorescent tube of a LCD TV has a lifetime of about 50,000 hours. To replace the fluorescent tube, contact a service center.
An afterimage is generated when continuously watching a still image.	This is caused by an inherent property of LCD panels. Depending on the number of valid pixels, there may be black or bright pixels. These will be less than 0.005% of the sum of all pixels. This is not a problem.	
No picture on the screen. No audio.	Discordance between the external device jack and the input switch button location	Adjust the input switch location.
A picture is displayed on the screen, but there is no audio.	The volume is adjusted to 0. Mute is active. The audio cable is disconnected.	Turn up the Volume button. Press the Mute button again. Check the audio cable connectivity.
Remote control malfunctions.	The polarity of the batteries installed in the remote control is wrong. The batteries installed in the remote control have not been discharged completely.	Reinstall the batteries properly. Replace the batteries with new ones.
Noise is heard on the radio.	This may happen when you use a radio near the TV.	Noise may occur when you use a radio near the TV. Keep some distance between any radios and the LCD TV.
No color in a color picture.	The Color density is adjusted to 0 or almost 0.	Adjust the Color density to 100 or less.
Duplicated pictures on the screen.	This may be caused by reflected broadcasting signals when there is are mountains,	Check if there are any tall objects such as skyscrapers near your house. Check that the direction of the antenna is adjusted correctly.

		buildings, or trees near your house.	
	Blurred or snowy picture.	The direction of the antenna is not optimal The antenna cable is disconnected.	Check that the direction of the antenna is correct. Check that the antenna cable is connected to the ANTENNA jack on the back of the LCD TV.

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First try the following list of possible problems and solutions.

If the symptom continues, turn the TV off, and call your nearest service center.

	Symptom	Possible Problem	Possible Solution
	A "No input signal" message appears	The Signal connection is incorrect.	Check that the computer is turned on. Check the display cable connectivity. Check the supported input signal specifications.
		The input signal is not supported by the LCD TV.	Check the supported input signal specifications. Check the display cable specifications.
	Vertical bars appear	Inappropriate clock	Perform an automatic adjustment or adjust the clock manually.
	Vertical lines and letters are blurred.	Inappropriate phase.	Perform an automatic adjustment or adjust the phase manually.
	The entire screen flickers.		This product has been optimally set to watch TV channels in the factory. There may be flickering when you watch still images from a PC. This is not a problem of the product.

Warning

If a problem has been detected, unplug the power cable from the wall outlet first.

Using the product when it has a fault may cause electric shocks or fire. Do not place objects near the wall outlet so that you can unplug the power cable if necessary.

59P

Specifications

The exterior design and the product specifications are subject to be changed without prior notice due to improvements in performance.

This product is manufactured for domestic use. This product may not be used in countries whose television system type or power voltage is different.

Model			
LCD Pannel	Screen Size		17”WIDE
	Viewable Screen Size		
	Pixel Area		
	Type		
	Viewing Angle		Up/Down: 120 degrees Left/Right: 150 degrees
Receiver / Channels			VHF: Channel? ~ Channel ??
			UHF: Channel ?? ~ Channel ?? CATV:??~??
			Television Broadcasting System: NTSC
Antenna Interface			VHF, UHF : 75?
TV/VIDEO	Video Signal		NTSC-M
	Video Type		CVBS, S-VHS
	COMPONENT		720p, 480p, 1080i
PC	Synchroni zation	Horizontal Frequency	30~60 KHz
		Vertical Frequency	56~75 Hz

PIP Screen Configuration Table

61P
Warranty

Back Cover
DMTECH Translation Request