

# Panasonic®

OPERATING INSTRUCTIONS / BEDIENUNGSANLEITUNG /  
MODE D'EMPLOI / MANUAL DE FUNCIONAMIENTO /  
ISTRUZIONI DI FUNZIONAMENTO / BRUGSANVISNING/  
KÄYTTÖOHJE / DRIFTINSTRUKTIONER / BRUKSANVISNING  
HANDLEIDING / INSTRUÇÕES DE UTILIZAÇÃO /  
UŽIVATELSKÁ PŘÍRUČKA / INSTRUKCJE UŻYTKOWANIA /  
HASZNÁLATI UTASÍTÁS / INSTRUȚIUNI DE OPERARE /  
ΟΔΗΓΙΕΣ ΧΡΗΣΗΣ / ИНСТРУКЦИИ ЗА ΕΚΠΛΟΑΤΑЦИЯ /  
POUŽIVATEL'SKÁ PŘÍRUČKA

## TX-24MS480E

LED TV / Téléviseur LED / Telesor LED / TV a LED  
Led-tv / Televisor LED / LED televizor /  
Televizor LED / LED TV / Τηλεόραση LED /  
LED телевизор / LED televizor

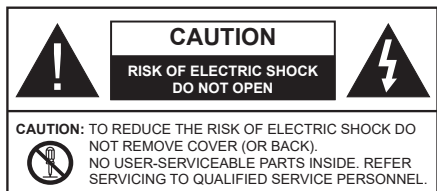
e-MANUAL

- You can find instructions for your TV's features in the **E-Manual**. To access the **E-Manual**, enter **Settings** menu, select **Manuais** and press **OK**. For quick access press **Home/Menu** button and then **Info** button.
- Im **E-Manuel** können Sie Anweisungen über die Eigenschaften Ihres TV-Gerätes finden. Um auf die **E-Manuel** zuzugreifen, rufen Sie das **Einstellungenmenü** auf, wählen Sie **Anleitungen** und drücken Sie **OK**. Für einen schnellen Zugriff drücken Sie die **Home/Menu**-Taste und dann die **Info**-Taste.
- Vous pouvez accéder aux instructions relatives aux fonctions de votre téléviseur à partir du **E-Manuel**. Pour accéder au **E-Manual**, accédez au menu **Réglages**, sélectionnez **Manuels** et appuyez sur **OK**. Pour un accès rapide, appuyez sur le bouton **Home/Menu**, puis sur le bouton **Info**.
- Puede encontrar instrucciones sobre las funciones de su televisor en el **E-Manual**. Para acceder al **E-Manual** o manual electrónico, ingrese al menú de **Settings Configuración**, seleccione **Manuales** y presione **OK**. Para un acceso rápido, presione el botón **Home/Menu** y luego el botón **Info**.
- Sarà possibile trovare istruzioni per le caratteristiche della TV nel **E-Manual** (Manuale elettronico). Per accedere al **E-Manual**, aprire il menu **Impostazioni**, selezionare **Manuali** e premere **OK**. Per un accesso rapido premere il pulsante **Home/Menu** e il pulsante **Info**.
- Du kan finde en vejledning til TV'ets funktioner i **E-Manualen**. For at bruge **E-Manualen**, skal du indtaste menuen **Indstillinger**, vælge **Manualler** og trykke på **OK**. For hurtig adgang til **E-Manual** skal du trykke på **Home/Menu**-knappen og derefter **Info**-knappen.
- Lördát TV'n käyttöohjeet **E-oppaasta**. **E-oppaan** käyttämiseksi, avaa **Asetukset**-valikko, valitse **Oppaat** ja paina **OK**. Avatakseksi **E-oppaan** nopeasti, paina **Home/Menu**-painiketta ja sitten **Info**-painiketta.
- Du kan hitta instruktionerna för TV:ns funktioner i **E-manualen**. För att komma till **E-manualen**, gå in i **Inställningsmenyn**, välj **Manualler** (Handböcker) och tryck på **OK**. För snabb åtkomst, tryck på **Home/Menu**-knappen och sedan **Info**-knappen.
- Du kan finne anvisninger for TV-funksjoner i den **E-manual** (elektroniske håndboken). For å få tilgang til den **E-manual** (elektroniske håndboken), gå inn i **Instillingmenyen**, velg **Bruksanvisning** (Håndbøker) og trykk **OK**. For rask tilgang, trykk på **Home/Menu**-knappen og deretter **Info**-knappen.
- U vindt de instructies voor de functies van uw tv in de **E-handleiding**. Voor toegang tot de **E-handleiding** gaat u naar het menu **Instellingen**. Selecteer **Handleidingen** en druk op **OK**. Voor snelle toegang drukt u op de knop **Home/Menu** en daarna op de knop **Info**.
- Encontra instruções para as funções da sua TV no **E-Manual**. Para aceder ao **E-Manual**, entrar no menu **Configuração**, seleccionar **Manuais** e premir em **OK**. Para acesso rápido premir o botão **Home/Menu** e depois o botão **Info**.
