

## Operating Instructions LCD TV

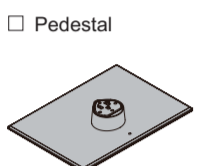


# VIERA

### Standard accessories

Check that you have the accessories and items shown

Remote Control (TZ20000009A)



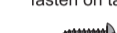
Batteries for the Remote Control (2) (AAA)



Operating Instructions



Assembly screws (4)



### Contents

- Safety Precautions..... 1
- Caution..... 1
- Installing And Uninstalling Stand..... 2
- Partnames And Functions..... 2
- Operation Of Remote Control..... 3
- Auto Tuning..... 4
- How To Use Menu Functions..... 5
- Watching TV..... 6
- Specifications..... 6



Thank you for purchasing this Panasonic product. Please read these instructions before operating your set and retain them for future reference. The images shown in this manual are for illustrative purposes only. CAUTION: This product contains possibly dangerous parts (such as plastic bags), that can be breathed in or swallowed by young children accidentally. Keep these parts out of reach of young children.

English

## PRECAUTIONS

### Warning

- Handling the mains plug and lead
  - Insert the mains plug fully into the socket outlet. (If the mains plug is loose, it could generate heat and cause fire.)
  - Ensure that the mains plug is easily accessible.
  - Do not touch the mains plug with a wet hand. (This may cause electrical shock.)
  - Do not damage the mains lead. (A damaged lead may cause fire or electrical shock.)
  - Do not move the TV with the lead plugged in the socket outlet.
  - Do not place a heavy object on the lead or place the lead near a high-temperature object.
  - Do not twist the lead, bend it excessively, or stretch it.
  - Do not pull on the lead. Hold onto the mains plug body when disconnecting lead.
  - Do not use a damaged mains plug or socket outlet.
- Do not allow children to handle remote control batteries.
  - As with any small object, remote control batteries can be swallowed by young children. Please remove remote control batteries immediately after use and store out of reach of children.



### Mains plug types vary between countries

- Power source / Installation
  - This TV is designed for
    - AC 110 - 240 V, 50 / 60 Hz
    - Table-top use

Do not remove covers and NEVER modify the TV yourself  
Do not remove the rear cover as live parts are accessible when it is removed. There are no user serviceable parts inside. (High-voltage components may cause serious electrical shock.)

Do not expose to rain or excessive moisture  
To prevent damage which might result in electric shock or fire, do not expose this TV to rain or excessive moisture. This TV must not be exposed to dripping or splashing water and objects filled with liquid, such as vases, must not be placed on top of or above the TV.

Do not expose to direct sunlight and other sources of heat  
Avoid exposing the TV to direct sunlight and other sources of heat. To prevent fire never place any type of candle or naked flame on top or near the TV.

Do not insert foreign objects into the TV  
Do not allow any objects to drop into the TV through the air vents. (Fire or electrical shock may result.)

Do not place the TV on sloped or unstable surfaces  
The TV may fall off or tip over.

Use only the dedicated pedestals / mounting equipment

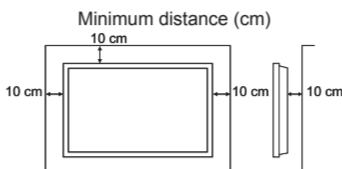
Using an unapproved pedestal or other fixtures may make the TV unstable, risking injury. Be sure to ask your local Panasonic dealer to perform setup.

IMPORTANT INFORMATION  
If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television.
- Only using furniture that can safely support the television.
- Ensuring the television is not overhanging the edge of the supporting furniture.
- Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
- Not standing the televisions on cloth or other materials placed between the television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.

## CAUTION

- This appliance is intended for use in tropical climates
- When cleaning the TV, remove the mains plug
- Cleaning an energized TV may cause electrical shock.
- When the TV is not going to be used for a long period of time, remove the mains plug
- This TV will still consume some power even in the Off mode as long as the mains plug is still connected to a live socket outlet.
- Allow sufficient space around the TV for radiated heat
- When using the pedestal, keep a space between the bottom of the TV and the surface where the TV is set.
- If using a wall-hanging bracket, refer to its manual.



- Do not block the rear air vents
- Blocked ventilation by newspapers, table cloths, curtains, etc. may cause overheating, fire or electrical shock.
- Do not apply strong force or impact to the display panel
- This may cause damage resulting in injury.
- Do not expose your ears to excessive volume from the headphones
- Irreversible damage can be caused.

Do not keep the TV away from these types of equipment

- Electronic equipment
- In particular, do not place video equipment near the TV. Electromagnetic interference may distort images / sound.
- Equipment with an infrared sensor
- This TV also emits infrared rays. This may affect operation of other equipment.

Transport only in upright position

TRADEMARKS

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This product incorporates the following software or technology:

- The software developed by the FreeType Project.

## INSTALLING AND UNINSTALLING STAND

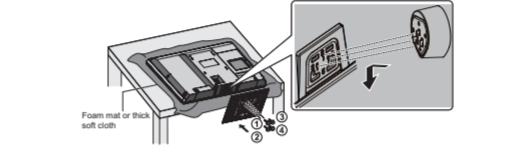
### CAUTION INSTALLING STAND BASE

- Through in installing work, handling with more than two people is recommended.
- When holding (moving or lifting) the LCD Display, hold the display's body. Do not handle the LCD TV by holding the attached accessory parts (speakers), otherwise it may result in damage.
- Before installing, provide a desk (or a part of it) which is strong enough to support the weight of the LCD TV and this stand. The desk must be larger than the LCD Display screen size. The desk's surface must be flat and maintained with soft material (such as a blanket) for protecting the screen surface.
- Before putting the LCD Display on the desk, make sure there is no object on it. Leaving any object under the screen may cause damage on the screen.
- The LCD TV with this stand should be installed on flat and level place. Do not place on thing such as a non flat, uneven or unstable cart or stand. The display may fall, causing not only serious damage to the products but serious injury to a person.

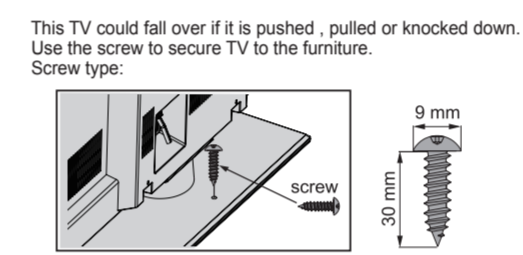
For correct installing, mounting and uninstalling LCD TV Stand, it is strongly recommended to use a trained, authorized dealer. Failure to follow correct procedures could result in damage to the equipment or injury to the installer.

### Installing Stand Base

- Place the LCD TV screen facing down on a flat surface place where maintained with soft materials (such as a blanket) for protecting the display screen.
- Secure the stand to the TV with 4 screws.



Warning  
To prevent injury, this apparatus must be securely attached to the floor / wall in accordance with the installation instructions. Use the screw to secure TV to the furniture.



Wall Mounting (optional)  
Use the screws that are threaded into the stand-mounting inserts on the back of your LCD TV to secure it to a Wall Mounting kit. NOTE: Wall Mounting kit is not supplied. It is safe to use long screws for this product. When using long screws, the two bottom screws may come loose, but the top two will remain tight in place, so it will not fall off the wall.

