Operating Instructions
Progressive Wide Hospitality Plasma Display

Model No. TH-42PG10M
TH-42PG10A

High Definition Hospitality Plasma Display

Model No. TH-37PR10M
TH-42PR10M
TH-37PR10A
TH-42PR10A

The illustration shown is an image.

Please read these instructions before operating your set and retain them for future reference.
Dear Panasonic Customer

Welcome to the Panasonic family of customers. We hope that you will have many years of enjoyment from your new Plasma Display.
To obtain maximum benefit from your set, please read these Instructions before making any adjustments, and retain them for future reference.
Retain your purchase receipt also, and note down the model number and serial number of your set in the space provided on the rear cover of these instructions.

Visit our Panasonic Web Site http://panasonic.net

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### Important Safety Notice

**WARNING**
1) To prevent damage which may result in fire or shock hazard, do not expose this appliance to dripping or splashing.
   - Do not place containers with water (flower vase, cups, cosmetics, etc.) above the set. (including on shelves above, etc.)
   - No naked flame sources, such as lighted candles, should be placed on / above the set.
2) To prevent electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.
3) Do not remove the earthing pin on the power plug. This apparatus is equipped with a three pin earthing-type power plug. This plug will only fit an earthing-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician.
   - Do not defeat the purpose of the earthing plug.
4) To prevent electric shock, ensure the earthing pin on the AC cord power plug is securely connected.

**CAUTION**
This appliance is intended for use in environments which are relatively free of electromagnetic fields. Using this appliance near sources of strong electromagnetic fields or where electrical noise may overlap with the input signals could cause the picture and sound to wobble or cause interference such as noise to appear. To avoid the possibility of harm to this appliance, keep it away from sources of strong electromagnetic fields.

**Trademark Credits**
- VGA is a trademark of International Business Machines Corporation.
- Macintosh is a registered trademark of Apple Computer, USA.
- S-VGA is a registered trademark of the Video Electronics Standard Association.
Even if no special notation has been made of company or product trademarks, these trademarks have been fully respected.

**Note:**
Do not allow a still picture to be displayed for an extended period, as this can cause a permanent image retention to remain on the Plasma Display.
Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode.
**WARNING**

**Setup**

This Plasma Display is for use only with the following optional accessories. Use with any other type of optional accessories may cause instability which could result in the possibility of injury.

(All of the following accessories are manufactured by Matsushita Electric Industrial Co., Ltd.)

- Pedestal ..............................................................................................................TY-ST09GR-S
- Wall-hanging bracket (vertical) ...........................................................................TY-WK42PV3W
- Wall-hanging bracket (angled) ............................................................................TY-WK42PR3W
- BNC Component Video Terminal Board.............................................................TY-42TM6A
- BNC Composite Video Terminal Board .............................................................TY-42TM6B
- BNC Dual Video Terminal Board .......................................................................TY-42TM6V
- Ir Through Terminal Board ...............................................................................TY-FB9BD
- RCA Component Video Terminal Board ............................................................TY-42TM6Z
- RCA Composite Video Terminal Board .............................................................TY-42TM6V
- PC Input Terminal Board ..................................................................................TY-42TM6P
- RGB (Digital) Terminal Board ..........................................................................TY-42TM6D
- HDMI Terminal Board ......................................................................................TY-FB8HM
- SCART Terminal Board ....................................................................................TY-FB8SC
- U/V Tuner Board ...............................................................................................TY-FB8TA
- Set Up Loader ....................................................................................................TY-RM09SL
- AV Terminal BOX .............................................................................................TY-TB10AV

Always be sure to ask a qualified technician to carry out set-up.

Small parts can present choking hazard if accidentally swallowed. Keep small parts away from young children. Discard unneeded small parts and other objects, including packaging materials and plastic bags/sheets to prevent them from being played with by young children, creating the potential risk of suffocation.

**Do not place the Plasma Display on sloped or unstable surfaces.**
- The Plasma Display may fall off or tip over.

**Do not place any objects on top of the Plasma Display.**
- If water is spills onto the Plasma Display or foreign objects get inside it, a short-circuit may occur which could result in fire or electric shock. If any foreign objects get inside the Plasma Display, please consult your local Panasonic dealer.

**Transport only in upright position!**
- Transporting the unit with its display panel facing upright or downward may cause damage to the internal circuitry.

**Ventilation should not be impeded by covering the ventilation openings with items such as newspapers, table cloths and curtains.**

For sufficient ventilation;
If using the pedestal (optional accessory) for the Plasma Display, leave a space of at least 10 cm at the top, left and right, at least 6 cm at the bottom, and at least 7 cm at the rear. If using some other setting-up method, leave a space of at least 10 cm at the top, bottom, left and right, and at least 7 cm at the rear.
Safety Precautions

■ When using the Plasma Display

The Plasma Display is designed to operate on 220-240 V AC, 50/60 Hz.

Do not cover the ventilation holes.
• Doing so may cause the Plasma Display to overheat, which can cause fire or damage to the Plasma Display.

Do not stick any foreign objects into the Plasma Display.
• Do not insert any metal or flammable objects into the ventilations holes or drop them onto the Plasma Display, as doing so can cause fire or electric shock.

Do not remove the cover or modify it in any way.
• High voltages which can cause severe electric shocks are present inside the Plasma Display. For any inspection, adjustment and repair work, please contact your local Panasonic dealer.

Ensure that the mains plug is easily accessible.

Do not use any power supply cord other than that provided with this unit.
• Doing so may cause fire or electric shocks.

Securely insert the power supply plug as far as it will go.
• If the plug is not fully inserted, heat may be generated which could cause fire. If the plug is damaged or the wall socket is loose, they shall not be used.

Do not handle the power supply plug with wet hands.
• Doing so may cause electric shocks.

Do not do anything that may damage the power cable. When disconnecting the power cable, pull on the plug body, not the cable.
• Do not damage the cable, make any modifications to it, place heavy objects on top of it, heat it, place it near any hot objects, twist it, bend it excessively or pull it. To do so may cause fire and electric shock. If the power cable is damaged, have it repaired at your local Panasonic dealer.

If the Plasma Display is not going to be used for any prolonged length of time, unplug the power supply plug from the wall outlet.

■ If problems occur during use

If a problem occurs (such as no picture or no sound), or if smoke or an abnormal odour starts to come out from the Plasma Display, immediately unplug the power supply plug from the wall outlet.
• If you continue to use the Plasma Display in this condition, fire or electric shock could result. After checking that the smoke has stopped, contact your local Panasonic dealer so that the necessary repairs can be made. Repairing the Plasma Display yourself is extremely dangerous, and shall never be done.

If water or foreign objects get inside the Plasma Display, if the Plasma Display is dropped, or if the cabinet becomes damaged, disconnect the power supply plug immediately.
• A short circuit may occur, which could cause fire. Contact your local Panasonic dealer for any repairs that need to be made.
Safety Precautions

⚠️ CAUTION

When using the Plasma Display

Do not bring your hands, face or objects close to the ventilation holes of the Plasma Display.
- Heated air comes out from the ventilation holes at the top of Plasma Display will be hot. Do not bring your hands or face, or objects which cannot withstand heat, close to this port, otherwise burns or deformation could result.

Be sure to disconnect all cables before moving the Plasma Display.
- If the Plasma Display is moved while some of the cables are still connected, the cables may become damaged, and fire or electric shock could result.

Disconnect the power supply plug from the wall socket as a safety precaution before carrying out any cleaning.
- Electric shocks can result if this is not done.

Clean the power cable regularly to prevent it becoming dusty.
- If dust built up on the power cord plug, the resultant humidity can damage the insulation, which could result in fire.
  Pull the power cord plug out from the wall outlet and wipe the mains lead with a dry cloth.

This Plasma Display radiates infrared rays, therefore it may affect other infrared communication equipment. Install your infrared sensor in a place away from direct or reflected light from your Plasma Display.

Cleaning and maintenance

The front of the display panel has been specially treated. Wipe the panel surface gently using only a cleaning cloth or a soft, lint-free cloth.
- If the surface is particularly dirty, wipe with a soft, lint-free cloth which has been soaked in pure water or water in which neutral detergent has been diluted 100 times, and then wipe it evenly with a dry cloth of the same type until the surface is dry.
- Do not scratch or hit the surface of the panel with fingernails or other hard objects, otherwise the surface may become damaged. Furthermore, avoid contact with volatile substances such as insect sprays, solvents and thinner, otherwise the quality of the surface may be adversely affected.

If the cabinet becomes dirty, wipe it with a soft, dry cloth.
- If the cabinet is particularly dirty, soak the cloth in water to which a small amount of neutral detergent has been added and then wring the cloth dry. Use this cloth to wipe the cabinet, and then wipe it dry with a dry cloth.
- Do not allow any detergent to come into direct contact with the surface of the Plasma Display. If water droplets get inside the unit, operating problems may result.
- Avoid contact with volatile substances such as insect sprays, solvents and thinner, otherwise the quality of the cabinet surface may be adversely affected or the coating may peel off. Furthermore, do not leave it for long periods in contact with articles made from rubber or PVC.
Accessories

Accessories Supply

Check that you have the accessories and items shown

- Operating Instruction book
- Remote Control Transmitter N2QAYB000178
- Batteries for the Remote Control Transmitter (2 × R6 (AA) Size)
- Fixing bands × 2
- Power supply cord (TH-42PG10M, TH-37PR10M, TH-42PR10M)
- (TH-42PG10A, TH-37PR10A, TH-42PR10A)

Remote Control Batteries

Requires two R6 batteries.

1. Pull and hold the hook, then open the battery cover.
2. Insert batteries - note correct polarity (+ and -).
3. Close the cover.

Helpful Hint:
For frequent remote control users, replace old batteries with Alkaline batteries for longer life.

⚠️ Precaution on battery use
Incorrect installation can cause battery leakage and corrosion that will damage the remote control transmitter.
Disposal of batteries should be in an environment-friendly manner.

Observe the following precaution:
1. Batteries shall always be replaced as a pair. Always use new batteries when replacing the old set.
2. Do not combine a used battery with a new one.
3. Do not mix battery types (example: “Zinc Carbon” with “Alkaline”).
4. Do not attempt to charge, short-circuit, disassemble, heat or burn used batteries.
5. Battery replacement is necessary when remote control acts sporadically or stops operating the Plasma Display set.
**Connections**

**AC cord fixing**

1. Plug the AC cord into the display unit. Plug the AC cord until it clicks.
2. Fix the AC cord with the clapper which is attached to the unit.

**Note:** Make sure that the AC cord is locked on both the left and right sides.

**Close**

- Push until the hook clicks.

**Open**

- 1. Keep the knob pressed
- 2. Pull off.

**Unplug the AC cord**

- Unplug the AC cord pressing the two knobs.