- V **E-Manual** (elektronická příručka) najdete pokyny pro funkce vašeho televizoru. Chcete-li použít **E-Manual** (elektronickou příručku), vstupte do nabídky **Nastavení**, zvolte **Návod (Manuál)** a stiskněte **OK**. Pro rychlý přístup do elektronické příručky, stiskněte tlačítko **Home/Menu** a poté tlačítko **Info**.
- **E-Manual** (Instrukcję obsługi) dotyczącą możliwości Twojego TV możesz znaleźć w **E-poradniku**. Aby skorzystać z **E-instrukcji**, wejdź do **Home/Menu Ustawienia**, wybierz **Instrukcję obsługi** i naciśnij **OK**. Aby uzyskać szybki dostęp, naciśnij przycisk **Menu**, a następnie przycisk **Info**.
- A TV-készleték funkcióira vonatkozó használati utasításokat az **E-kézikönyv** tartalmazza. Az **E-kézikönyv** eléréséhez lépjen be a **Beállítások** menübe, válassza a **Kézikönyvek** opciót, és nyomja meg az **OK** gombot. A gyors eléréshez nyomja meg a **Home/Menu** gombot, majd az **Info** gombot.
- In **E-Manual** (Manualul electronic) puteți găsi instrucțiuni privind funcțiile televizorului dumneavoastră. Pentru a accesa **E-Manual** (Manualul electronic), accesați meniul **Setări**, selectați **Manuale** și apăsați **OK**. Pentru acces rapid, apăsați butonul **Home/Menu** și apoi butonul **Info**.
- Στο Η. **E-Manual** (εγχειρίδιο) μπορείτε να βρείτε οδηγίες σχετικά με τις λειτουργίες της τηλεόρασης σας. Για να αποκτήσετε πρόσβαση στο Η. **E-Manual** (εγχειρίδιο), εισέλθετε στο μενού **Ρυθμίσεις**, επιλέξτε **Εγχειρίδιο** και πιέστε **OK**. Για γρήγορη πρόσβαση, πιέστε το πλήκτρο **Home/Menu** και κατόπιν το πλήκτρο **Info**.
- Можете да откриете инструкции за функциите на Вашия телевизор в електронното **E-Manual** (ръководство). За да получите достъп до електронното **E-Manual** (ръководство), влезте в меню **Настройки**, изберете **Ръководства** и натиснете **OK**. За бърз достъп натиснете бутона **Home/Menu** и след това бутона **Информация**.
- V **E-Manual** (elektronické príručce) najdete pokyny pre funkcie vášho televizora. Pre prístup k **E-Manual** (elektronickej príručce) prejdite do ponuky **Nastavenia**, vyberte **Príručky** a stlačte **OK**. Pre rýchly prístup stlačte tlačidlo **Home/Menu** a potom tlačidlo **Info**.

## Table of Contents

Safety Information .....	2	Video Encoder .....	33
Markings on the Product .....	2	Audio .....	33
Maintenance.....	4	Picture .....	35
Display panel, Cabinet, Pedestal .....	4	Subtitle.....	35
Mains plug.....	4	Supported DVI Resolutions.....	36
Assembling / Removing the pedestal .....	4	Specification.....	37
When using the wall-hanging bracket .....	5	Notice .....	38
Introduction .....	5	Licences .....	38
Accessories Included .....	5	Disposal of Old Equipment and Batteries .....	39
Features .....	5	Declaration of Conformity (DoC).....	39
Antenna Connection.....	6		
Other Connections .....	7		
Turning On/Off the TV .....	8		
TV Control & Operation.....	8		
Remote Control .....	10		
Initial Setup Wizard .....	11		
Home Screen .....	13		
Live TV Mode Menu Content .....	14		
Channels .....	14		
TV Options.....	14		
Settings .....	15		
Network and Internet .....	15		
Channel .....	16		
Accounts & Sign In .....	19		
Apps .....	19		
Device Preferences .....	20		
Bluetooth Remotes and Accessories.....	23		
Channel List .....	24		
Programme Guide.....	24		
Connecting to the Internet.....	25		
Multi Media Player.....	26		
From USB Connection.....	28		
USB Auto Play Feature.....	28		
CEC.....	28		
Google Cast .....	29		
HBBTV System .....	29		
Quick Standby Search .....	29		
Software Update .....	29		
Troubleshooting & Tips .....	30		
VGA Input Typical Display Modes .....	31		
AV and HDMI Signal Compatibility.....	31		
Supported File Formats for USB Mode.....	32		
Video Decoder.....	32		

## Safety Information



In extreme weather (storms, lightning) and long inactivity periods (going on holiday) disconnect the TV set from the mains.