## INSTALLING AND UNINSTALLING STAND

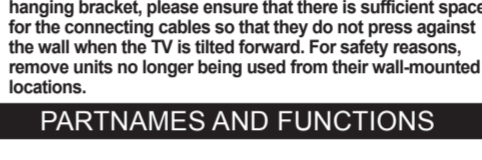
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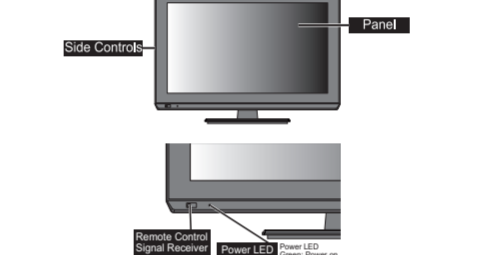
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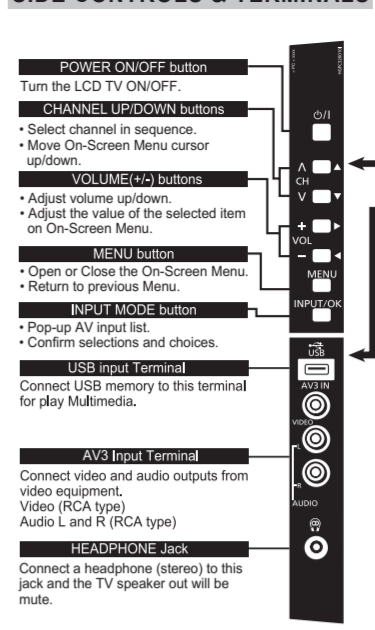


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## SIDE CONTROLS & TERMINALS



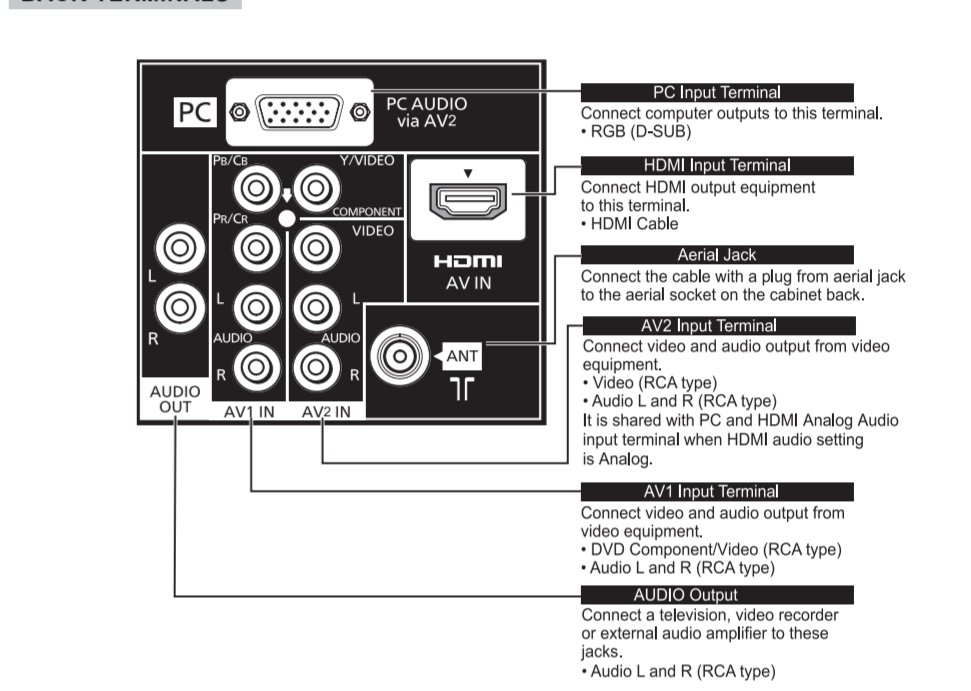
## REMOTE CONTROL BATTERIES INSTALLATION

- Remove the battery compartment cover.
- Insert two size AAA batteries (1.5V) according to "+" and "-" polarity markings inside the battery compartment.
- Close the battery compartment cover.

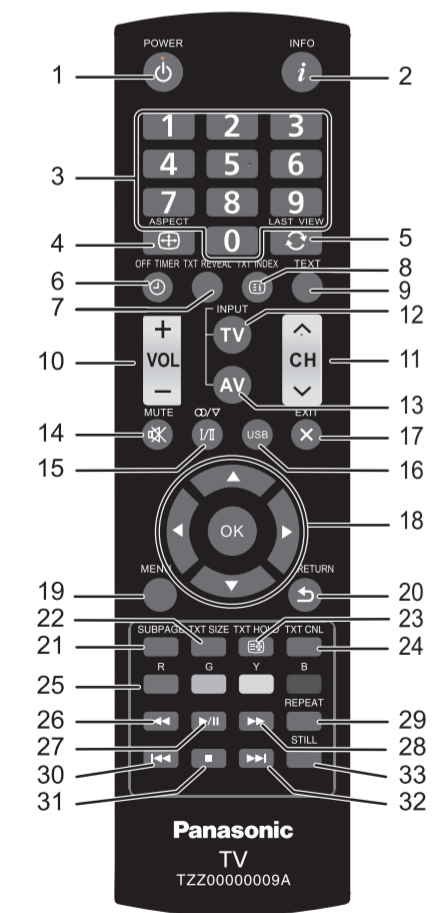
To insure safe operation, please observe the following precautions:

- Replace two batteries at the same time.
- Do not use a new battery with a used battery.
- Avoid contacting with water or liquid.
- Do not expose the Remote Control or Batteries to moisture, or heat such as sunshine, fire or the like.
- Do not drop the Remote Control.
- If a battery has leaked on the Remote Control, carefully wipe case clean and install new batteries.
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.

## BACK TERMINALS



## OPERATION OF REMOTE CONTROL



- Power Up / Down (VOL+ / -) Buttons**- Adjust the volume up/down.
- Channel Up / Down (CH ^ / v) Buttons**- Select the channel up/down
- TV Button**- Switch to TV mode.
- AV Button**- Select input mode "AV1", "AV2", "AV3", "PC", "HDMI", "TV", "USB" in sequence.
- MUTE Button**- Switch sound Mute on/off.
- I/I Button**- Select mono / stereo / bilingual.
- USB Button**- Switch to USB OPERATION MODE.
- EXIT Button**- Exit On-Screen Menu.
- ▲/▼/◀/▶/OK Buttons** -
  - CURSOR ▲ (up) ▼ (down) Buttons
    - Move the cursor up and down.
  - CURSOR ◀ (left) ▶ (right) Buttons
    - Move the cursor left and right.
    - Adjust the value of the selected item on On-Screen Menu.
- OK Button**
  - Confirm selections and choices.
  - Play multi-media in USB mode.
- MENU Button**- Press to access On-Screen Menu.
- RETURN Button**- Return to previous menu.
- TXT SUB Button**- Teletext SUB function key.
- TXT SIZE Button**- Teletext SIZE function key.
- TXT HOLD Button**- Teletext HOLD function key.
- TXT CNL Button**- Teletext CNL function key.
- COLOR KEY Buttons**- Red / Green / Yellow / Blue key for TXT special function, and USB function key.
- ◀◀ Button**- Fast-Rewind during Playback or Pause.
- ▶▶ Button**- Playback / Pause.
- ▶▶▶ Button**- Fast-Forward during Playback or Pause.
- REPEAT Button**- To execute Repeat function.
- ◀◀◀ Button**- Go to the beginning of the previous title/ chapter/scene/track.
- Button**- Stop Playback and switch to USB OPERATION MODE.
- ▶▶▶▶ Button**- Go to the beginning of the next title/chapter/ scene/track.
- STILL Button**- Freeze the window picture.