**Note:** When disconnecting the AC cord, be absolutely sure to disconnect the AC cord plug at the socket outlet first.

**Cable fixing bands** Secure any excess cables with bands as required.

- Pass the attached cable fixing band through the clip as shown in the figure.
- To secure cables connected to Terminals, wrap the cable fixing band around them then pass the pointed end through the locking block, as shown in the figure. **While ensuring there is sufficient slack in cables to minimize stress (especially in the power cord), firmly bind all cables with the supplied fixing band.**

**To tighten:**

- Pull

**To loosen:**

- Push the catch

---

**Note:**

At factory shipment, Terminal board is installed in SLOT 1 only.
PC Input Terminals connection

Notes:
- Due to space limitations, occasionally you may have trouble connecting Mini D-sub 15P cable with ferrite core to PC input Terminal.
- Computer signals which can be input are those with a horizontal scanning frequency of 15 to 110 kHz and vertical scanning frequency of 48 to 120 Hz. (However, the image will not be displayed properly if the signals exceed 1,200 lines.)
- The display resolution is a maximum of 768 × 720 dots (TH-37PR10M, TH-37PR10A), 768 × 768 dots (TH-42PR10M, TH-42PR10A), 640 × 480 dots (TH-42PG10M, TH-42PG10A) when the aspect mode is set to “4:3”, and 1,024 × 720 dots (TH-37PR10M, TH-37PR10A), 1,024 × 768 dots (TH-42PR10M, TH-42PR10A), 852 × 480 dots (TH-42PG10M, TH-42PG10A) when the aspect mode is set to “16:9”. If the display resolution exceeds these maximums, it may not be possible to show fine detail with sufficient clarity.
- The PC input terminals are DDC2B-compatible. If the computer being connected is not DDC2B-compatible, you will need to make setting changes to the computer at the time of connection.
- Some PC models cannot be connected to the set.
- There is no need to use an adapter for computers with DOS/V compatible Mini D-sub 15P terminal.
- The computer shown in the illustration is for example purposes only.
- Additional equipment and cables shown are not supplied with this set.
- Do not set the horizontal and vertical scanning frequencies for PC signals which are above or below the specified frequency range.
- Component Input is possible with the pin 1, 2, 3 of the Mini D-sub 15P Connector.
- Change the “Component/RGB-in select” setting in the “Setup” menu to “Component” (when Component connection) or “RGB” (when RGB signal connection). (see page 33)

Signal Names for Mini D-sub 15P Connector

<table>
<thead>
<tr>
<th>Pin No.</th>
<th>Signal Name</th>
<th>Pin No.</th>
<th>Signal Name</th>
<th>Pin No.</th>
<th>Signal Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>R (Pr/Cr)</td>
<td>6</td>
<td>GND (Ground)</td>
<td>11</td>
<td>NC (not connected)</td>
</tr>
<tr>
<td>2</td>
<td>G (Y)</td>
<td>7</td>
<td>GND (Ground)</td>
<td>12</td>
<td>SDA</td>
</tr>
<tr>
<td>3</td>
<td>B (Ps/Cs)</td>
<td>8</td>
<td>GND (Ground)</td>
<td>13</td>
<td>HD/SYNC</td>
</tr>
<tr>
<td>4</td>
<td>NC (not connected)</td>
<td>9</td>
<td>NC (not connected)</td>
<td>14</td>
<td>VD</td>
</tr>
<tr>
<td>5</td>
<td>GND (Ground)</td>
<td>10</td>
<td>GND (Ground)</td>
<td>15</td>
<td>SCL</td>
</tr>
</tbody>
</table>
SERIAL Terminals connection

The SERIAL terminal is used when the Plasma Display is controlled by a computer.

Notes:
• Use the RS-232C cable to connect the computer to the Plasma Display.
• The computer shown is for example purposes only.
• Additional equipment and cables shown are not supplied with this set.

The SERIAL terminal conforms to the RS-232C interface specification, so that the Plasma Display can be controlled by a computer which is connected to this terminal.

The computer will require software which allows the sending and receiving of control data which satisfies the conditions given below. Use a computer application such as programming language software. Refer to the documentation for the computer application for details.

Communication parameters

<table>
<thead>
<tr>
<th>Signal level</th>
<th>RS-232C compliant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synchronization</td>
<td>Asynchronous</td>
</tr>
<tr>
<td>Baud rate</td>
<td>9600 bps</td>
</tr>
<tr>
<td>Parity</td>
<td>None</td>
</tr>
<tr>
<td>Character length</td>
<td>8 bits</td>
</tr>
<tr>
<td>Stop bit</td>
<td>1 bit</td>
</tr>
<tr>
<td>Flow control</td>
<td>-</td>
</tr>
</tbody>
</table>

Basic format for control data

The transmission of control data from the computer starts with a STX signal, followed by the command, the parameters, and lastly an ETX signal in that order. If there are no parameters, then the parameter signal does not need to be sent.

Notes:
• If multiple commands are transmitted, be sure to wait for the response for the first command to come from this unit before sending the next command.
• If an incorrect command is sent by mistake, this unit will send an “ER401” command back to the computer.
• SL1A, SL1B, SL2A and SL2B of Command IMS are available only when a dual input terminal board is attached.

Command

<table>
<thead>
<tr>
<th>Command</th>
<th>Parameter</th>
<th>Control details</th>
</tr>
</thead>
<tbody>
<tr>
<td>PON</td>
<td>None</td>
<td>Power ON</td>
</tr>
<tr>
<td>POF</td>
<td>None</td>
<td>Power OFF</td>
</tr>
<tr>
<td>AVL</td>
<td>**</td>
<td>Volume 00 - 63</td>
</tr>
<tr>
<td>AMT</td>
<td>0</td>
<td>Audio MUTE OFF</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Audio MUTE ON</td>
</tr>
<tr>
<td>IMS</td>
<td>None</td>
<td>Input select (toggle)</td>
</tr>
<tr>
<td></td>
<td>SL1</td>
<td>Slot1 input</td>
</tr>
<tr>
<td></td>
<td>SL2</td>
<td>Slot2 input</td>
</tr>
<tr>
<td></td>
<td>SL3</td>
<td>Slot3 input</td>
</tr>
<tr>
<td></td>
<td>PC1</td>
<td>PC input</td>
</tr>
<tr>
<td></td>
<td>SL1A</td>
<td>Slot1 input (INPUT1A)</td>
</tr>
<tr>
<td></td>
<td>SL1B</td>
<td>Slot1 input (INPUT1B)</td>
</tr>
<tr>
<td></td>
<td>SL2A</td>
<td>Slot2 input (INPUT2A)</td>
</tr>
<tr>
<td></td>
<td>SL2B</td>
<td>Slot2 input (INPUT2B)</td>
</tr>
<tr>
<td>DAM</td>
<td>None</td>
<td>Screen mode select (toggle)</td>
</tr>
<tr>
<td></td>
<td>NORM</td>
<td>NORMAL (4 : 3)</td>
</tr>
<tr>
<td></td>
<td>ZOOM</td>
<td>ZOOM</td>
</tr>
<tr>
<td></td>
<td>FULL</td>
<td>FULL</td>
</tr>
<tr>
<td></td>
<td>JUST</td>
<td>JUST</td>
</tr>
<tr>
<td></td>
<td>SELF</td>
<td>Panasonic AUTO</td>
</tr>
</tbody>
</table>

With the power off, this display responds to PON command only.
AV & COMPONENT connection

This unit has terminal board equivalent to BNC Component Video Terminal Board (TY-42TM6A) as standard equipment.

Note:
Additional equipment, cables and adapter plugs shown are not supplied with this set.
Power On / Off

Connecting the AC cord plug to the Plasma Display.

Fix the AC cord plug securely to the Plasma Display with the clamper. (see page 8)

Connecting the plug to the Wall Outlet.

Notes:
• Main plug types vary between countries. The power plug shown at right may, therefore, not be the type fitted to your set.
• When disconnecting the AC cord, be absolutely sure to disconnect the AC cord plug at the socket outlet first.

Press the Power switch on the Plasma Display to turn the set on: Power-On.

Power Indicator: Green

Example: The screen below is displayed for a while after the Plasma Display is turned on (setting condition is an example).

POWER

Press the button on the remote control to turn the Plasma Display off.

Power Indicator: Red (standby)

Press the button on the remote control to turn the Plasma Display on.

Power Indicator: Green

Turn the power to the Plasma Display off by pressing the switch on the unit, when the Plasma Display is on or in standby mode.

Note:
During operation of the power management function, the power indicator turns orange in the power off state.
Initial selections

Selecting the input signal

Select the input signals to be connected by installing the optional Terminal Boards.

Press to select the input signal to be played back from the equipment which has been connected to the Plasma Display.

Input signals will change as follows:

INPUT1 → INPUT2 → INPUT3 → PC

Notes:
• Selecting is also possible by pressing the INPUT button on the unit.
• Input terminal will not be selected if the terminal board is not installed into the SLOT.
• Select to match the signals from the source connected to the component/RGB input terminals. (see page 33)
• In 2 screen display, the same input mode cannot be selected for the main picture and sub picture.

Selecting the On-Screen Menu Language

Press to display the Setup menu.
Press to select the OSD Language.
Press to select your preferred language.

Selectable languages

- English(UK)
- Deutsch
- Français
- Italiano
- Español
- ENGLISH(US)
- 中文 (Chinese)
- 日本語 (Japanese)
- Русский (Russian)
Basic Controls

Power Indicator
The Power Indicator will light.
• Power-OFF .... Indicator not illuminated (The unit will still consume some power as long as the power cord is still inserted into the wall outlet.)
• Standby........ Red
• Power-ON ...... Green
• DPMS............Orange (With PC input signal and during operation of PC’s screensaver.)

Main Power On / Off Switch

Volume Adjustment
Volume Up “+” Down “–”
When the menu screen is displayed:
“+”: press to move the cursor up
“–”: press to move the cursor down
(see page 16)

Enter / Aspect button
(see page 16, 18)

MENU Screen ON / OFF
Each time the MENU button is pressed, the menu screen will switch. (see page 16)
→ Normal Viewing → Picture → Setup → Sound ← Pos. /Size ←

POS. /SIZE button (see page 19)

PICTURE button (see page 22)

Sound mute On / Off (see page 25)

N button (see page 19, 22, 23, 24, 25)

POSITION buttons

INPUT button
(INPUT1, INPUT2, INPUT3 and PC selection)
Press to select INPUT1, INPUT2, INPUT3 and PC input SLOTS sequentially. (see page 13)
When a dual input terminal board is attached, A or B is displayed depending on the selected input signal. (Ex. INPUT1A, INPUT1B)

Note:
Image retention (image lag) may occur on the plasma display panel when a still picture is kept on the panel for an extended period. The function that darkens the screen slightly is activated to prevent image retention (see page 46), this function is not the perfect solution to image retention.

MULTI Window buttons (see page 20)
Standby (ON / OFF) button
The Plasma Display must first be plugged into the wall outlet and turned on at the power switch (see page 12). Press this button to turn the Plasma Display On, from Standby mode. Press it again to turn the Plasma Display Off to Standby mode.

ASPECT button
Press to adjust the aspect. (see page 18)

ACTION button
Press to make selections.

SURROUND button
The surround setting switches on and off each time the SURROUND button is pressed. The benefits of surround sound are enormous. You can be completely enveloped in sound; just as if you were at a concert hall or cinema.

Note:
The surround settings are memorized separately for each Sound Mode (Normal, Dynamic, Clear).

OFF TIMER button
The Plasma Display can be preset to switch to stand-by after a fixed period. The setting changes to 30 minutes, 60 minutes, 90 minutes and 0 minutes (off timer cancelled) each time the button is pressed.

When three minutes remain, “Off timer 3” will flash. The off timer is cancelled if a power interruption occurs.

SET UP button (see page 16, 17)

SOUND button (see page 25)

Volume Adjustment
Press the Volume Up “+” or Down “−” button to increase or decrease the sound volume level.

R button (see page 17)
Press the R button to return to previous menu screen.

Digital Zoom (see page 26)
Press to access Digital Zoom.
This displays an enlargement of the designated part of the displayed image.
On-Screen Menu Displays

To Picture adjust menu (see page 22)

Press to select “On”.
Press to enter Advanced settings.

To Advanced settings (see page 22, 23)

Press to select.
Press to access each adjust screen.

To Sound adjust menu (see page 25)

Press to enter Advanced settings.

To Pos./Size adjust menu (see page 19)

During “AV(S Video)”, “Component” and “Digital” input signal.

During “RGB / PC” input signal.

Each time the MENU button is pressed, the menu screen will switch.

> Normal Viewing → Picture → Setup

Sound ← Pos. /Size ←

Press to select.
Press to access each adjust screen.

To Pos./Size adjust menu (see page 19)

Normal Viewing Picture Setup

Sound Pos. /Size

1 Press to select.
2 Press to access each adjust screen.

To Picture adjust menu (see page 22)

Press to select.
Press to enter Advanced settings.

To Advanced settings (see page 22, 23)

Press to select.
Press to access each adjust screen.

To Sound adjust menu (see page 25)

Press to enter Advanced settings.

Press to access each adjust screen.
On-Screen Menu Displays

Note:
Menu that cannot be adjusted is grayout. Adjustable menu changes depending on signal, input and menu setting.

Press to access each adjust screen.

Press to return to next menu screen.

Press the R button to return to previous menu screen.

To Signal screen for AV (S Video) (see page 33, 34)

Signal | AV |
---|---|
3D Y/C Filter (NTSC) | Off
Colour system | Off
Cinema reality | Off
Panasonic Auto (4 : 3) | Off
P-NR | Off

To Signal screen for Component (see page 34)

Signal | Component |
---|---|
Cinema reality | Off
P-NR | Off

To Signal screen for RGB (see page 34, 35)

Signal | RGB |
---|---|
Sync | Auto
Cinema reality | Off
P-NR | Off
H-Freq. | 33.8 kHz
V-Freq. | 60.0 Hz

To Signal screen for Digital (see page 34, 35)

Signal | Digital |
---|---|
Cinema reality | Off
P-NR | Off
H-Freq. | 33.8 kHz
V-Freq. | 60.0 Hz

Note: “Signal” setup menu displays different setting condition for each input signals. (see page 13)

Press to select Start Time / Finish Time (When Time Designation is selected).
Press to select Periodic Time / Operating Time (When Interval is selected).

