

# Manual de usuario

19HFL5114W/12

**PHILIPS**

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# Presentación del televisor

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## Modo profesional

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### Lo que puede hacer

Con el modo profesional activado, puede acceder a un gran número de ajustes avanzados que permiten un control avanzado del estado del televisor o añadir funciones adicionales.

Este modo está diseñado para instalaciones de televisores en espacios como hoteles, cruceros, estadios o cualquier otra zona empresarial en la que se requiera dicho control.

Si utiliza el televisor en casa, se recomienda hacerlo con el modo profesional desactivado.

Consulte el manual de instalación profesional para obtener más información.

# Instalación

## 2.1

### Instrucciones de seguridad



Lea las instrucciones de seguridad antes de utilizar el televisor.

## 2.2

### Soporte del televisor y montaje en pared

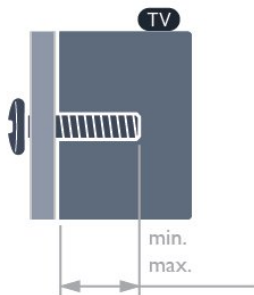
#### Soporte del televisor

Puede consultar las instrucciones de montaje del soporte del televisor en la guía de inicio rápido que incluye el televisor. Si ha perdido la guía, puede descargarla en [www.philips.com](http://www.philips.com).

Utilice el número de producto del televisor para buscar la **guía de inicio rápido** correspondiente y descargarla.

#### Montaje en pared

El televisor también admite un soporte de montaje en pared compatible con VESA (se vende por separado). Utilice el siguiente código VESA cuando compre el soporte de montaje en pared. . .



• 19HFL5114W

VESA MIS-F 75x75, M4 (mín.: 8 mm, máx.: 10 mm)

## Precaución

El montaje en pared requiere conocimientos técnicos y solo puede llevarlo a cabo el personal cualificado. Además, el montaje en pared debe cumplir los requisitos de seguridad correspondientes al peso del televisor. Antes de colocarlo, lea también las precauciones de seguridad.

TP Vision Europe B.V. no asume ninguna responsabilidad por el montaje inadecuado del televisor ni por cualquier montaje que provoque accidentes o lesiones.

## 2.3

### Sugerencias de colocación

- Coloque el televisor donde la luz no refleje directamente en la pantalla.
- La distancia ideal para ver la televisión es tres veces el tamaño diagonal de la pantalla. Mientras se está sentado, los ojos deberían quedar a la altura del centro de la pantalla.

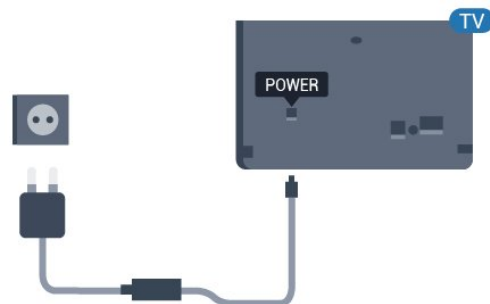
#### Nota:

Mantenga el televisor alejado de fuentes de polvo, como los hornillos de la cocina. Se recomienda limpiar el polvo con regularidad para evitar que este se introduzca en el televisor.

## 2.4

### Cable de alimentación

- Enchufe el cable en el conector **POWER** de la parte posterior del televisor.
- Asegúrese de que el cable de alimentación esté bien insertado en el conector.
- Asegúrese de que el enchufe de la toma de alimentación de la pared permanece accesible en todo momento.
- Al desconectar el cable de alimentación, tire siempre del enchufe, nunca del cable.

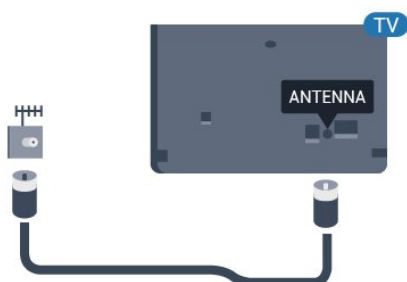


## Cable de antena

Inserte el conector de la antena con firmeza en la toma de la antena de la parte posterior del televisor.

Puede conectar su propia antena o conectar una señal de antena de un sistema de distribución de antena. Utilice un conector de antena RF coaxial IEC de 75 ohmios.

Utilice esta conexión de antena para las señales de entrada de TDT y TDC.



# Montaje en brazo

## 3.1

### Asa

Puede consultar las instrucciones de montaje del asa en la guía de inicio rápido en [www.philips.com](http://www.philips.com).

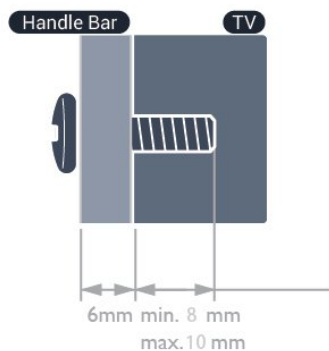
Utilice el número de producto del televisor para buscar la guía de inicio rápido correspondiente y descargarla.

## 3.2

### Montaje en brazo

El televisor también admite un soporte de montaje en brazo compatible con VESA (se vende por separado). Utilice el siguiente código VESA cuando compre el soporte de montaje en brazo. . .