NOTE:

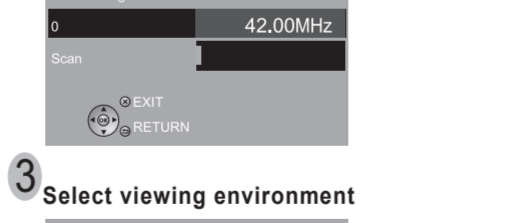
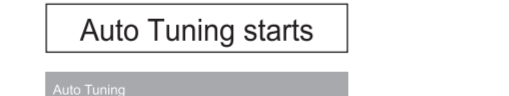
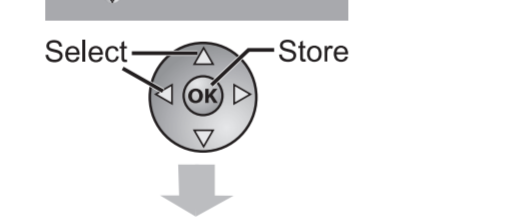
- STILL function will not support 1080P mode and USB signal.
- USB function should be operated through remote control.
- LAST VIEW function-Watching less than 10 seconds is not regarded as the previously viewed channel or input source.

- Power Button**- Turn the LCD TV ON/OFF. When the TV is on, the green LED indicator on the TV front will be illuminated.
- INFO Button**- Displays TV status information as well as program details.
- Numeric Buttons**
  - Press numeric buttons to select a TV channel.
  - Turn on TV and enter the channel when TV is off.
- ASPECT**- Select picture size.
- LAST VIEW**- Switch to the previously viewed channel or input source. Press again to return to the present view.
- OFF TIMER**- Select Off timer function.
- TXT REVEAL**-Teletext REVEAL function key.
- TXT INDEX**- Teletext INDEX function key.
- TEXT Button**- Switch to Teletext or TEXT/MIX mode.

## AUTO TUNING

Search and store TV channels automatically.  
These steps are not necessary if the setup has been completed by your local dealer.

- 1 Plug the TV into mains socket and switch On**
  - You can now use the remote control to turn on the TV or switch the TV to Standby mode. (Power LED: Green)

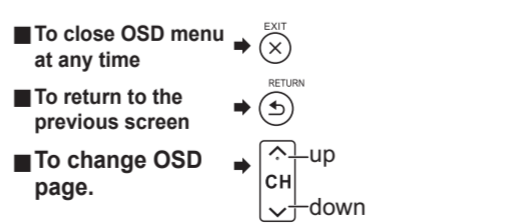
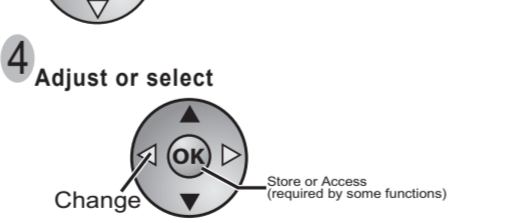
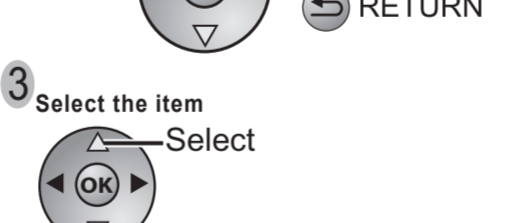
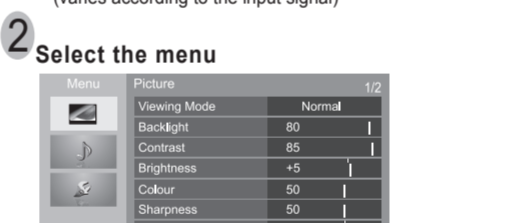


Auto Tuning is completed

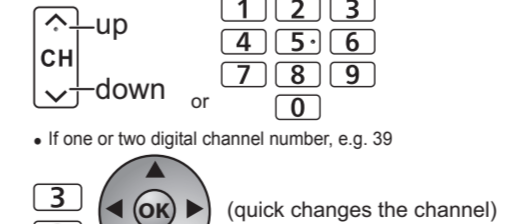
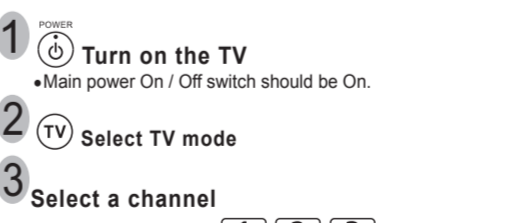
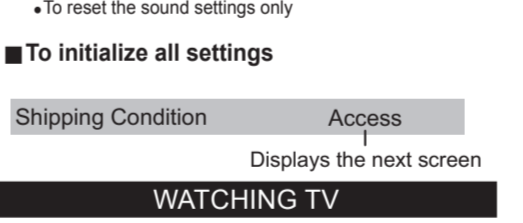
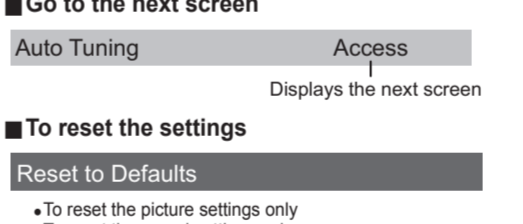
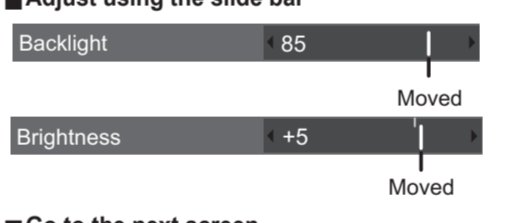
\*Viewing environment mode  
[Home]: Recommended mode for viewing at home.  
Select [Home] for optimal picture / power consumption.  
[Viewing Mode] is set as [Normal].  
[Shop]: For in-store display  
[Viewing Mode] is set as [Dynamic].

## HOW TO USE MENU FUNCTIONS

- 1 Display the On-Screen Menu**
  - Displays the functions that can be set (varies according to the input signal)



## Choose from among alternatives



NOTE:

- When the TV is switched to standby, there will be a clicking sound after a short delay. This is normal.

## APPENDIX

### SPECIFICATIONS

**SPECIFICATIONS**  
Maximum Visible Range  
32" : (H)698×(V)392 mm  
42" : (H)930×(V)523 mm  
Picture Resolution  
32" : 1366 X 768 pixels  
42" : 1920 X 1080 pixels  
Voltage  
AC 110-240V 50/60Hz  
Power rating  
32" : 97W  
42" : 172W  
Stand by condition  
0.6W  
Colour System  
PAL/NTSC3.58/NTSC4.43/SECAM  
Sound System  
D/K, I, M, B/G  
Channel Coverage  
VHF Low band: 48.25 to 144.25MHz  
VHF High band: 144.25 to 420.25MHz  
UHF band: 421.25 to 860.25MHz  
Sound specialty  
Maximum Output Power  
32" : 5W+5W(10% THD)  
42" : 8W+8W(10% THD)  
Input terminals

Other	PC	1
	HDMI/DVI	1
	RF	1
	USB	1
AV 1	AV/COMPONENT	1
	AV/COMPONENT Audio	1
AV 2	AV	1
	AV Audio	1
AV 3	AV	1
	AV Audio	1

Audio out	HeadPhone
1	1

**Dimensions**  
32"  
(Including Pedestal) : 779(W) x 545(H) x 250(D)mm  
(Without Pedestal) : 779(W) x 494(H) x 107(D)mm  
42"  
(Including Pedestal) : 1020(W) x 677(H) x 270(D)mm  
(Without Pedestal) : 1020(W) x 625(H) x 106(D)mm  
Net Weight(Including Pedestal)  
32" : 10 kg  
42" : 14.5 kg  
Operating Environment  
Temperature: 0°C to 40°C  
Humidity: 20 % to 80 %  
Specifications are subject to change without notice.  
The On-Screen Menu and figures in this manual may differ slightly from the product.

## SUPPORTED FILE FORMAT IN MEDIA PLAYER

Photo			
Format	File extension	Image resolution (pixel)	Details / Restrictions
JPEG	.jpg	1X1 to 8400 X 6300	EXIF*1 standard Sub-sample : 4:4:4, 4:2:2, 4:2:0 Both baseline and progressive JPEG are supported.

\*1 Exchangeable Image File - image file format used by digital cameras.