Press to Setup.

Press the R button to return to “Setup” menu.

To setup Screensaver (see page 29-31)

Screensaver | PRESENT TIME 15:00 |
---|---|
Start | |
Function | White bar scroll |
Mode | Time Designation |
Start Time | 8:15 |
Finish Time | 12:30 |
Side panel | High |
Wobbling | Off |
Peak limit | Off |

Press to Set up Timer selection screen (see page 27, 28)

Press to select POWER ON Time / POWER OFF Time.

Press to Set up POWER ON Time / POWER OFF Time.

Press the R button to return to “Setup” menu.

To PRESENT TIME Setup (see page 27)

PRESENT TIME Setup | PRESENT TIME MON 99:99 |
---|---|
Set | |
DAY | |
PRESENT TIME | |

Press to select POWER ON Time / POWER OFF Time.

Press to Set up POWER ON Time / POWER OFF Time.

Press the R button to return to “Setup” menu.
**ASPECT Controls**

The Plasma Display will allow you to enjoy viewing the picture at its maximum size, including wide screen cinema format picture.

**Press repeatedly to move through the aspect options:**

\[
4:3 \rightarrow \text{Zoom} \rightarrow 16:9 \rightarrow \text{Panasonic Auto} \rightarrow \text{Just} \rightarrow
\]

**Note:**
When selecting an input slot that attaches BNC Dual Video Terminal Board (TY-FB9BD), Panasonic Auto cannot be selected.

**The aspect mode changes each time the ENTER button is pressed.**

**[from the unit]**

**[During MULTI PIP Operations]**
- Picture and Picture, Picture in Picture:
  
  \[
 4:3 \rightarrow 16:9
  \]
- Others: Aspect switching is not possible.

**Notes:**
- For PC signal input, the mode switches between “4:3”, “Zoom” and “16:9” only.
- For a 1125 (1080) / 60i · 50i · 24p · 25p · 30p · 24sF, 1250 (1080) / 50i, 750 (720) / 60p · 50p signal input, the mode is set to “16:9” mode, and switching is not possible.
- Panasonic Auto can be selected only during Video signal input.
- The aspect mode is memorized separately for each input terminal.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Picture</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 : 3</td>
<td><img src="image" alt="4:3 Image" /></td>
<td>4:3 will display a 4:3 picture at its standard 4:3 size.</td>
</tr>
<tr>
<td>Zoom</td>
<td><img src="image" alt="Zoom Image" /></td>
<td>Zoom mode magnifies the central section of the picture.</td>
</tr>
<tr>
<td>16 : 9</td>
<td><img src="image" alt="16:9 Image" /></td>
<td>16:9 will display the picture at its maximum size but with slight elongation.</td>
</tr>
<tr>
<td>Just</td>
<td><img src="image" alt="Just Image" /></td>
<td>Just mode will display a 4:3 picture at its maximum size but with aspect correction applied to the center of the screen so that elongation is only apparent at the left and right edges of the screen. The size of the picture will depend on the original signal.</td>
</tr>
<tr>
<td>Panasonic Auto</td>
<td><img src="image" alt="Panasonic Auto Image" /></td>
<td>For an elongated image, image is expanded in accordance with the Panasonic Auto mode setting (see page 34).</td>
</tr>
</tbody>
</table>

**Note:**
Do not allow the picture to be displayed in 4:3 mode for an extended period, as this can cause a permanent image retention to remain on the Plasma Display Panel.
Adjusting Pos. / Size

1. Press to display the Pos. /Size menu.

2. Press to select H-Pos / H-Size / V-Pos / V-Size / Clock Phase.

3. Press to adjust Pos. / Size.

4. Press to exit from adjust mode.

Notes:
- Adjustment details are memorized separately for different input signal formats (Adjustments for component signals are memorized for 525 (480) / 60i · 60p, 625 (575) / 50i · 50p, 1125 (1080) / 60i · 50i · 24p · 25p · 30p · 24sF, 1250 (1080) / 50i, 750 (720) / 60p · 50p each, and RGB/PC/Digital signals are memorized for each frequency.)
- If a “Cue” or “Rew” signal from a VCR or DVD player is received, the picture position will shift up or down. This picture position movement cannot be controlled by the Picture Pos./Size function.
- If adjusting the Picture V-Pos/V-Size in Panasonic Auto with 16:9 mode, the adjustment is not memorized. When exiting the mode, the screen will return to a former adjustment.

H-Pos  Adjust the horizontal position.

H-Size  Adjust the horizontal size.

V-Pos  Adjust the vertical position.

V-Size  Adjust the vertical size.

Clock Phase (RGB/PC in mode)  Eliminate the flickering and distortion.

Helpful Hint (N / Normalise Normalisation)
While the Pos. / Size display is active, if either the N button on the remote control is pressed at any time or the ACTION ( ) button is pressed during "Normalise", then all adjustment values are returned to the factory settings.
**MULTI PIP**

Press repeatedly. Each time pressing this button main picture and sub picture will be displayed as follows below.

![Diagram showing MULTI PIP settings]

- **Normal Viewing**
- **SWAP**
- **SELECT**
- **INPUT**
- **MOVE**
- **ZOOM**

**Notes:**
- The sub picture sound is heard while a sub picture operation is underway.
- The sub picture operation automatically returns to the main picture operation if a sub picture operation has not been performed for about 5 seconds or if any of the remote control buttons is pressed (except button).

Press to swap main picture and sub picture.

Press to select the input mode. Under main picture and sub picture display, select the picture which you would like to change input modes.

**Notes:**
- This button is effective only in the picture in picture.
- The sub picture may be hidden by the on screen display, depending on its position.

Press to move the sub picture. Each time the location of the sub picture will be moved.

Press to change input signal.

**Notes:**
- If “INPUT lock” in Options menu is set to other than “Off”, MULTI PIP function isn’t available.
- Sound output is from the picture which is selected in Audio Out (PIP) (See page 25).
- In 2 screen display, the same input mode cannot be selected for the main picture and sub picture.
- The main picture and sub picture are processed by different circuits, resulting in a slight difference in the clarity of the pictures. There may also be a difference in the picture quality of the sub picture depending on the type of signals displayed on the main picture and depending on the 2-picture display mode.
- Due to the small dimensions of the sub pictures, these sub pictures cannot be shown in detail.
- Computer screen picture is displayed in a simplified format, and it may not be possible to discern details on them satisfactorily.
- Following combinations of two analog signals cannot be displayed simultaneously;
  Component - Component, Component - PC (RGB), PC (RGB) - Component, PC (RGB) - PC (RGB)
Advanced PIP

Press to display the Setup menu.
Press to select “OSD Language”.
Press and hold until the Options menu is displayed.
Press to select Advanced PIP.
Press to adjust the menu.
Off : Sets normal two screen display mode (see page 20).
On : Sets Advanced PIP mode.
Press to exit from Options menu.

(When Advanced PIP is On)

Note:
Each time pressing this button main picture and sub picture will be displayed as above.

To use buttons for the screen operations, follow the procedures in the previous page.

Notes:
• Advanced PIP corresponding signal

<table>
<thead>
<tr>
<th>Sub screen</th>
<th>Main screen</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTSC, PAL, SECAM (tuner, video)</td>
<td>640x480@60Hz, 852x480@60Hz, 1024x768@60Hz, 1366x768@60Hz (RGB, DVI, HDMI)</td>
</tr>
<tr>
<td>525i, 525p, 625i, 625p, 750/60p, 750/50p, 1125/60i, 1125/50i, 1250/50i (Component Video, RGB, DVI, SDI, HDMI)</td>
<td>1280x768@60Hz (DVI)</td>
</tr>
</tbody>
</table>

• If “INPUT lock” in Options menu is set to other than “Off”, MULTI PIP function isn’t available.
• Sound output is from the picture which is selected in Audio Out (PIP) (See page 25).
• In 2 screen display, the same input mode cannot be selected for the main picture and sub picture.
• The main picture and sub picture are processed by different circuits, resulting in a slight difference in the clarity of the pictures. There may also be a difference in the picture quality of the sub picture depending on the type of signals displayed on the main picture and depending on the 2-picture display mode.
• Due to the small dimensions of the sub pictures, these sub pictures cannot be shown in detail.
• Computer screen picture is displayed in a simplified format, and it may not be possible to discern details on them satisfactorily.
• Following combinations of two analog signals cannot be displayed simultaneously:
  Component - Component, Component - PC (RGB), PC (RGB) - Component, PC (RGB) - PC (RGB)
• Refer to each board’s operating instruction for DVI, SDI, HDMI’s corresponding signals.
Picture Adjustments

1  Press to display the Picture menu.

2  Select to adjust each item.

- Press to select the menu to adjust.
- Select the desired level by looking at the picture behind the menu.

**Note:** Menu that cannot be adjusted is grayout. Adjustable menu changes depending on signal, input and menu setting.

### Picture Adjustments

#### Picture Mode
- **Normal**
- **Dynamic**
- **Cinema**

For TH-42PG10M, TH-42PG10A: see page 23

Advanced settings On
Enables fine picture adjustment at a professional level.

Advanced settings Off
Displays images with settings of the Picture menu.

#### White balance
- **Normal**
- **Cool**
- **Warm**

#### Colour Management
- **On**
- **Off**

### Helpful Hint (Normalise Normalisation)

While the “Picture” menu is displayed, if either the N button on the remote control is pressed at any time or the ACTION (■) button is pressed during “Normalise”, then all adjustment values are returned to the factory settings.
### Item Effect Adjustments

<table>
<thead>
<tr>
<th>Item</th>
<th>Effect</th>
<th>Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contrast</td>
<td>Less More</td>
<td>Selects the proper brightness and density for the room.</td>
</tr>
<tr>
<td>Brightness</td>
<td>Darker Brighter</td>
<td>Adjusts for easier viewing of dark pictures such as night scenes and black hair.</td>
</tr>
<tr>
<td>Colour</td>
<td>Less More</td>
<td>Adjusts colour saturation.</td>
</tr>
<tr>
<td>Tint</td>
<td>Reddish Greenish</td>
<td>Adjusts for nice skin colour.</td>
</tr>
<tr>
<td>Sharpness</td>
<td>Less More</td>
<td>Adjusts picture sharpness.</td>
</tr>
</tbody>
</table>

### Notes:
- “Colour” and “Tint” settings cannot be adjusted for “RGB/PC” and “Digital” input signal.
- You can change the level of each function (Contrast, Brightness, Colour, Tint, Sharpness) for each Picture Mode.
- The setting details for normal, dynamic and cinema respectively are memorized separately for each input terminal.
- The “Tint” setting can be adjusted for NTSC signal only during “AV (S Video)” input signal.
- In Contrast, there is not a noticeable change even when contrast is increased with a bright picture or reduced with a dark picture.

### Picture Adjustments

### Notes:
- Carry out “W/B” adjustment as follows.
  1. Adjust the white balance of the bright sections using the “W/B High R” and “W/B High B” settings.
  2. Adjust the white balance of the dark sections using the “W/B Low R” and “W/B Low B” settings.
  3. Repeat steps 1 and 2 to adjust.
- Steps 1 and 2 affect each other’s settings, so repeat each step in turn to make the adjustment.
- The adjustment values are memorized separately for each input terminal.
- The adjustment range values should be used as an adjustment reference.