Para fijar el soporte con seguridad, utilice tornillos de la longitud indicada en la ilustración.



• 19HFL5114W - VESA MIS-F 75x75, M4

Se instala con barra de sujeción: (mínimo 14mm, máximo 16mm)

Se instala sin barra de sujeción: (mínimo 8mm, máximo 10mm)

#### Precaución

El montaje en brazo requiere conocimientos técnicos y solo puede llevarlo a cabo el personal cualificado. Además, el montaje en brazo debe cumplir los requisitos de seguridad correspondientes al peso del televisor. Antes de colocarlo, lea también las precauciones de seguridad.

TP Vision Europe B.V. no asume ninguna responsabilidad por el montaje inadecuado del televisor ni por cualquier montaje que provoque accidentes o lesiones.

#### Nota

Antes de montar el televisor en el brazo, retire los tornillos VESA del panel posterior.

#### Advertencia

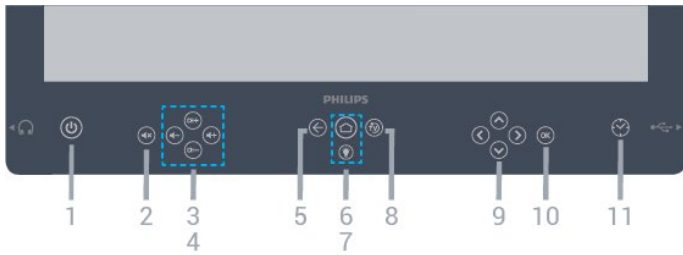
Siga todas las instrucciones suministradas con el soporte del televisor. TP Vision Europe B.V. no asume ninguna responsabilidad por el montaje inadecuado del televisor que provoque accidentes, lesiones o daños.

Para evitar que se produzcan daños en los cables y los conectores, deje al menos un espacio de 5,5 cm (2,2 pulgadas) desde la parte posterior del televisor.

Antes de montar el televisor en el brazo, busque la longitud correcta del tornillo. Para encontrar la longitud del tornillo, añada el grosor del soporte del brazo a la longitud del tornillo.

# Botones del TV

Utilice el teclado frontal para controlar el funcionamiento en pantalla. El teclado consta de los siguientes botones:



1. Encendido: Para encender el televisor o volver al modo de espera.
2. Silenciar: Para silenciar el sonido o restaurarlo.
3. Canal CH+/-: Para cambiar al canal anterior o siguiente de la lista de canales.
4. Volumen : Para ajustar el nivel volumen.
5. Atrás: Para volver al canal seleccionado anteriormente. Para volver al menú anterior.
6. Inicio : Para abrir el menú de inicio.
7. Brillo: Para ajustar el brillo de la luz en la parte inferior del televisor.
8. Salir: Para seguir viendo la televisión.
9. Flechas/botones de desplazamiento: Para desplazarse hacia arriba , abajo , izquierda o derecha .
10. OK: Para confirmar una selección o ajuste.
11. Reloj: Para mostrar la hora actual. Para ajustar el reloj despertador.

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# Encendido y apagado

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## 5.1

### Encendido o modo de espera

Asegúrese de que el televisor esté conectado a la toma de alimentación de CA. Conecte el cable de alimentación proporcionado al conector de la toma de CA situado en la parte posterior del televisor.




#### Activar

Pulse  en el televisor para encenderlo.

#### Cambio al modo de espera

Cambie el televisor al modo de espera cuando no lo utilice.

Para activar el modo de espera, pulse  en el televisor.

En el modo de espera, el televisor sigue conectado a la red eléctrica pero consume muy poca energía.

Para apagar el televisor completamente, desenchufe el cable de alimentación de la toma de corriente. Cuando desenchufe el cable de alimentación, tire siempre de la clavija, nunca del cable. Asegúrese de poder acceder sin dificultad a la clavija de alimentación, al cable de alimentación y a la toma de corriente en todo momento.

Utilice el adaptador de corriente que se incluye con el televisor.

Marca: FSP

Modelo: FSP065M-DHA (salida: 12 V de CC, 5,42 A máx.)



# Accesorios

## 6.1

### Medio ambiente

#### Ficha del producto

##### 19HFL5114W

- Clase de eficiencia energética: A
- Tamaño de pantalla visible: 47 cm (19 pulgadas)
- Consumo de energía (W) en modo encendido: 15 W
- Consumo anual de energía (kWh)\*: 22 kWh
- Consumo de energía (W) en modo de espera\*: 0,5 W
- Resolución de pantalla (píxeles): 1366 x 768p
- Corriente nominal: 12 V de CC, 24 W máx.

\*Consumo anual de energía en kWh, basado en el consumo de un televisor en funcionamiento 4 horas al día durante 365 días. El consumo real de energía dependerá del uso que se haga del televisor.

- Número de registro de EPREL: 341539

#### Fin de la vida útil

Cómo deshacerse del producto antiguo y de las pilas

Este producto se ha diseñado y fabricado con materiales y componentes de alta calidad, que se pueden reciclar y volver a utilizar.