Music	
Codec	File extension
MP3	.mp3

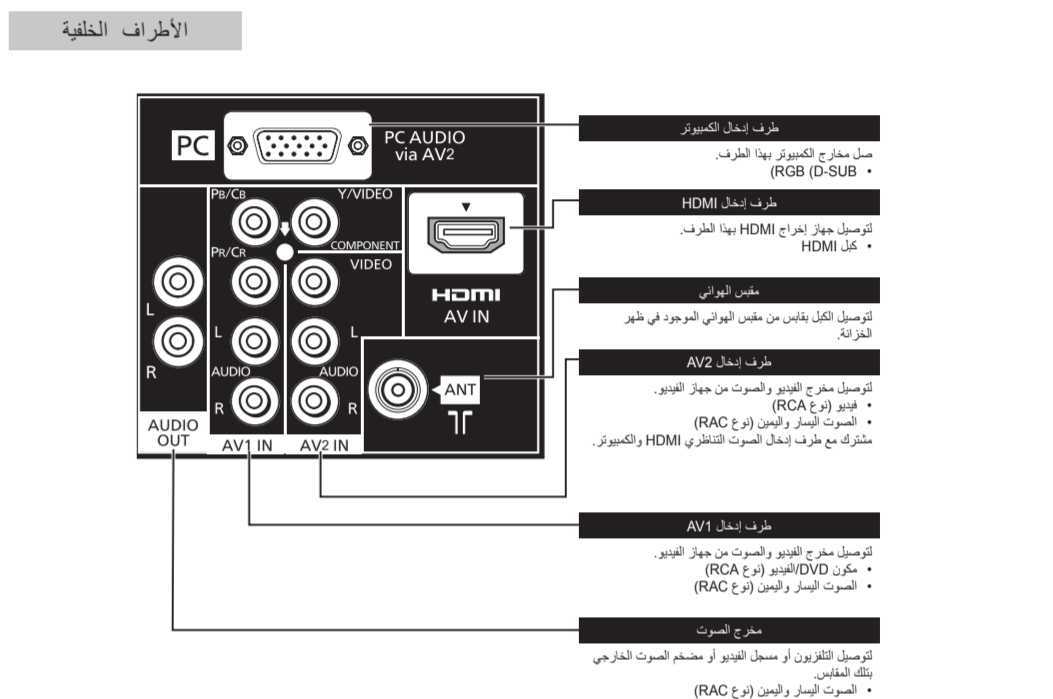
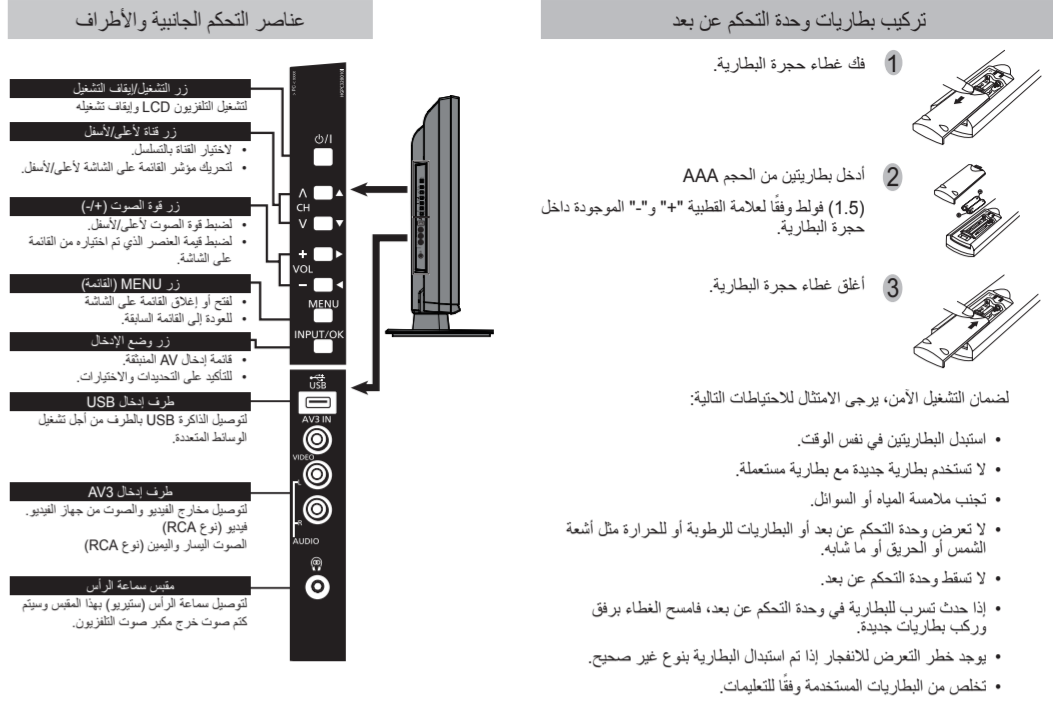
NOTE:

- Support USB 2.0 Type A connector. (DC 5V, MAX 500mA)
- Maximum memory size up-to 32GB.
- Support file system: FAT16, FAT32.
- Some files may not be played back even if they fulfill these conditions.
- Some USB devices or USB HUB may not be used with this TV.
- USB HDD formatted by PC is not supported in Media Player

Customer's Record	
The model number and serial number of this product may be found on its rear panel. You should note the model number and the 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

Panasonic Corporation  
Web site: <http://panasonic.net>  
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Printed in China





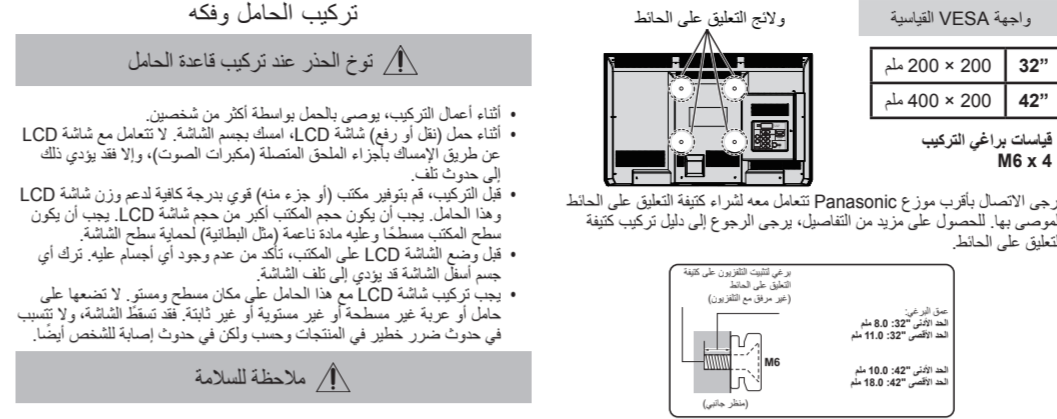
3

صيغة الملفات المدعومة في مشغل الوسائط			
الصورة	امتداد الملفات	دقة الصورة (بالبكسل)	التفاصيل
JPEG	jpg	1×1 إلى 8400 × 6300	مجازي EXIF1*1 النمط القياسي: 4:4:4، 4:2:2، 4:2:0 يتم دعم صيغة JPEG الأساسية والتقدمية
*ملف الصورة التباديل - صيغة ملفات الصور المستخدمة بواسطة الكاميرات الرقمية.			
نظام التشغيل التشغيل			
امتداد الملفات		الموسيقى	
mp3			