### Advanced settings (For TH-42PG10M, TH-42PG10A)

<table>
<thead>
<tr>
<th>Item</th>
<th>Effect</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black extension</td>
<td>Less More</td>
<td>Adjusts the dark shades of the image in gradation.</td>
</tr>
<tr>
<td>Input level</td>
<td>Less More</td>
<td>Adjustment of parts which are extremely bright and hard to see. (This cannot be adjusted when the input signal is Digital.)</td>
</tr>
<tr>
<td>W/B High R</td>
<td>Less More</td>
<td>Adjusts the white balance for light red areas.</td>
</tr>
<tr>
<td>W/B High B</td>
<td>Less More</td>
<td>Adjusts the white balance for light blue areas.</td>
</tr>
<tr>
<td>W/B Low R</td>
<td>Less More</td>
<td>Adjusts the white balance for dark red areas.</td>
</tr>
<tr>
<td>W/B Low B</td>
<td>Less More</td>
<td>Adjusts the white balance for dark blue areas.</td>
</tr>
<tr>
<td>Gamma</td>
<td>Down Up</td>
<td>S Curve $\leftarrow 2.0 \leftarrow 2.2 \leftarrow \rightarrow 2.5$</td>
</tr>
<tr>
<td>AGC</td>
<td>Off On</td>
<td>Increases the brightness of dark signal automatically.</td>
</tr>
</tbody>
</table>

### Helpful Hint ( N / Normalise Normalisation)

On the remote control unit, while the “Advanced settings” menu is displayed, if either the N button is pressed at any time or the ACTION ( ) button is pressed during “Normalise”, then all adjustment values are returned to the factory settings.
### Picture Adjustments

(For TH-37PR10M, TH-42PR10M, TH-37PR10A, TH-42PR10A)

#### Advanced settings

<table>
<thead>
<tr>
<th>Item</th>
<th>Effect</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black extension</td>
<td>Less</td>
<td>More</td>
</tr>
<tr>
<td>Input level</td>
<td>Less</td>
<td>More</td>
</tr>
<tr>
<td>Gamma</td>
<td>Down</td>
<td>Up</td>
</tr>
<tr>
<td>AGC</td>
<td>Off</td>
<td>On</td>
</tr>
<tr>
<td>W/B High R</td>
<td>Less</td>
<td>More</td>
</tr>
<tr>
<td>W/B High G</td>
<td>Less</td>
<td>More</td>
</tr>
<tr>
<td>W/B High B</td>
<td>Less</td>
<td>More</td>
</tr>
<tr>
<td>W/B Low R</td>
<td>Less</td>
<td>More</td>
</tr>
<tr>
<td>W/B Low G</td>
<td>Less</td>
<td>More</td>
</tr>
<tr>
<td>W/B Low B</td>
<td>Less</td>
<td>More</td>
</tr>
</tbody>
</table>

*Adjusts the dark shades of the image in gradation.*

*Adjustment of parts which are extremely bright and hard to see.*

*Adjusts the white balance for light red areas.*

*Adjusts the white balance for light green areas.*

*Adjusts the white balance for light blue areas.*

*Adjusts the white balance for dark red areas.*

*Adjusts the white balance for dark green areas.*

*Adjusts the white balance for dark blue areas.*

### Notes:
- Carry out “W/B” adjustment as follows.
  1. Adjust the white balance of the bright sections using the “W/B High R”, “W/B High G” and “W/B High B” settings.
  2. Adjust the white balance of the dark sections using the “W/B Low R”, “W/B Low G” and “W/B Low B” settings.
  3. Repeat steps 1 and 2 to adjust.

Steps 1 and 2 affect each other’s settings, so repeat each step in turn to make the adjustment.

- The adjustment values are memorized separately for each input terminal.
- The adjustment range values should be used as an adjustment reference.

---

**Helpful Hint (_normalise)***

On the remote control unit, while the “Advanced settings” menu is displayed, if either the N button is pressed at any time or the ACTION (■) button is pressed during “Normalise”, then all adjustment values are returned to the factory settings.
Sound Adjustment

1. Press to display the Sound menu.

2. Select to adjust each item.

- **Bass**: Adjusts low pitch sounds
- **Mid**: Adjusts normal sounds
- **Treble**: Adjusts high pitch sounds
- **Balance**: Adjusts left and right volumes
- **Surround**: Selects On or Off

### Sound Menu Options

- **Sound Mode**: Normal
- **Bass**: Normal
- **Mid**: Normal
- **Treble**: Normal
- **Balance**: Normal
- **Surround**: Off
- **Audio Out (PIP)**: Main

- **Normal**: Emits the original sound.
- **Dynamic**: Accentuates sharp sound.
- **Clear**: Attenuates human voice.

### Helpful Hint (N / Normalise / Normalisation)

While the “Sound” menu is displayed, if either the N button on the remote control is pressed at any time or the ACTION ( ) button is pressed during “Normalise”, then all adjustment values are returned to the factory settings.

### Mute

Useful when answering the phone or receiving unexpected visitors.

Press to mute the sound. Press again to reactivate sound. Sound is also reactivated when power is turned off or volume level is changed.
Digital Zoom

This displays an enlargement of the designated part of the displayed image.

1 Display the operation guide.

During Digital Zoom, only the following buttons can be operated.

[Remote control]
- SURROUND button
- OFF TIMER button
- VOL button
- MUTE button
- POSITION / ACTION button

[Unit]

During Digital Zoom, only the following buttons can be operated.

[Remote control]
- SURROUND button
- OFF TIMER button
- VOL button
- MUTE button
- POSITION / ACTION button

[Unit]

2 Select the area of the image to be enlarged.

Press on the enlargement location to select.

The cursor will move.

3 Select the magnification required for the enlarged display.

Each time this is pressed, the magnification factor changes.
This is shown in the image being displayed.

4 Return to normal display (quit Digital Zoom).

Press to exit from the Digital Zoom.

Notes:
- When power goes OFF (including “Off Timer” operation), Digital Zoom terminates.
- The Digital Zoom function cannot be selected while in the following operation state:
  “Multi-viewer” (Picture in Picture, Picture out Picture, Picture and Picture) operation. (see page 20)
- While Digital Zoom is in operation, “Adjusting Pos. / Size” cannot be used.
The timer can switch the Plasma Display On or Off.

Before attempting Timer Set, confirm the PRESENT TIME and adjust if necessary. Then set POWER ON Time / POWER OFF Time.

1. Press to display the Setup menu.

2. Press to select Set up TIMER or PRESENT TIME Setup.

Press to display the Set up TIMER screen or PRESENT TIME Setup screen.

PRESENT TIME Setup

(For TH-42PG10M, TH-42PG10A)

Display the PRESENT Time Setup screen.

To setup PRESENT TIME, follow the procedure described below.

1. Press to select PRESENT TIME.

Press to setup PRESENT TIME.

button: Forward

button: Back

Notes:

• Pressing “” or “” button once changes PRESENT TIME 1 minute.

• Pressing “” or “” button continuously changes PRESENT TIME by 15 minutes.

2. Press to select Set.

Press to store PRESENT TIME Setup.

Note:

Set cannot be selected unless PRESENT TIME is set.

3. Press to exit from PRESENT TIME Setup.
PRESENT TIME Setup / Set up TIMER

(For TH-37PR10M, TH-42PR10M, TH-37PR10A, TH-42PR10A)

Display the PRESENT TIME Setup screen.

To setup DAY and PRESENT TIME, follow the procedure described below.

1. Press to select DAY or PRESENT TIME.
   Press to setup DAY or PRESENT TIME.
   • button: Forward
   • button: Back
   Notes:
   • Pressing “<” or “>” button once changes PRESENT TIME 1 minute.
   • Pressing “<” or “>” button continuously changes PRESENT TIME by 15 minutes.

2. Press to select Set.
   Press to store PRESENT TIME Setup.
   Notes:
   • Set cannot be selected unless PRESENT TIME is set.
   • Unless setting the present time other than “99:99”, DAY setting is invalid.

3. Press to exit from PRESENT TIME Setup.

Set up TIMER

1. Press to select POWER ON Time / POWER OFF Time.
   Press to setup POWER ON Time / POWER OFF Time.
   • button: Forward
   • button: Back
   Notes:
   • Pressing “<” or “>” button once changes POWER ON Time / POWER OFF Time 1 minute.
   • Pressing “<” or “>” button continuously changes POWER ON Time / POWER OFF Time by 15 minutes.

2. Press to select POWER ON Function/POWER OFF Function.
   Press to select On.

3. Press twice to exit from Setup.

Note:
Timer function will not work unless “PRESENT TIME” is set.
**Screensaver (For preventing image retention)**

Do not display a still picture, especially in 4:3 mode, for any length of time. If the display must remain on, a Screensaver should be used.

1. Press to display the Setup menu.
2. Press to select Screensaver.
3. Press to display Screensaver screen.

### 3 Reversal / Scroll selection

1. Press to select Function.
2. Press to select the desired function.

- **White bar scroll**: The white bar will scroll from left to right.
- **Image Reversal**: Negative image will be displayed on the screen.

### 4 Mode selection

1. Press to select Mode.
2. Press to select each mode items.

- **Off**: Operates when Periodic Time and Operating Time are setup and those times arrive.
- **Interval**: Operates when Start Time and Finish Time are setup and those times arrive.
- **Time Designation**: Operates when Start is selected and the ACTION (▲) button is pressed.

### 5 Start setting

1. When the Mode is set to On, press to select Start.
2. Press to start Screensaver. The menu screen will disappear and the Screensaver will be activated. To stop the Screensaver under On, press the R button.

---

**Setup**

<table>
<thead>
<tr>
<th>Multi Display Setup</th>
<th>Set up Timer</th>
<th>Present Time Setup</th>
</tr>
</thead>
</table>

**Screensaver**

<table>
<thead>
<tr>
<th>PRESENT TIME 99:99</th>
</tr>
</thead>
<tbody>
<tr>
<td>Function</td>
</tr>
<tr>
<td>Mode</td>
</tr>
<tr>
<td>Start Time</td>
</tr>
<tr>
<td>Finish Time</td>
</tr>
<tr>
<td>Side panel</td>
</tr>
<tr>
<td>Wobbling</td>
</tr>
<tr>
<td>Peak limit</td>
</tr>
</tbody>
</table>

**Start**

<table>
<thead>
<tr>
<th>PRESENT TIME 99:99</th>
</tr>
</thead>
<tbody>
<tr>
<td>Function</td>
</tr>
<tr>
<td>Mode</td>
</tr>
<tr>
<td>Start Time</td>
</tr>
<tr>
<td>Finish Time</td>
</tr>
<tr>
<td>Side panel</td>
</tr>
<tr>
<td>Wobbling</td>
</tr>
<tr>
<td>Peak limit</td>
</tr>
</tbody>
</table>
Setup of Screensaver Time

After selecting Time Designation or Interval, the relevant Time Setup will become available for selection and the Operating Time may be set. (Time cannot be set when “Mode” is “On” or “Off”.)

Notes:
- Pressing “◄” or “►” button once changes the Time 1 minute. [However, switching occurs every 15 minutes when Periodic Time is selected.]
- Pressing “◄” or “►” button continuously changes the Time by 15 minutes.

Note: Timer function will not work unless “PRESENT TIME” is set.

Reduces screen image retention

These functions prevent the occurrence of an “image retention” on the display when turned ON.

Wobbling: Automatically shifts the display image (therefore unnoticeable to the eye) to prevent image retention of sharper contour of image.
- On1: Shifts the image every 30 seconds.
- On2: Shifts the image at a dot level pitch depending on screen-detection.

Peak limit: Suppresses image contrast (peak brightness).

Note: When a still picture is viewed for an extended time, the screen may become slightly darker. (see page 46)
**Screensaver (For preventing image retention)**

## Side Panel Adjustment

Do not display a picture in 4:3 mode for an extended period, as this can cause an image retention to remain on the side panels either side of the display field. To reduce the risk of such an image retention, illuminate the side panels.

This function may be applicable to the non-picture area.

Display the Screensaver screen.
(Refer to the previous page, operation guide steps 1 and 2)

### 1

Press to select Side panel.

Press to select Off, Low, Mid, High.

⇒ Off ↔ Low ↔ Mid ↔ High

### 2

Press to exit from Screensaver.

**Notes:**
- To reduce the occurrence of image retention, set the Side panel to High.
- The side panels may flash (alternate black / white) depending on the picture being shown on the screen. Using Cinema mode will reduce such flashing.
Reduces power consumption

- **Power save:** When this function is turned On, luminous level of the Plasma Display is suppressed, so power consumption is reduced.
- **Standby save:** When this function is turned On, power consumption of the microcomputer is reduced during power supply standby (see page 12, 14-15), so standby power of the set is reduced.
- **Power management:** The unit power supply is turned On or Off depending on whether or not there is a signal during PC input mode.
  - This function is enabled when it is turned On. (Only during input from PC (Mini D-sub) terminal)
  - Equipment power supply is turned Off when there is no signal.
  - When this is set to On, the power supply of the unit goes Off 10 minutes after the input signals stop.
  - This function is effective for input signals except input from PC (Mini D-sub) terminal.

1. **Press to select** “Power save” “Standby save” “Power management” “Auto power off”.