The mains plug is used to disconnect TV set from the mains and therefore it must remain readily operable. If the TV set is not disconnected electrically from the mains, the device will still draw power for all situations even if the TV is in standby mode or switched off.

**Note:** Follow the on screen instructions for operating the related features.

### IMPORTANT - Please read these instructions fully before installing or operating

**⚠ WARNING:** This device is intended to be used by persons (including children) who are capable / experienced of operating such a device unsupervised, unless they have been given supervision or instruction concerning the use of the device by a person responsible for their safety.

- Use this TV set at an altitude of less than 5000 metres above the sea level, in dry locations and in regions with moderate or tropical climates.
- The TV set is intended for household and similar indoor use but may also be used in public places.
- For ventilation purposes, leave at least 5cm of free space around the TV.
- The ventilation should not be impeded by covering or blocking the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- The power cord/plug should be easily accessible. Do not place the TV, furniture, etc. on the power cord. A damaged power cord/plug can cause fire or give you an electric shock. Handle the power cord by the plug, do not unplug the TV by pulling the power cord. Never touch the power cord/plug with wet hands as this could cause a short circuit or electric shock. Never make a knot in the power cord or tie it with other cords. When damaged it must be replaced, this should only be done by qualified personnel.
- Do not expose the TV to dripping or splashing of liquids and do not place objects filled with liquids, such as vases, cups, etc. on or over the TV (e.g. on shelves above the TV).

- Do not expose the TV to direct sunlight or do not place open flames such as lit candles on the top of or near the TV.
- Do not place any heat sources such as electric heaters, radiators, etc. near the TV set.
- Do not place the TV on the floor or inclined surfaces.
- To avoid danger of suffocation, keep plastic bags out of the reach of babies, children and domestic animals.
- Carefully attach the stand to the TV. If the stand is provided with screws, tighten the screws firmly to prevent the TV from tilting. Do not over-tighten the screws and mount the stand rubbers properly.
- Do not dispose of the batteries in fire or with hazardous or flammable materials.

### WARNING

- Batteries must not be exposed to excessive heat such as sunshine, fire or the like.
- Excessive sound pressure from earphones or headphones can cause hearing loss.

**ABOVE ALL - NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the TV.**

Caution	Serious injury or death risk
Risk of electric shock	Dangerous voltage risk
Maintenance	Important maintenance component

### Markings on the Product

The following symbols are used on the product as a marker for restrictions and precautions and safety instructions. Each explanation shall be considered where the product bears related marking only. Note such information for security reasons.



**Class II Equipment:** This appliance is designed in such a way that it does not require a safety connection to electrical earth.



**Hazardous Live Terminal:** The marked terminal(s) is/are hazardous live under normal operating conditions.



**Caution, See Operating Instructions:** The marked area(s) contain(s) user replaceable coin or button cell batteries.



**Class 1 Laser Product:** This product contains Class 1 laser source that is safe under reasonably foreseeable conditions of operation.

# Obsah je uzamčen

**Dokončete, prosím, proces objednávky.  
Následně budete mít přístup k celému dokumentu.**



**Proč je dokument uzamčen? Nahněvat Vás rozhodně nechceme. Jsou k tomu dva hlavní důvody:**

1) Vytvořit a udržovat obsáhlou databázi návodů stojí nejen spoustu úsilí a času, ale i finanční prostředky. Dělali byste to Vy zadarmo? Ne\*. Zakoupením této služby obdržíte úplný návod a podpoříte provoz a rozvoj našich stránek. Třeba se Vám to bude ještě někdy hodit.

*\*) Možná zpočátku ano. Ale vězte, že dotovat to dlouhodobě nelze. A rozhodně na tom nezbohatneme.*

2) Pak jsou tady „roboti“, kteří se přiživují na naší práci a „vysávají“ výsledky našeho úsilí pro svůj prospěch. Tímto krokem se jim to snažíme překazit.

A pokud nemáte zájem, respektujeme to. Urgujte svého prodejce. A když neuspějete, rádi Vás uvidíme!