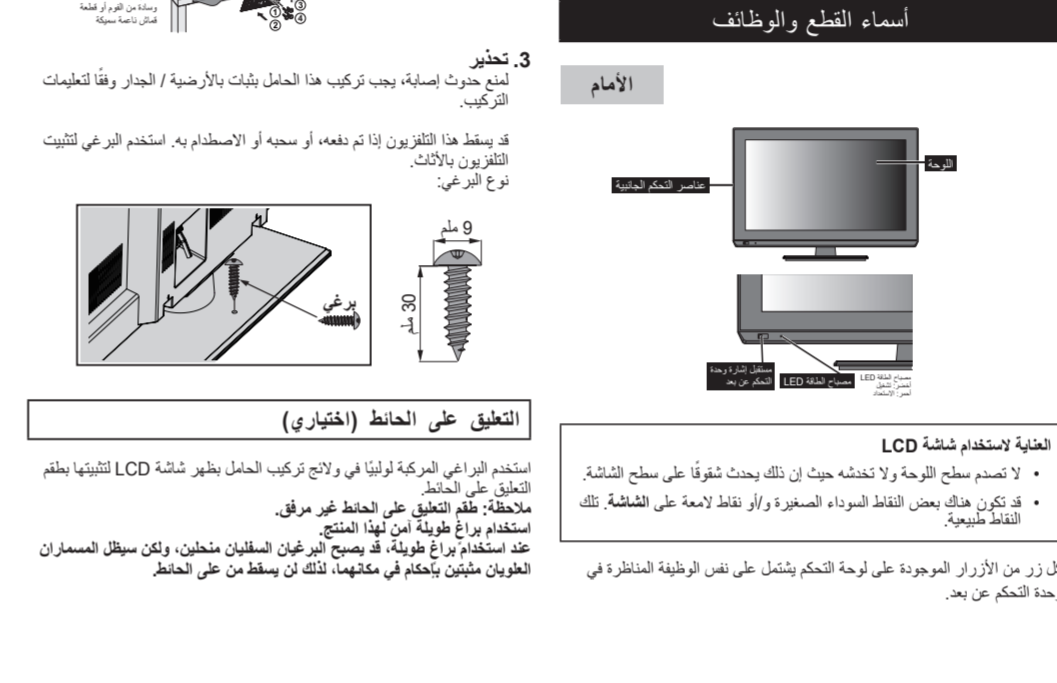
ملاحظة:  
 • دعم موصل USB 2.0 من النوع A. (5 فولت من التيار المستمر، حد أقصى 500 مللي أمبير)  
 • يميل الحد الأقصى لحجم الذاكرة إلى 32 جيجابايت.  
 • نظام الملفات المدعوم: FAT16، FAT32، FAT32.  
 • قد لا يتم تشغيل بعض الملفات حتى إذا كانت تأتي بهذه الشروط.  
 • بعض أنواع أجهزة USB أو موزع USB قد تكون غير ملائمة لاستخدام من هذا التلفزيون.  
 • لا يدعم مشغل الوسائط محركات الأقراص الصلبة HDD المصممة لـ USB HDD.

سجل العميل	
يمكن العثور على رقم الموديل ورقم الموديل لهذا المنتج على اللوحة الخلفية له. يجب أن تقوم بتدوين اسم الموديل والرقم المسلسل في المساحة المخصصة أثناءه والاحتفاظ بهذا الكتيب مع إيصال الشراء، كسجل دائم لشارك للمساعدة على تحديد الهوية في حالة السرعة أو الفقد، ولأغراض الخاصة بالضمان.	
رقم الموديل	الرقم المسلسل

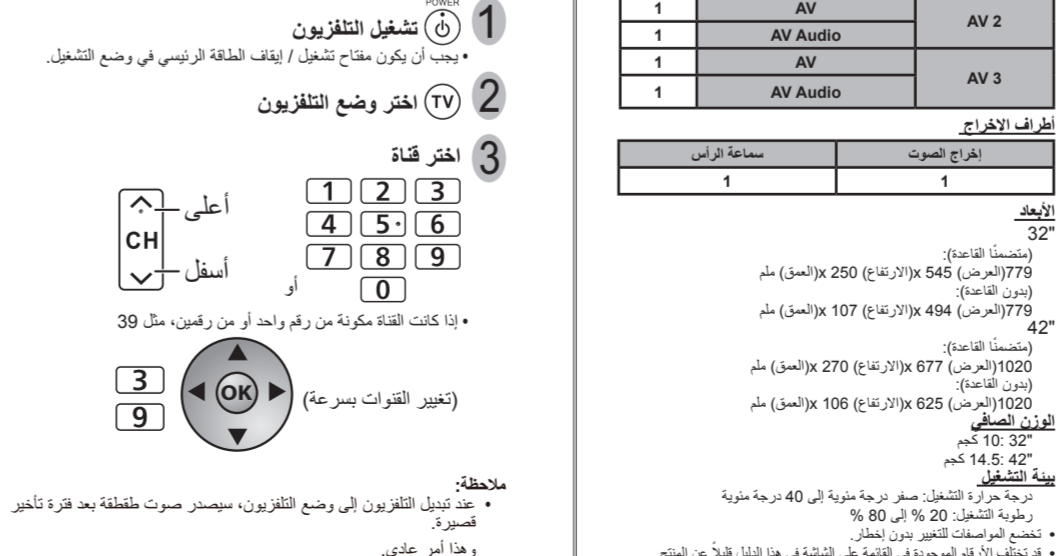
شركة Panasonic  
 موقع الويب <http://panasonic.net>  
 شركة © Panasonic 2012  
 تمت الطباعة في الصين



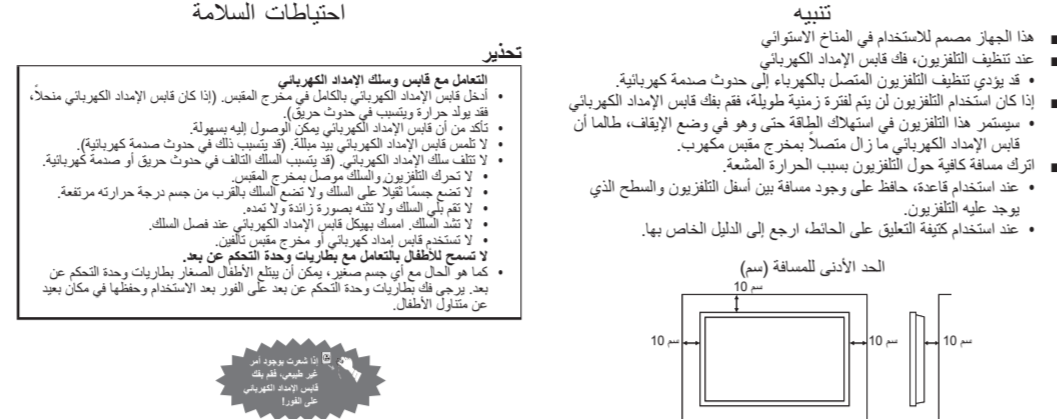
يرجى الاتصال بقرن موزع Panasonic تتعلم معه لثراء كيفية التعلق على الحائط الموصى بها للتمتع من مزيد من الفضول، يرجى الرجوع إلى دليل تركيب كيفية التعلق على الحائط.