2. **Press to select “On” or “Off”**.

3. **Press to exit from Setup**.

**Note:**
- “Power management” and “Auto power off” are effective during normal viewing (one picture screen) only.

### Customizing the Input labels

This function can change the label of the Input signal to be displayed.
Select the input signal which you would like to change its label before customizing the Input labels. (see page 13, 14)

- **Press to select Input label.**
- **Press to change the Input label.**

**Note:**
- While selecting an Input signal through Optional Terminal Board connected to Slot1, Slot2 and Slot3, the Input label will depend on each Optional Terminal Board.

Input labels for Slot1, Slot2, Slot3 and Mini D-sub:
- [Slot1 Input] INPUT1 / VIDEO1 / COMPONENT1 / RGB1 / DIGITAL1 / PC1 / DV1 / CATV1 / VCR1 / STB1
- [PC (Mini D-sub) input] PC / COMPONENT / RGB / DVD / STB

When BNC Dual Video Terminal Board (TY-FB9BD) is used, an “A” or “B” is added at the end of each input label, depending on the input selected (see below).

<table>
<thead>
<tr>
<th>Addition sign</th>
<th>“A”</th>
<th>“B”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selected Input</td>
<td>Composite</td>
<td>S VIDEO</td>
</tr>
</tbody>
</table>
Setup for Input Signals

Component / RGB-in select

Select to match the signals from the source connected to the Component / RGB input terminals.
Y, Pr, Pp signals — Component
R, G, B, HD, VD signals — RGB

1  
Press to display the Setup menu.

2  
Press to select the “Component / RGB-in select”.
Press to select the desired input signal.
Component — RGB

3  
Press to exit from adjust mode.

Note:
Selection may not be possible, depending on which optional board is installed.

3D Y/C Filter – For NTSC AV images

Select “Signal” from the “Setup” menu during AV(S Video) input signal. (“Signal [AV]” menu is displayed.)

1  
Press to select the “3D Y/C Filter (NTSC)”
Press to set On / Off.

2  
Press to exit from adjust mode.

Note:
When On, this setting only affects NTSC input signals.
### Colour system / Panasonic Auto

Select Signal from the “Setup” menu during AV(S Video) input signal. (“Signal [AV]” menu is displayed.)

1. Press to select the “Colour system” or “Panasonic Auto”.
2. Press to select each functions.

**If the picture image becomes unstable:**
With the system set on Auto, under conditions of low level or noisy input signals the image may in rare cases become unstable. Should this occur, set the system to match the format of the input signal.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour system</td>
<td>Set the colour system to match the input signal. When selecting “Auto”, the colour system is automatically selected from NTSC/PAL/SECAM, however, M.NTSC signal is not displayed properly depending on the attached terminal board. To display M.NTSC signal, select “M.NTSC” in Colour system.</td>
</tr>
<tr>
<td>Panasonic Auto (4 : 3)</td>
<td>Set to “4 : 3” to view 4:3 images in an unchanged format when Panasonic Auto is selected. If you would like to view 4:3 images in Just format, set to “Just”.</td>
</tr>
</tbody>
</table>

**Note:**
Panasonic Auto does not function when BNC Dual Video Terminal Board (TY-FB9BD) is used.

### Cinema reality / P-NR

**Cinema reality:**
When on, the display attempts to reproduce a more natural interpretation of sources such as movie pictures, which are recorded at 24 frames per second. If the picture is not stable, turn the setting to off.

**Note:**
When On, this setting only affects the following signal input:
- NTSC / PAL signal input during “AV(S Video)” input signal.
- 525i(480i), 625i(575i), 1125(1080) / 60i signal input during “Component” input signal.

**P-NR:**
Automatically reduces unwanted picture noise.

**Note:**
P-NR cannot be adjusted while a PC signal is being applied.

1. Press to select Cinema reality or P-NR. Press to set On / Off.
2. Press to exit from adjust mode.
Sync

Select Signal from the “Setup” menu during RGB input signal.

1  Press to adjust.

2  Press to exit from adjust mode.

Setting RGB sync signal:

Confirm that the input is set to RGB input (this setting is valid only for RGB input signal).

Auto: The H and V sync or synchronized signal are automatically selected. If both input, it is selected the H and V sync.

on G: Uses a synchronized signal on the Video G signal, which is input from the G connector.

VBS: Uses a synchronized signal of Composite Sync input, which is input from the HD connector.

Refresh Rate (for TH-37PR10M, TH-42PR10M, TH-37PR10A, TH-42PR10A)

This function sets the refresh rate of the display.
This menu is displayed when the input signal is 50 Hz system (50i, 50p, 25p, 24p, 24sF) of vertical scan rate.

100 Hz: Reduce screen flicker.
50 Hz: Enhance the resolution of moving images.

Note:
It is recommended to set to 100 Hz normally.

1  Press to select Refresh Rate.

2  Press to exit from adjust mode.

H-Freq. (kHz) / V-Freq. (Hz)

Displays the H (Horizontal) / V (Vertical) frequencies.
This display is valid only for RGB / PC and Digital input signal.
Display range:
Horizontal 15 - 110 kHz
Vertical 48 - 120 Hz
## Options Adjustments

### Options Adjustments (For TH-42PG10M, TH-42PG10A)

1. **Press to display the Setup menu.**
   - **Set-up**

2. **Press to select “OSD Language”**.

3. **Press and hold until the Options menu is displayed.**

4. **Press to select your preferred menu.**

5. **Press to adjust the menu.**

6. **Press to exit from Options menu.**

### Adjustments

<table>
<thead>
<tr>
<th>Item</th>
<th>Effect</th>
<th>Adjustments</th>
</tr>
</thead>
</table>
| **Off-timer function** | Enable Disable | **Enable**: Enables the “Off-timer function”.  
**Disable**: Disables the “Off-timer function”.  
**Note**: When “Disable” is set, the Off-timer is cancelled. |
| **Onscreen display** | On Off | **On**: Displays all the following on screen.  
- Power on display  
- Input signal switch display  
- No signal display  
- Mute and the remaining time of off-timer after was pressed.  
**Off**: Hides all the items above from view. |
| **Initial INPUT** | Off PC INPUT1 INPUT2 INPUT3 | **Off ↔ PC ↔ INPUT1 ↔ INPUT2 ↔ INPUT3**  
Adjusts the input signal when the unit is turned on.  
**Notes**:  
- Only the adjusted signal is displayed. (see page 13).  
- Signal can be displayed when the Terminal board is installed.  
- This menu is available only when “INPUT lock” is “Off”.  
- When a dual input terminal board is attached, A or B is displayed depending on the selected input signal. (Ex. INPUT1A, INPUT1B) |
## Options Adjustments

<table>
<thead>
<tr>
<th>Item</th>
<th>Effect</th>
<th>Adjustments</th>
</tr>
</thead>
</table>
| **Initial VOL level** | ![Off](Off.png) ![On](On.png) | Press [-][+] button to adjust the volume when the unit is turned on.  
- **Off**: Sets normal volume.  
- **On**: Sets your preferred volume.  
**Notes**:  
- When “Maximum VOL level” is “On”, the volume can only be adjusted between 0 and your maximum range.  
- You can hear the changed volume regardless of your volume setting before opening the options menu if you adjust the volume when “Initial VOL level” is “On” and cursor is on the menu. |
| **Maximum VOL level** | ![Off](Off.png) ![On](On.png) | Press [-][+] button to adjust the maximum volume.  
- **Off**: Sets auto maximum volume.  
- **On**: Sets your preferred maximum volume.  
**Notes**:  
- If the “Maximum VOL level” is set lower than the “Initial VOL level”, the “Initial VOL level” automatically becomes the same as the “Maximum VOL level”.  
- The volume display can go up to 63 regardless of the settings.  
- You can hear the changed volume regardless of your volume setting before opening the options menu if you adjust the volume when “Maximum VOL level” is “On” and cursor is on the menu. |
| **INPUT lock** | ![Off](Off.png) ![PC](PC.png) ![INPUT1](INPUT1.png) ![INPUT2](INPUT2.png) ![INPUT3](INPUT3.png) | Locks the input switch operation.  
**Notes**:  
- Only the adjusted signal is displayed (see page 13).  
- Signal can be displayed when the Terminal board is installed.  
- Input switch can be used when this is set to “Off”.  
- In two screen display mode, if anything other than “Off” is set, the value will be fixed as the value input in the single screen display mode.  
- When a dual input terminal board is attached, A or B is displayed depending on the selected input signal. (Ex. INPUT1A, INPUT1B) |
| **Studio W/B** | ![Off](Off.png) ![On](On.png) | Nullify all the settings adjusted.  
- **Off**: Sets the colour temperature for TV studio.  
- **On**: Sets the colour temperature for TV studio.  
**Note**: Valid only when the low is set as colour temperature on screen adjustment. |
| **Advanced PIP** | ![Off](Off.png) ![On](On.png) | Sets normal two screen display mode (see page 20).  
- **Off**: Sets Advanced PIP mode (see page 21).  
**Notes**:  
- When “INPUT lock” is “On”, you cannot use all the two screen display functions.  
- ![K](K.png) buttons are unavailable during Advanced PIP mode operation. |
| **Display size** | ![Off](Off.png) ![On](On.png) | Adjusts the image display size on screen.  
- **Off**: Sets the normal image display size on screen.  
- **On**: Sets the image display size approximately 95% of the normal image display.  
**Notes**:  
- This setting is valid only when the input signals are as follows; 525i, 525p, 625i, 625p, 750/60p, 750/50p, 1125/60i, 1125/50i, 1125/24sF, 1125/25p, 1125/24p, 1125/30p, 1250/50i (Component Video, RGB, DVI, SDI, HDMI)  
- This setting is invalid when two screen display, digital zoom or Multi screen is selected.  
- When Display size is set to “On”, Pos./Size adjustment cannot be used.  
- Refer to each board’s operating instruction for DVI, SDI, HDMI’s corresponding signals. |
Options Adjustments

### Options

<table>
<thead>
<tr>
<th>Item</th>
<th>Effect</th>
<th>Adjustments</th>
</tr>
</thead>
</table>
| Button lock           |        | **Off** ↔ MENU&ENTER ↔ **On**  
Off: All the buttons at the bottom of the main unit can be used.  
MENU&ENTER:  
  Locks [ ] and [ ] buttons on bottom face of main unit.  
On: Locks all the button on bottom face of main unit. |
| Remocon User level    |        | **Off** ↔ User1 ↔ User2 ↔ User3  
Off: You can use all of the buttons on the remote control.  
User1: You can only use [ ], [ ], [ ], [ ] buttons on the remote control.  
User2: You can only use [ ] button on the remote control.  
User3: Locks all the buttons on remote control. |
| ID select             |        | Sets panel ID number when panel is used in “Remote ID” or “Serial ID”.  
Set value range: 0 - 100  
(Standard value: 0) |
| Remote ID             |        | **Off**  
Disables ID remote control functions. You can use normal remote control operations.  
On: Enable ID remote control functions. |
| Serial ID             |        | **Off**  
Disables external control by the ID.  
On: Enables the external control by the ID. |
| Slot Power            |        | **Off** ↔ **Auto** ↔ **On**  
Off: Power is not transmitted to the slot power.  
Auto: Power is transmitted to the slot power only when main power is on.  
On: Power is transmitted to the slot power when main power is on or in the standby state.  
*Note*: In some cases, power is transmitted to the slot power when main power is on or in the standby state regardless of the slot power setting. |
| V.Installation        |        | **Off**  
*Note*: This mode is unavailable. |
| Rotate                |        | **Off**  
Does not rotate the image.  
On: Rotates the image 180 degrees. |
| Serial Slot Select    |        | **Slot1** ↔ **Slot2** ↔ **Slot3**  
Selects the slot which communicates serial.  
*Note*: The setting of an external command can be set only from the fixed serial terminal (see page 10). |

### Normalization

When both main unit buttons and remote control are disabled due to the “Button lock”, “Remocon User level” or “Remote ID” adjustments, set all the values “Off” so that all the buttons are enabled again.

Press the [ ] button on main unit together with [ ] button on the remote control and hold for more than 5 seconds. The “SHIPPING” menu is displayed and the lock is released when it disappears.
Options Adjustments

(For TH-37PR10M, TH-42PR10M, TH-37PR10A, TH-42PR10A)

1. Press to display the Setup menu.
2. Press to select “OSD Language”.
3. Press and hold until the Options menu is displayed.
4. Press to select your preferred menu.
5. Press to adjust the menu.
6. Press to exit from Options menu.

<table>
<thead>
<tr>
<th>Item</th>
<th>Effect</th>
<th>Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weekly Command Timer</td>
<td></td>
<td>Sets Weekly Command Timer. (see page 43)</td>
</tr>
<tr>
<td>Onscreen display</td>
<td>On: Displays all the following on screen.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Power on display</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Input signal switch display</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• No signal display</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Mute and the remaining time of off-timer after [[ was pressed.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Off: Hides all the items above from view.</td>
<td></td>
</tr>
<tr>
<td>Initial INPUT</td>
<td>Off ↔ PC ↔ INPUT1 ↔ INPUT2 ↔ INPUT3</td>
<td>Adjusts the input signal when the unit is turned on.</td>
</tr>
<tr>
<td></td>
<td>Notes: Only the adjusted signal is displayed. (see page 13).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Signal can be displayed when the Terminal board is installed.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• This menu is available only when “INPUT lock” is “Off”.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• When a dual input terminal board is attached, A or B is displayed depending on the selected input signal. (Ex. INPUT1A, INPUT1B)</td>
<td></td>
</tr>
</tbody>
</table>
### Options Adjustments

<table>
<thead>
<tr>
<th>Item</th>
<th>Effect</th>
<th>Adjustments</th>
</tr>
</thead>
</table>
| **Initial VOL level** |        | Press button to adjust the volume when the unit is turned on.  
Off ↔ On  
Off: Sets normal volume.  
On: Sets your preferred volume.  
**Notes:**  
• When “Maximum VOL level” is “On”, the volume can only be adjusted between 0 and your maximum range.  
• You can hear the changed volume regardless of your volume setting before opening the options menu if you adjust the volume when “Initial VOL level” is “On” and cursor is on the menu. |
| **Maximum VOL level** |        | Press button to adjust the maximum volume.  
Off ↔ On  
Off: Sets auto maximum volume.  
On: Sets your preferred maximum volume.  
**Notes:**  
• If the “Maximum VOL level” is set lower than the “Initial VOL level”, the “Initial VOL level” automatically becomes the same as the “Maximum VOL level”.  
• The volume display can go up to 63 regardless of the settings.  
• You can hear the changed volume regardless of your volume setting before opening the options menu if you adjust the volume when “Maximum VOL level” is “On” and cursor is on the menu. |
| **INPUT lock**        |        | Off ↔ PC ↔ INPUT1 ↔ INPUT2 ↔ INPUT3  
Locks the input switch operation.  
**Notes:**  
• Only the adjusted signal is displayed (see page 13).  
• Signal can be displayed when the Terminal board is installed.  
• Input switch can be used when this is set to “Off”.  
• In two screen display mode, if anything other than “Off” is set, the value will be fixed as the value input in the single screen display mode.  
• When a dual input terminal board is attached, A or B is displayed depending on the selected input signal. (Ex. INPUT1A, INPUT1B) |
| **Button lock**       |        | Off ↔ MENU&ENTER ↔ On  
Off: All the buttons at the bottom of the main unit can be used.  
**MENU&ENTER:** Locks and buttons on bottom face of main unit.  
On: Locks all the button on bottom face of main unit.  
Sets Button lock with the unit buttons in the following procedure.  
Off: Press four times → Press four times → Press four times → Press → Press  
**MENU&ENTER:** Press four times → Press four times → Press four times → Press → Press  
| **Remocon User level**|        | Off ↔ User1 ↔ User2 ↔ User3  
Off: You can use all of the buttons on the remote control.  
User1: You can only use buttons on the remote control.  
User2: You can only use button on the remote control.  
User3: Locks all the buttons on remote control. |
| **Advanced PIP**      |        | Off: Sets normal two screen display mode (see page 20).  
On: Sets Advanced PIP mode (see page 21).  
**Notes:**  
• When “INPUT lock” is “On”, you cannot use all the two screen display functions.  
• buttons are unavailable during Advanced PIP mode operation. |
## Options Adjustments

<table>
<thead>
<tr>
<th>Item</th>
<th>Effect</th>
<th>Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off-timer function</td>
<td>⬧ ⬧</td>
<td><strong>Enable</strong>: Enables the “Off-timer function”. <strong>Disable</strong>: Disables the “Off-timer function”. <strong>Note</strong>: When “Disable” is set, the Off-timer is cancelled.</td>
</tr>
</tbody>
</table>
| Initial Power Mode | ⬧ ⬧ | Normal ↔ Standby ↔ On  
Sets the power mode of the unit for when the power recovers from failure or after plugging off and on again.  
Normal: Power returns in as the same state as before the power interruption.  
Standby: Power returns in standby mode. (Power Indicator: red/orange)  
On: Power returns in power On. (Power Indicator: green)  
**Note**: When using multiple displays, “Standby” is preferred to be set in order to reduce a power load. |
| ID select     | ⬧ ⬧   | Sets panel ID number when panel is used in “Remote ID” or “Serial ID”.  
Set value range: 0 - 100  
(Standard value: 0) |
| Remote ID     | Off   | Off: Disables ID remote control functions. You can use normal remote control operations.  
On: Enable ID remote control functions. |
| Serial ID     | Off   | Off: Disables external control by the ID.  
On: Enables the external control by the ID. |
| Display size  | Off   | Adjusts the image display size on screen.  
Off: Sets the normal image display size on screen.  
On: Sets the image display size approximately 95% of the normal image display.  
**Notes**:  
• This setting is valid only when the input signals are as follows: NTSC, PAL, SECAM, M.NTSC, PAL60, PAL-M, PAL-N (BNC Dual Video Terminal Board (TY-FB9BD)), 525i, 525p, 625i, 625p, 750/60p, 750/50p, 1125/60i, 1125/50i, 1125/24sf, 1125/25p, 1125/24p, 1125/30p, 1250/50i (Component Video, RGB, DVI, SDI, HDMI)  
• This setting is invalid when two screen display, digital zoom or Multi screen is selected.  
• When Display size is set to “On”, Pos./Size adjustment cannot be used.  
• Refer to each board’s operating instruction for DVI, SDI, HDMI’s corresponding signals. |
| Studio W/B    | Off   | Off: Nullify all the settings adjusted.  
On: Sets the colour temperature for TV studio.  
**Note**: Valid only when the low is set as colour temperature on screen adjustment. |
| Studio Gain   | Off   | Sharpens the contrast for a better view when a part of the image is too light to see.  
Off: Disables “Studio Gain”.  
On: Enables “Studio Gain”.  
**Note**: This setting is valid only when the input signals are as follows: Component Video, RGB (analog), SDI, HDMI |
### Options Adjustments

<table>
<thead>
<tr>
<th>Item</th>
<th>Effect</th>
<th>Adjustments</th>
</tr>
</thead>
</table>
| Slot Power         | Off ↔ Auto ↔ On | Off: Power is not transmitted to the slot power.  
                        Auto: Power is transmitted to the slot power only when main power is on.  
                        On: Power is transmitted to the slot power when main power is on or in the standby state.  
                        Note: In some cases, power is transmitted to the slot power when main power is on or in the standby state regardless of the slot power setting. |
| V.Installation     | Off ↔ On     | Note: This mode is unavailable.                                                                                                           |
| Rotate             | Off ↔ On     | Off: Does not rotate the image.  
                        On: Rotates the image 180 degrees.                                                                                                    |
| Serial Slot Select | Slot1 ↔ Slot2 ↔ Slot3 | Selects the slot which communicates serial.  
                        Note: The setting of an external command can be set only from the fixed serial terminal (see page 10). |

### Normalization

When both main unit buttons and remote control are disabled due to the “Button lock”, “Remocon User level” or “Remote ID” adjustments, set all the values “Off” so that all the buttons are enabled again.

Press the VOL button on main unit together with button on the remote control and hold for more than 5 seconds. The “SHIPPING” menu is displayed and the lock is released when it disappears.
# Weekly Command Timer

(For TH-37PR10M, TH-42PR10M, TH-37PR10A, TH-42PR10A)

You can set 7-day timer programming by setting time and command.

**Note:**
Before setting Weekly Command Timer, set PRESENT TIME Setup. (see page 27)

1. **Press to select Function.**
   **Press to select “On”**.
   **Note:**
   - When Function is set to On, Set up TIMER (see page 28) is unavailable and Interval / Time Designation in Mode of Screensaver (see page 29) cannot be selected.

2. **Press to select a day.**
   **Press to select a program number.**
   **Note:**
   - You can set the program from 1 to 7.
   --- indicates unset.

3. **Press to select Program Edit.**
   **Press to show the Program Edit screen.**

4. **Press to select Program.**
   **Press to change the program numbers (1-7).**

---

**Options Adjustments**

### Weekly Command Timer

<table>
<thead>
<tr>
<th><strong>Function</strong></th>
<th><strong>Monday</strong></th>
<th><strong>Tuesday</strong></th>
<th><strong>Wednesday</strong></th>
<th><strong>Thursday</strong></th>
<th><strong>Friday</strong></th>
<th><strong>Saturday</strong></th>
<th><strong>Sunday</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>On</td>
<td>Program1</td>
<td>Program3</td>
<td>---</td>
<td>Program3</td>
<td>---</td>
<td>Program6</td>
<td>Program4</td>
</tr>
</tbody>
</table>

---

**Program Edit screen**

<table>
<thead>
<tr>
<th><strong>Program</strong></th>
<th><strong>Time</strong></th>
<th><strong>Command</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>8:00</td>
<td>PON</td>
</tr>
<tr>
<td>02</td>
<td>10:30</td>
<td>IMS:SL1</td>
</tr>
<tr>
<td>03</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>04</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>05</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>06</td>
<td>12:00</td>
<td>DAM:ZOOM</td>
</tr>
<tr>
<td>07</td>
<td>9:12</td>
<td>AVL:10</td>
</tr>
<tr>
<td>08</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>
Weekly Command Timer

Press to select a command number.
Press to show the previous / next command pages (1-8) of the selected program.
Press to show the command setting screen.

Command (--- indicates unset)
Set time of timer (---:--- indicates unset)

Command numbers

Press to select Command No.
Press to select a command number.

Press to select Time / Command.
Press to set each item.
Time: Set the time to execute a command program.
Pressing "<" or ">", button once changes "Time" 1 minute.
Pressing "<" or ">", button continuously changes "Time" by 15 minutes.
Command: Select a command to execute at the set time. This unit has 64 commands to set. (see page 48)

Notes:
• Command is performed in order of execution time, regardless of the command number.
• If a command execution time overlaps with that of other commands, these commands are performed in number order.
• Pressing , Time becomes --:-- and Command becomes ---.

Note:
• Press , to return to the previous screen.
Shipping condition

This function allows you to reset the unit to the factory setting.

1. Press to display the Setup menu.

2. Press to select “OSD Language”.

3. Press and hold till the SHIPPING menu is displayed.

4. Press to select “YES”.

ียน to confirm.

[from the unit]

1. Press the MENU button till the Setup menu is displayed.

2. Press the Volume Up“+” or Down“−” button to select “OSD Language”.

3. Press and hold the ENTER button till the SHIPPING menu is displayed.

4. Press the Volume Up“+” or Down“−” button to select “YES”.

5. Press the ENTER button and wait for 10 sec.

Note:
Press the R button to return to Setup menu when SHIPPING menu is displayed.
Troubleshooting

Before you call for service, determine the symptoms and make a few simple checks as shown below.