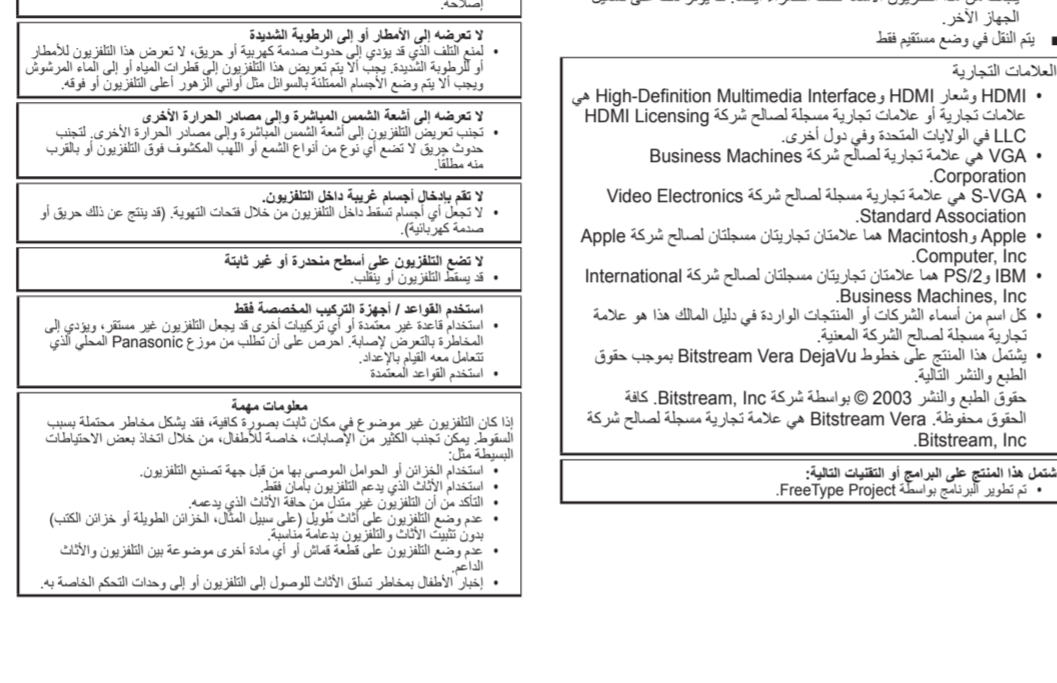
2



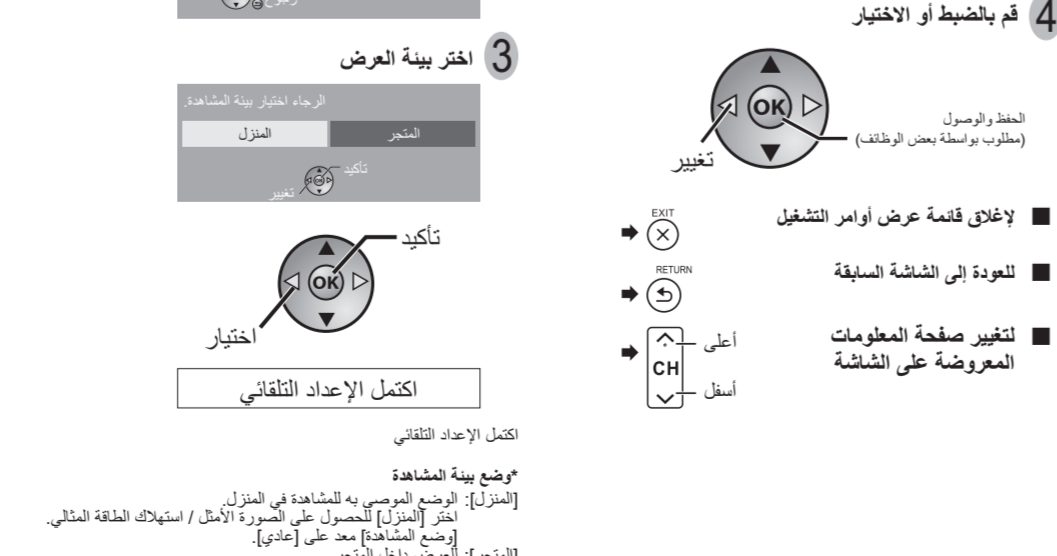
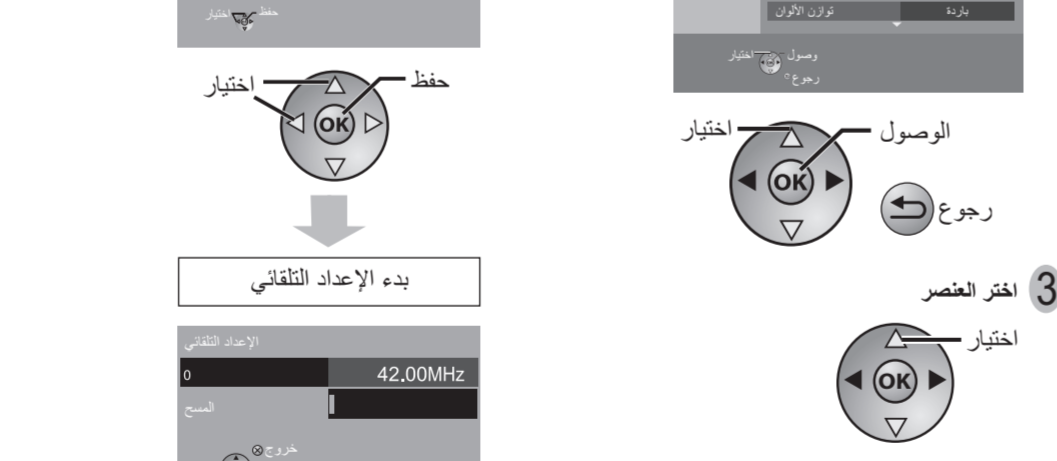
6



تحتوي هذه الجهاز مسمم للاستخدام في المناخ الاستوائي عند تنظيف التلفزيون، فف قابس الإمداد الكهربائي قد يؤدي لتلف التلفزيون المتصل بالكهرباء إلى حدوث صدمة كهربائية (إذا كان المستخدم التلفزيون في بيئة رطبة وتربة رطبة، فقد ينفذ قابس الإمداد الكهربائي مستمسك هذا التلفزيون في استهلاك الطاقة حتى وهو في وضع الإيقاف، سلطماً أن قابس الإمداد الكهربائي ما زال مستملاً بمخرج مقرب مكرب.



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## احتياطات السلامة

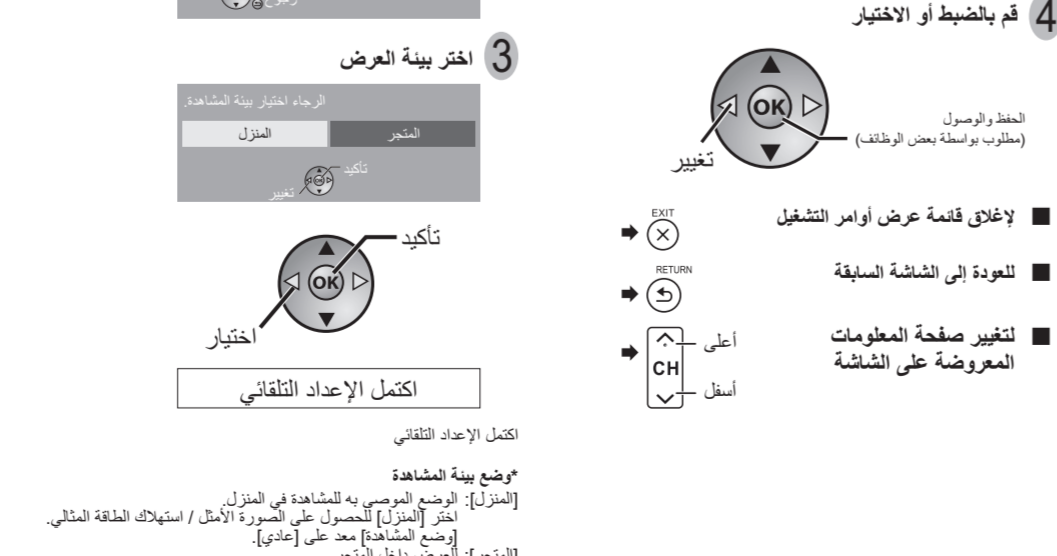
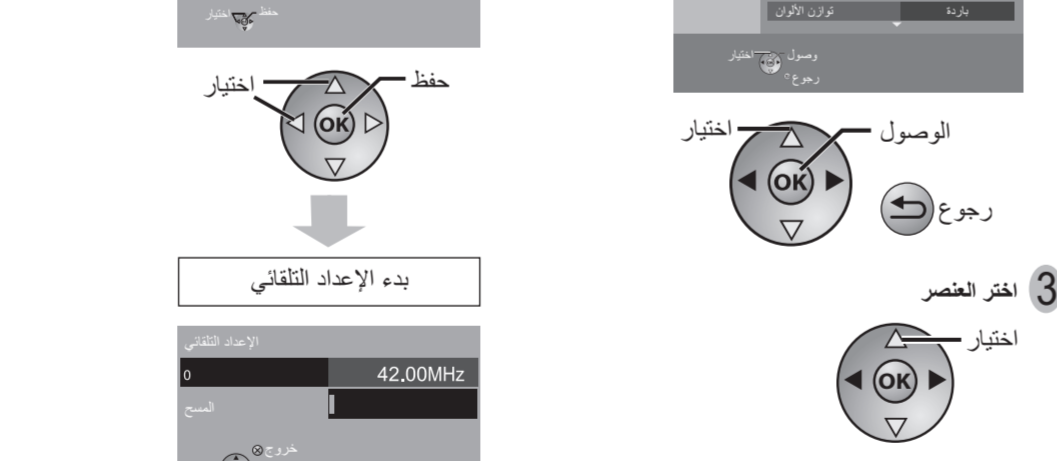
تحتوي هذه الجهاز مسمم للاستخدام في المناخ الاستوائي عند تنظيف التلفزيون، فف قابس الإمداد الكهربائي قد يؤدي لتلف التلفزيون المتصل بالكهرباء إلى حدوث صدمة كهربائية (إذا كان المستخدم التلفزيون في بيئة رطبة وتربة رطبة، فقد ينفذ قابس الإمداد الكهربائي مستمسك هذا التلفزيون في استهلاك الطاقة حتى وهو في وضع الإيقاف، سلطماً أن قابس الإمداد الكهربائي ما زال مستملاً بمخرج مقرب مكرب.