<table>
<thead>
<tr>
<th>Symptoms</th>
<th>Checks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Picture</strong></td>
<td><strong>Sound</strong></td>
</tr>
<tr>
<td>Interference</td>
<td>Noisy Sound</td>
</tr>
<tr>
<td>Normal Picture</td>
<td>No Sound</td>
</tr>
<tr>
<td>No Picture</td>
<td>Normal Sound</td>
</tr>
<tr>
<td>No Colour</td>
<td>Normal Sound</td>
</tr>
</tbody>
</table>

**Plasma Display panel**

<table>
<thead>
<tr>
<th>Symptoms</th>
<th>Checks</th>
</tr>
</thead>
<tbody>
<tr>
<td>The screen darkens slightly when bright pictures with minimal movements are shown.</td>
<td>The screen will darken slightly when photos, still images of a computer or other pictures with minimal movements are shown for an extended period. This is done to reduce image retention on the screen and the shortening of the screen’s service life. It is normal and not indicative of malfunctioning.</td>
</tr>
<tr>
<td>It takes a while for the picture to appear.</td>
<td>The unit digitally processes the various signals in order to reproduce esthetically pleasing images. As such, it sometimes takes a few moments for the picture to appear when the power has been turned on; when the input has been switched or when the images for the main picture and sub picture on the two screens are swapped.</td>
</tr>
<tr>
<td>The edges of the images flicker.</td>
<td>Due to the characteristics of the system used to drive the panel, the edges may appear to flicker in the fast-moving parts of the images: This is normal and not indicative of malfunctioning.</td>
</tr>
<tr>
<td>The brightness on both sides of images in the 4:3 mode changes.</td>
<td>When viewing the side panels at the &quot;High&quot; or &quot;Mid&quot; setting, the brightness on both sides may change depending on the kind of program shown: This is normal and not indicative of malfunctioning.</td>
</tr>
<tr>
<td>Some parts of the screen do not light up.</td>
<td>The plasma display panel is manufactured using an extremely high level of precision technology, however, sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a malfunction.</td>
</tr>
<tr>
<td><strong>Example</strong></td>
<td><strong>Image retention appears</strong></td>
</tr>
</tbody>
</table>

Note: The permanent image retention on the Plasma Display resulting from fixed image use is not an operating defect and as such is not covered by the Warranty. This product is not designed to display fixed images for extended periods of time.
### PC input signals

#### Applicable input signals for Component / Mini D-sub 15P (Component) / RGB / Mini D-sub 15P (RGB) (* Mark)

<table>
<thead>
<tr>
<th>Signal name</th>
<th>Horizontal frequency (kHz)</th>
<th>Vertical frequency (Hz)</th>
<th>Dot clock frequency (MHz)</th>
<th>Component/Mini D-sub 15P (Component)</th>
<th>RGB/Mini D-sub 15P (RGB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>525 (480) / 60i</td>
<td>15.73</td>
<td>59.94</td>
<td>13.5</td>
<td>*</td>
</tr>
<tr>
<td>2</td>
<td>525 (480) / 60p</td>
<td>31.47</td>
<td>59.94</td>
<td>27.0</td>
<td>*</td>
</tr>
<tr>
<td>3</td>
<td>625 (575) / 50i</td>
<td>15.63</td>
<td>50.00</td>
<td>13.5</td>
<td>*</td>
</tr>
<tr>
<td>4</td>
<td>625 (575) / 50p</td>
<td>31.25</td>
<td>50.00</td>
<td>27.0</td>
<td>*</td>
</tr>
<tr>
<td>5</td>
<td>750 (720) / 60p</td>
<td>45.00</td>
<td>60.00</td>
<td>74.25</td>
<td>*</td>
</tr>
<tr>
<td>6</td>
<td>750 (720) / 50p</td>
<td>37.50</td>
<td>50.00</td>
<td>74.25</td>
<td>*</td>
</tr>
<tr>
<td>7</td>
<td>1,125 (1,080) / 60i</td>
<td>33.75</td>
<td>60.00</td>
<td>74.25</td>
<td>*</td>
</tr>
<tr>
<td>8</td>
<td>1,125 (1,080) / 50i</td>
<td>28.13</td>
<td>50.00</td>
<td>74.25</td>
<td>*</td>
</tr>
<tr>
<td>9</td>
<td>1,125 (1,080) / 24sF</td>
<td>27.00</td>
<td>47.92</td>
<td>74.25</td>
<td>*</td>
</tr>
<tr>
<td>10</td>
<td>1,125 (1,080) / 30p</td>
<td>33.75</td>
<td>30.00</td>
<td>74.25</td>
<td>*</td>
</tr>
<tr>
<td>11</td>
<td>1,125 (1,080) / 25p</td>
<td>28.13</td>
<td>25.00</td>
<td>74.25</td>
<td>*</td>
</tr>
<tr>
<td>12</td>
<td>1,125 (1,080) / 24p</td>
<td>27.00</td>
<td>24.00</td>
<td>74.25</td>
<td>*</td>
</tr>
<tr>
<td>13</td>
<td>1,250 (1,080) / 50i</td>
<td>31.25</td>
<td>50.00</td>
<td>74.25</td>
<td>*</td>
</tr>
<tr>
<td>14</td>
<td>640 × 400 @70 Hz</td>
<td>31.46</td>
<td>70.07</td>
<td>25.17</td>
<td>*</td>
</tr>
<tr>
<td>15</td>
<td>640 × 480 @60 Hz</td>
<td>31.47</td>
<td>59.94</td>
<td>25.18</td>
<td>* *2</td>
</tr>
<tr>
<td>16</td>
<td>640 × 480 @72 Hz</td>
<td>37.86</td>
<td>72.81</td>
<td>31.5</td>
<td>*</td>
</tr>
<tr>
<td>17</td>
<td>640 × 480 @75 Hz</td>
<td>37.50</td>
<td>75.00</td>
<td>31.5</td>
<td>*</td>
</tr>
<tr>
<td>18</td>
<td>640 × 480 @85 Hz</td>
<td>43.27</td>
<td>85.01</td>
<td>36.0</td>
<td>*</td>
</tr>
<tr>
<td>19</td>
<td>852 × 480 @60 Hz</td>
<td>31.47</td>
<td>59.94</td>
<td>33.54</td>
<td>* *2</td>
</tr>
<tr>
<td>20</td>
<td>800 × 600 @56 Hz</td>
<td>35.16</td>
<td>56.25</td>
<td>36.0</td>
<td>*</td>
</tr>
<tr>
<td>21</td>
<td>800 × 600 @60 Hz</td>
<td>37.88</td>
<td>60.32</td>
<td>40.0</td>
<td>*</td>
</tr>
<tr>
<td>22</td>
<td>800 × 600 @72 Hz</td>
<td>48.08</td>
<td>72.19</td>
<td>50.0</td>
<td>*</td>
</tr>
<tr>
<td>23</td>
<td>800 × 600 @75 Hz</td>
<td>46.88</td>
<td>75.00</td>
<td>49.5</td>
<td>*</td>
</tr>
<tr>
<td>24</td>
<td>800 × 600 @85 Hz</td>
<td>53.67</td>
<td>85.06</td>
<td>56.25</td>
<td>*</td>
</tr>
<tr>
<td>25</td>
<td>1,024 × 768 @60 Hz</td>
<td>48.36</td>
<td>60.00</td>
<td>65.0</td>
<td>*</td>
</tr>
<tr>
<td>26</td>
<td>1,024 × 768 @70 Hz</td>
<td>56.48</td>
<td>70.07</td>
<td>75.0</td>
<td>*</td>
</tr>
<tr>
<td>27</td>
<td>1,024 × 768 @75 Hz</td>
<td>60.02</td>
<td>75.03</td>
<td>78.75</td>
<td>*</td>
</tr>
<tr>
<td>28</td>
<td>1,024 × 768 @85 Hz</td>
<td>68.68</td>
<td>85.00</td>
<td>94.5</td>
<td>*</td>
</tr>
<tr>
<td>29</td>
<td>1,152 × 864 @75 Hz</td>
<td>67.50</td>
<td>75.00</td>
<td>108.0</td>
<td>*</td>
</tr>
<tr>
<td>30</td>
<td>1,280 × 960 @60 Hz</td>
<td>60.00</td>
<td>60.00</td>
<td>108.0</td>
<td>*</td>
</tr>
<tr>
<td>31</td>
<td>1,280 × 960 @85 Hz</td>
<td>85.94</td>
<td>85.00</td>
<td>148.5</td>
<td>*</td>
</tr>
<tr>
<td>32</td>
<td>1,280 × 1,024 @60 Hz</td>
<td>63.98</td>
<td>60.02</td>
<td>108.0</td>
<td>*</td>
</tr>
<tr>
<td>33</td>
<td>1,280 × 1,024 @75 Hz</td>
<td>79.98</td>
<td>75.03</td>
<td>135.0</td>
<td>*</td>
</tr>
<tr>
<td>34</td>
<td>1,280 × 1,024 @85 Hz</td>
<td>91.15</td>
<td>85.02</td>
<td>157.5</td>
<td>*</td>
</tr>
<tr>
<td>35</td>
<td>1,600 × 1,200 @60 Hz</td>
<td>75.00</td>
<td>60.00</td>
<td>162.0</td>
<td>*</td>
</tr>
<tr>
<td>36</td>
<td>1,600 × 1,200 @65 Hz</td>
<td>81.25</td>
<td>65.00</td>
<td>175.5</td>
<td>*</td>
</tr>
<tr>
<td>37</td>
<td>1,066 × 600 @60 Hz</td>
<td>37.64</td>
<td>59.94</td>
<td>53.0</td>
<td>*</td>
</tr>
<tr>
<td>38</td>
<td>1,366 × 768 @60 Hz</td>
<td>48.36</td>
<td>60.00</td>
<td>86.71</td>
<td>*</td>
</tr>
<tr>
<td>39</td>
<td>Macintosh13” (640 × 480)</td>
<td>35.00</td>
<td>66.67</td>
<td>30.24</td>
<td>*</td>
</tr>
<tr>
<td>40</td>
<td>Macintosh16” (832 × 624)</td>
<td>49.72</td>
<td>74.54</td>
<td>57.28</td>
<td>*</td>
</tr>
<tr>
<td>41</td>
<td>Macintosh21” (1,152 × 870)</td>
<td>68.68</td>
<td>75.06</td>
<td>100.0</td>
<td>*</td>
</tr>
</tbody>
</table>

*1: When selected the RGB format and 525p signal input to the Mini D-sub 15P terminal, it is recognized as VGA 60 Hz signal.

*2: When inputted VGA 60 Hz format signal from the other than Mini D-sub 15P terminal, it is recognized as 525p signal.