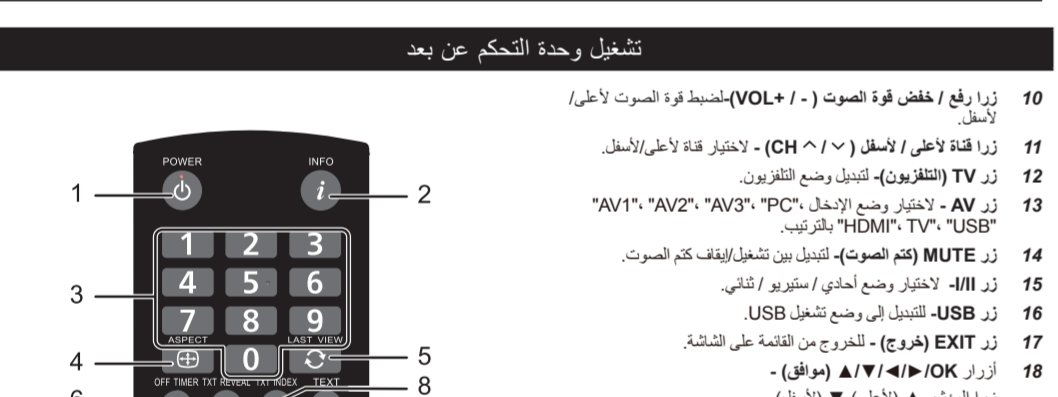
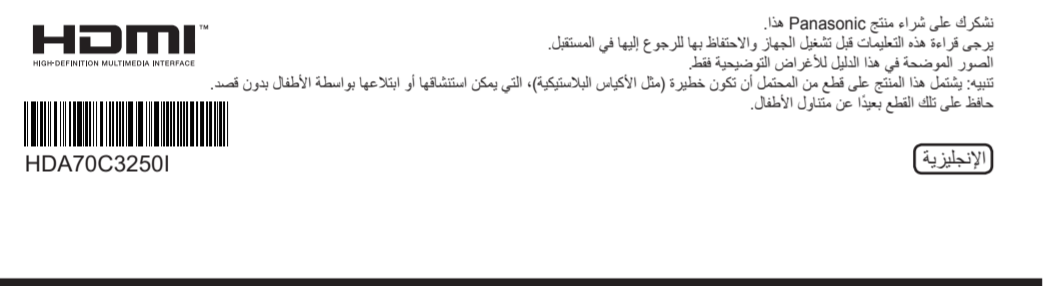
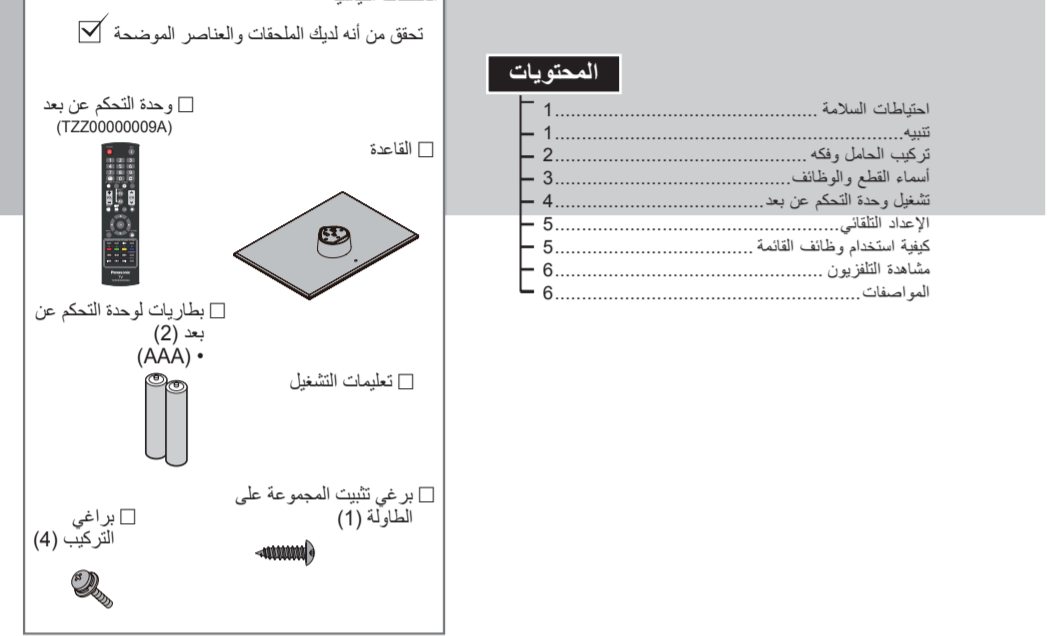
لا تدس فتحات التهوية الخلفية. فتحات التهوية المسدودة بواسطة الجرائد أو البطولة أو الملابس أو الستائر، إلخ، قد تتسبب في حدوث سخونة زائدة أو حريق أو صدمة كهربائية. لا تستعمل القوة المفرطة على لوحة الشاشة ولا تصطبها. قد يتسبب ذلك في حدوث تلف يؤدي إلى وقوع إصابة.

لا تضع الأشياء على الجهاز. قد يؤدي ذلك إلى وقوع إصابة. لا تعرض أذنك إلى قوة مسوت مفرطة من مساعة الرأس. يجب فحص تلف دائم.