**Note:** Signals without above specification may not be displayed properly.
### Command list of Weekly Command Timer

<table>
<thead>
<tr>
<th>No.</th>
<th>Command</th>
<th>Control details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AAC:MENCLR</td>
<td>Audio Menu (Clear)</td>
</tr>
<tr>
<td>2</td>
<td>AAC:MENDYN</td>
<td>Audio Menu (Dynamic)</td>
</tr>
<tr>
<td>3</td>
<td>AAC:MENSTD</td>
<td>Audio Menu (Standard)</td>
</tr>
<tr>
<td>4</td>
<td>AAC:SURMON</td>
<td>Surround (ON)</td>
</tr>
<tr>
<td>5</td>
<td>AAC:SUROFF</td>
<td>Surround (OFF)</td>
</tr>
<tr>
<td>6</td>
<td>AMT:0</td>
<td>Audio Mute (OFF)</td>
</tr>
<tr>
<td>7</td>
<td>AMT:1</td>
<td>Audio Mute (ON)</td>
</tr>
<tr>
<td>8</td>
<td>ASO:M</td>
<td>Audio out when PIP mode (Main Picture)</td>
</tr>
<tr>
<td>9</td>
<td>ASO:S</td>
<td>Audio out when PIP mode (Sub Picture)</td>
</tr>
<tr>
<td>10</td>
<td>AVL:00</td>
<td>Audio Volume (00)</td>
</tr>
<tr>
<td>11</td>
<td>AVL:10</td>
<td>Audio Volume (10)</td>
</tr>
<tr>
<td>12</td>
<td>AVL:20</td>
<td>Audio Volume (20)</td>
</tr>
<tr>
<td>13</td>
<td>AVL:30</td>
<td>Audio Volume (30)</td>
</tr>
<tr>
<td>14</td>
<td>AVL:40</td>
<td>Audio Volume (40)</td>
</tr>
<tr>
<td>15</td>
<td>AVL:50</td>
<td>Audio Volume (50)</td>
</tr>
<tr>
<td>16</td>
<td>AVL:60</td>
<td>Audio Volume (60)</td>
</tr>
<tr>
<td>17</td>
<td>DAM:FULL</td>
<td>Aspect (16:9)</td>
</tr>
<tr>
<td>18</td>
<td>DAM:JUST</td>
<td>Aspect (Just)</td>
</tr>
<tr>
<td>19</td>
<td>DAM:NORM</td>
<td>Aspect (4:3)</td>
</tr>
<tr>
<td>20</td>
<td>DAM:SELF</td>
<td>Aspect (Panasonic Auto)</td>
</tr>
<tr>
<td>21</td>
<td>DAM:ZOOM</td>
<td>Aspect (Zoom)</td>
</tr>
<tr>
<td>22</td>
<td>DWA:OFF</td>
<td>Advanced PIP mode (OFF)</td>
</tr>
<tr>
<td>23</td>
<td>DWA:OVL1</td>
<td>Advanced PIP mode (1) (see page 21)</td>
</tr>
<tr>
<td>24</td>
<td>DWA:OVL2</td>
<td>Advanced PIP mode (2) (see page 21)</td>
</tr>
<tr>
<td>25</td>
<td>DWA:OVL3</td>
<td>Advanced PIP mode (3) (see page 21)</td>
</tr>
<tr>
<td>26</td>
<td>DWA:OVL4</td>
<td>Advanced PIP mode (4) (see page 21)</td>
</tr>
<tr>
<td>27</td>
<td>DWA:OVL5</td>
<td>Advanced PIP mode (5) (see page 21)</td>
</tr>
<tr>
<td>28</td>
<td>DWA:OVL6</td>
<td>Advanced PIP mode (6) (see page 21)</td>
</tr>
<tr>
<td>29</td>
<td>DWA:OVLOF</td>
<td>Advanced PIP mode (OFF) (normal two screen display mode)</td>
</tr>
<tr>
<td>30</td>
<td>DWA:OVLO</td>
<td>Advanced PIP mode (ON)</td>
</tr>
<tr>
<td>31</td>
<td>DWA:PIN0</td>
<td>The location of the sub picture (lower right)</td>
</tr>
<tr>
<td>32</td>
<td>DWA:PIN1</td>
<td>The location of the sub picture (lower left)</td>
</tr>
<tr>
<td>33</td>
<td>DWA:PIN2</td>
<td>The location of the sub picture (upper left)</td>
</tr>
<tr>
<td>34</td>
<td>DWA:PIN3</td>
<td>The location of the sub picture (upper right)</td>
</tr>
<tr>
<td>35</td>
<td>DWA:PPI</td>
<td>Dual Picture mode (Picture in Picture)</td>
</tr>
<tr>
<td>36</td>
<td>DWA:POP</td>
<td>Dual Picture mode (Picture out Picture)</td>
</tr>
<tr>
<td>37</td>
<td>DWA:SWP</td>
<td>Swap main picture and sub picture when PIP mode</td>
</tr>
<tr>
<td>38</td>
<td>DWA:TWN</td>
<td>Dual Picture mode (Picture and Picture)</td>
</tr>
<tr>
<td>39</td>
<td>IMS:PC1</td>
<td>Input select (PC1) (Main Picture when PIP mode)</td>
</tr>
<tr>
<td>40</td>
<td>IMS:SL1</td>
<td>Input select (SLOT1) (Main Picture when PIP mode)</td>
</tr>
<tr>
<td>41</td>
<td>IMS:SL1A</td>
<td>Input select (SLOT1A) (Main Picture when PIP mode)</td>
</tr>
<tr>
<td>42</td>
<td>IMS:SL1B</td>
<td>Input select (SLOT1B) (Main Picture when PIP mode)</td>
</tr>
<tr>
<td>43</td>
<td>IMS:SL2</td>
<td>Input select (SLOT2) (Main Picture when PIP mode)</td>
</tr>
<tr>
<td>44</td>
<td>IMS:SL2A</td>
<td>Input select (SLOT2A) (Main Picture when PIP mode)</td>
</tr>
<tr>
<td>45</td>
<td>IMS:SL2B</td>
<td>Input select (SLOT2B) (Main Picture when PIP mode)</td>
</tr>
<tr>
<td>46</td>
<td>IMS:SL3</td>
<td>Input select (SLOT3) (Main Picture when PIP mode)</td>
</tr>
<tr>
<td>47</td>
<td>ISS:PC1</td>
<td>Sub Picture Input Select (PC1)</td>
</tr>
<tr>
<td>48</td>
<td>ISS:SL1</td>
<td>Sub Picture Input Select (SLOT1)</td>
</tr>
<tr>
<td>49</td>
<td>ISS:SL1A</td>
<td>Sub Picture Input Select (SLOT1A)</td>
</tr>
<tr>
<td>50</td>
<td>ISS:SL1B</td>
<td>Sub Picture Input Select (SLOT1B)</td>
</tr>
<tr>
<td>51</td>
<td>ISS:SL2</td>
<td>Sub Picture Input Select (SLOT2)</td>
</tr>
<tr>
<td>52</td>
<td>ISS:SL2A</td>
<td>Sub Picture Input Select (SLOT2A)</td>
</tr>
<tr>
<td>53</td>
<td>ISS:SL2B</td>
<td>Sub Picture Input Select (SLOT2B)</td>
</tr>
<tr>
<td>54</td>
<td>ISS:SL3</td>
<td>Sub Picture Input Select (SLOT3)</td>
</tr>
<tr>
<td>55</td>
<td>OSP:SCR0</td>
<td>Screen Saver White bar scroll (OFF)</td>
</tr>
<tr>
<td>56</td>
<td>OSP:SCR1</td>
<td>Screen Saver White bar scroll (ON)</td>
</tr>
<tr>
<td>57</td>
<td>POF</td>
<td>Power OFF</td>
</tr>
<tr>
<td>58</td>
<td>PON</td>
<td>Power ON</td>
</tr>
<tr>
<td>59</td>
<td>SSC:FNC0</td>
<td>Screen Saver function (White bar scroll)</td>
</tr>
<tr>
<td>60</td>
<td>SSC:FNC1</td>
<td>Screen Saver function (Image Reversal)</td>
</tr>
<tr>
<td>61</td>
<td>SSC:MOD0</td>
<td>ScreenSaver (Mode (OFF))</td>
</tr>
<tr>
<td>62</td>
<td>SSC:MOD3</td>
<td>ScreenSaver (Mode (ON))</td>
</tr>
<tr>
<td>63</td>
<td>VMT:0*</td>
<td>Picture Mute (OFF)</td>
</tr>
<tr>
<td>64</td>
<td>VMT:1*</td>
<td>Picture Mute (ON)</td>
</tr>
</tbody>
</table>

* Picture Mute cannot be unlocked by powering off/on with the remote control. Turn off and on again with the button on the unit or enter the command VMT:0 to unlock Picture Mute.
## Specifications

|------------------------|------------------------|------------------------|

### Power Source
- 220-240 V AC, 50/60 Hz

### Power Consumption

<table>
<thead>
<tr>
<th></th>
<th>TH-37PR10M</th>
<th>TH-42PR10M</th>
<th>TH-42PG10M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power on</td>
<td>325 W</td>
<td>365 W</td>
<td>280 W</td>
</tr>
<tr>
<td>Stand-by condition</td>
<td>Save off 1.0 W, Save on 0.8 W</td>
<td>Save off 1.0 W, Save on 0.8 W</td>
<td>Save off 0.8 W, Save on 0.6 W</td>
</tr>
<tr>
<td>Power off condition</td>
<td>0.5 W</td>
<td>0.5 W</td>
<td>0.2 W</td>
</tr>
</tbody>
</table>

### Plasma Display panel

<table>
<thead>
<tr>
<th></th>
<th>37-inch, 16:9 aspect ratio</th>
<th>42-inch, 16:9 aspect ratio</th>
<th>42-inch, 16:9 aspect ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen size</td>
<td>819 mm (W) × 457 mm (H) × 938 mm (diagonal)</td>
<td>922 mm (W) × 518 mm (H) × 1,057 mm (diagonal)</td>
<td>920 mm (W) × 518 mm (H) × 1,056 mm (diagonal)</td>
</tr>
<tr>
<td>(No. of pixels)</td>
<td>737,280 (1,024 (W) × 720 (H)) [3,072 × 720 dots]</td>
<td>786,432 (1,024 (W) × 768 (H)) [3,072 × 768 dots]</td>
<td>408,960 (852 (W) × 480 (H)) [2,556 × 480 dots]</td>
</tr>
</tbody>
</table>

### Operating condition

<table>
<thead>
<tr>
<th></th>
<th>TH-37PR10M</th>
<th>TH-42PR10M</th>
<th>TH-42PG10M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>0 °C - 40 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humidity</td>
<td>20 % - 80 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Applicable signals

<table>
<thead>
<tr>
<th></th>
<th>TH-37PR10M</th>
<th>TH-42PR10M</th>
<th>TH-42PG10M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scanning format</td>
<td>525 (480) / 60i · 60p, 625 (575) / 50i · 50p, 750 (720) / 60p · 50p, 1125 (1080) / 60i · 50i · 24p · 25p · 30p · 24sF · · · SMPTE274M, 1250 (1080) / 50i</td>
<td>VGA, SVGA, XGA, SXGA, UXGA · · · (compressed)</td>
<td>VGA, XGA, SXGA, UXGA · · · (compressed)</td>
</tr>
</tbody>
</table>

### Connection terminals

<table>
<thead>
<tr>
<th></th>
<th>TH-37PR10M</th>
<th>TH-42PR10M</th>
<th>TH-42PG10M</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPONENT/RGB IN</td>
<td>Y/G (BNC) with/sync 1.0 V-p (75 Ω)</td>
<td>VGA, SVGA, XGA, SXGA, UXGA · · · (compressed)</td>
<td>VGA, XGA, SXGA, UXGA · · · (compressed)</td>
</tr>
<tr>
<td></td>
<td>Pb/B (BNC), Pr/R (BNC) 0.7 V-p (75 Ω)</td>
<td>Vertical scanning frequency 15 - 110 kHz</td>
<td>Vertical scanning frequency 15 - 110 kHz</td>
</tr>
<tr>
<td></td>
<td>AUDIO IN (RCA PIN JACK × 2) 0.5 Vrms (high impedance)</td>
<td>Vertical scanning frequency 48 - 120 Hz</td>
<td>Vertical scanning frequency 48 - 120 Hz</td>
</tr>
<tr>
<td>PC IN</td>
<td>(HIGH-DENSITY MINI D-SUB 15PIN) Y or G with/sync 1.0 V-p (75 Ω)</td>
<td>Y or G without/sync 0.7 V-p (75 Ω)</td>
<td>Y or G without/sync 0.7 V-p (75 Ω)</td>
</tr>
<tr>
<td></td>
<td>B/Pb/Cb : 0.7 V-p (75 Ω)</td>
<td>R/Pr/Cr : 0.7 V-p (75 Ω)</td>
<td>HD/VD : 1.0 - 5.0 V-p (high impedance)</td>
</tr>
<tr>
<td></td>
<td>AUDIO IN (M3 JACK) 0.5 Vrms (high impedance)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Accessories Supplied

<table>
<thead>
<tr>
<th></th>
<th>TH-37PR10M</th>
<th>TH-42PR10M</th>
<th>TH-42PG10M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote Control Transmitter</td>
<td>N2QAYB000178</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Batteries</td>
<td>2 × R6 Size</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fixing bands</td>
<td>TMME203 × 2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Dimensions (W × H × D)

<table>
<thead>
<tr>
<th></th>
<th>TH-37PR10M</th>
<th>TH-42PR10M</th>
<th>TH-42PG10M</th>
</tr>
</thead>
<tbody>
<tr>
<td>(109 mm when including protruding portion of slots)</td>
<td>917 mm × 644 mm × 95 mm</td>
<td>1,020 mm × 705 mm × 95 mm</td>
<td>1,020 mm × 705 mm × 95 mm</td>
</tr>
</tbody>
</table>

### Mass (weight)

<table>
<thead>
<tr>
<th></th>
<th>TH-37PR10M</th>
<th>TH-42PR10M</th>
<th>TH-42PG10M</th>
</tr>
</thead>
<tbody>
<tr>
<td>approx. 25.0 kg net</td>
<td></td>
<td>approx. 28.0 kg net</td>
<td>approx. 30.0 kg net</td>
</tr>
</tbody>
</table>

### Sound

<table>
<thead>
<tr>
<th></th>
<th>TH-37PR10M</th>
<th>TH-42PR10M</th>
<th>TH-42PG10M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speaker</td>
<td>120 mm × 60 mm × 2 pcs, 8 Ω</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audio Output</td>
<td>20 W [10 W + 10 W] (10 % THD)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes:
- Design and specifications are subject to change without notice. Mass and dimensions shown are approximate.
- For Australian models: This equipment complies with standards listed below.
  AS/NZS60065, CISPREE22 Class-B
Customer’s Record

The model number and serial number of this product can be found on its rear panel. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.

Model Number ___________________________________ Serial Number ________________________________