معلومات مهمة: إذا كان التلفزيون غير موصول عن مكان تثبته بصورة مؤقتة، فقد يشكل خطر حتملة بسبب السقوط. يمكن تجنب الكثير من الإصابات، خاصة للأطفال، من خلال اتخاذ بعض الاحتياطات البسيطة مثل:

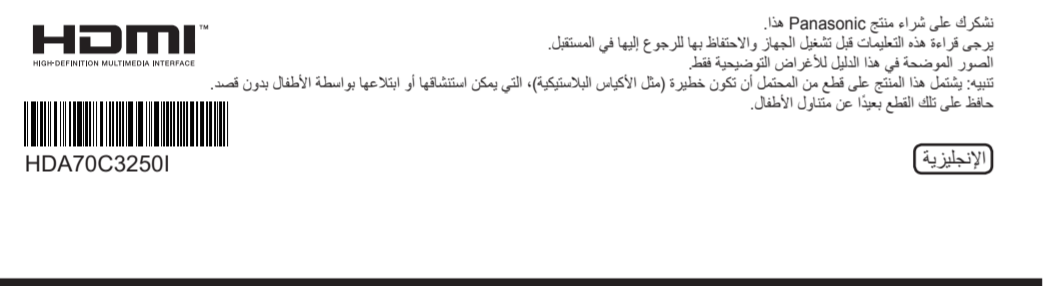
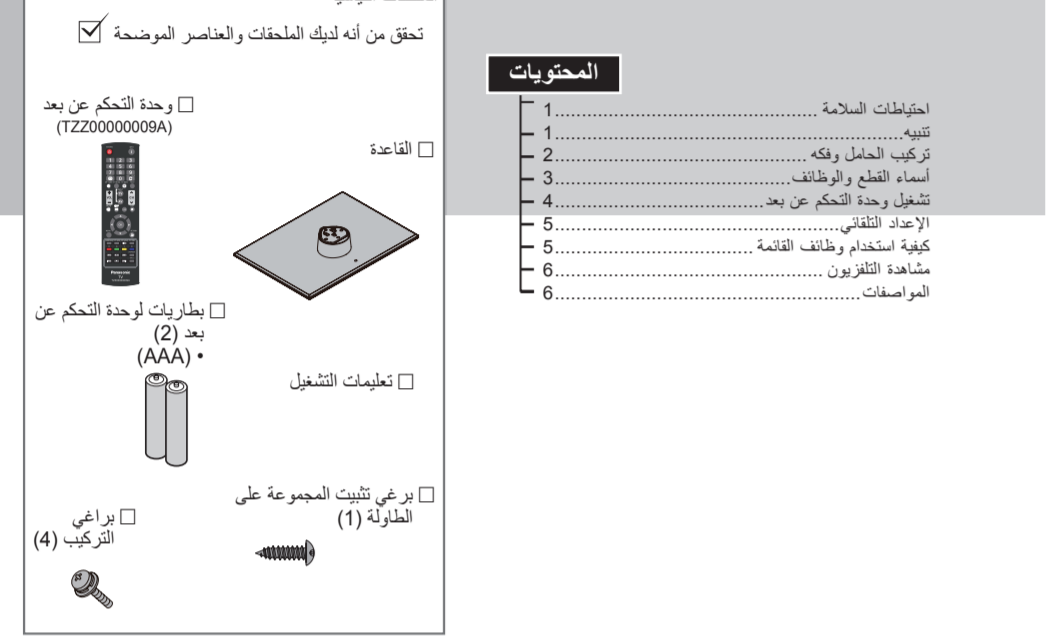


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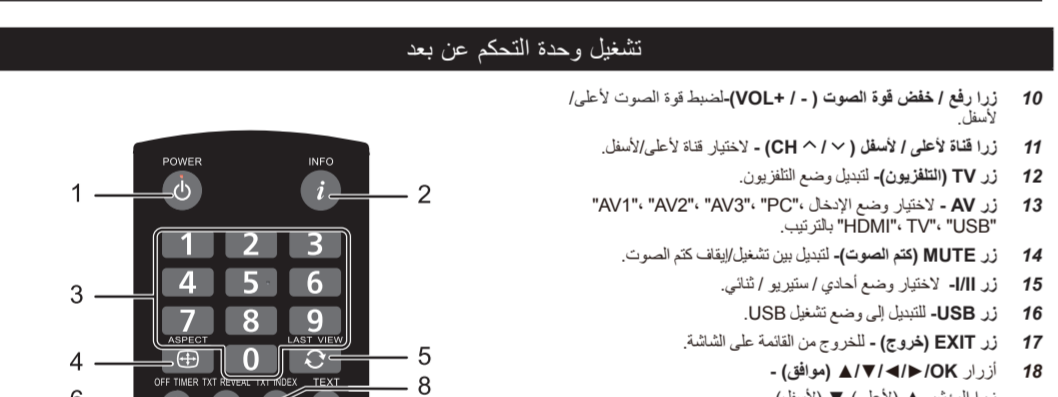
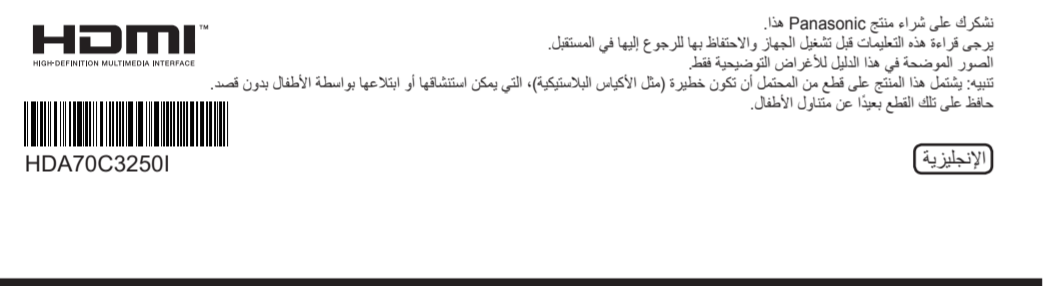
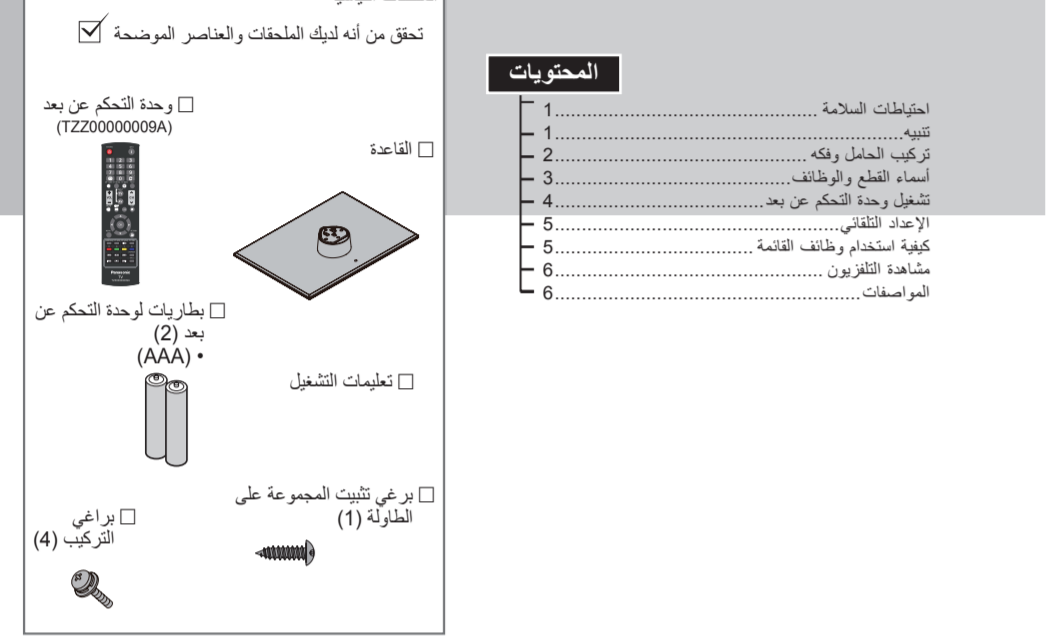
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## تعليمات التشغيل



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## تعليمات التشغيل



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