Cuando aparece este símbolo de cubo de basura tachado en un producto, significa que cumple la directiva europea 2012/19/UE.



Infórmese acerca del sistema de reciclaje de productos eléctricos y electrónicos de su localidad.

Cumpla la legislación local y no deseche los productos usados con la basura normal del hogar. El desecho correcto del producto usado ayuda a evitar consecuencias potencialmente negativas para el medio ambiente y la salud humana.

El producto contiene pilas cubiertas por la directiva europea 2006/66/CE, que no se pueden eliminar con la basura doméstica normal.



Infórmese sobre la legislación local sobre la recogida de pilas. La eliminación correcta ayuda a evitar consecuencias negativas para el medio ambiente y la salud humana.

## 6.2

### Sistema operativo

Android OS:

Android Pie 9

## 6.3

### Tipo de pantalla

Tamaño de pantalla diagonal

- 47 cm (19 pulgadas)

Resolución de la pantalla

- 1366 x 768

## 6.4

### Resolución de entrada de la pantalla

Formatos de vídeo

Resolución: frecuencia de actualización

- 480i - 60 Hz
- 480p - 60 Hz
- 576i - 50 Hz
- 576p - 50 Hz
- 720p - 50 Hz, 60 Hz
- 1080i - 50 Hz, 60 Hz
- 1080p: 24 Hz, 25 Hz, 30 Hz


Formatos informáticos

Resoluciones (entre otras)

- 640 x 480 - 60 Hz
- 800 x 600 - 60 Hz
- 1024 x 768 - 60 Hz
- 1280 x 768 - 60 Hz
- 1360 x 765 - 60 Hz
- 1360 x 768 - 60 Hz
- 1280 x 1024 - 60 Hz
- 1920 x 1080 - 60 Hz

## Conectividad

### Parte posterior del televisor

- Entrada HDMI – ARC – Ultra HD
- Antena (75 ohmios)
- Red LAN: RJ45
- 8  Salida de baño
- Conector de datos RJ-48

### Parte lateral del televisor

- USB – USB 2.0
- Auriculares: miniconector estéreo de 3,5 mm

## Dimensiones y pesos

### 19HFL5114W

- Sin soporte de TV:

Anchura: 468,8 mm – Altura: 326,4 mm – Profundidad: 38,9 mm – Peso: ± 3,35 kg

- Con soporte de TV:

Anchura: 468,8 mm – Altura: 370,2 mm – Profundidad: 44,9 mm – Peso: ± 3,65 kg

## Sonido

- Potencia de salida (RMS): 5 W (2,5 W x 2)
- Dolby Audio
- DTS HD

# Conexión de dispositivos

## Conexión de dispositivos

### Guía de conectividad

Conecte los dispositivos al televisor siempre con la conexión de mayor calidad posible. Además, utilice cables de alta calidad para garantizar una buena transferencia de imagen y sonido.

Cuando se conecta un dispositivo, el televisor reconoce su tipo y le otorga un nombre de tipo correcto. Puede cambiar el nombre del tipo si lo desea. Si se ha establecido un nombre de tipo correcto para un dispositivo, el televisor cambia automáticamente a la configuración idónea del televisor cuando se cambia a ese dispositivo en el menú Fuentes.




### Puerto de la antena




Si dispone de un receptor o grabador digital, conecte los cables de antena para transmitir la señal de antena a través del receptor o grabador en primer lugar antes de que llegue al televisor. De esta forma, la antena y el receptor digital podrán enviar los posibles canales adicionales para que se graben en el grabador.

### Puertos HDMI

#### Control de dispositivos

Para controlar un dispositivo conectado mediante HDMI y configurarlo con EasyLink, seleccione el dispositivo (o su actividad) en la lista de conexiones del televisor.

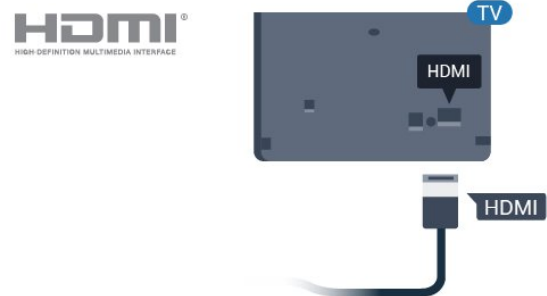
Modo profesional desactivado – Pulse  Inicio, seleccione  Aplicaciones, seleccione  SOURCES. Seleccione un dispositivo conectado a una conexión HDMI y pulse OK.

Modo profesional activado – Pulse  Inicio, seleccione  Canales de televisión, seleccione  Fuentes. Seleccione un dispositivo conectado a una conexión HDMI y pulse OK.

### Calidad HDMI

La conexión HDMI ofrece la mejor calidad de imagen y sonido. Un cable HDMI combina señales de vídeo y audio. Utilice un cable HDMI para señales de televisión.

Para una calidad óptima de la transferencia de la señal, emplee un cable HDMI de alta velocidad y no use un cable HDMI de más de 5 m de largo.



### Protección contra copia

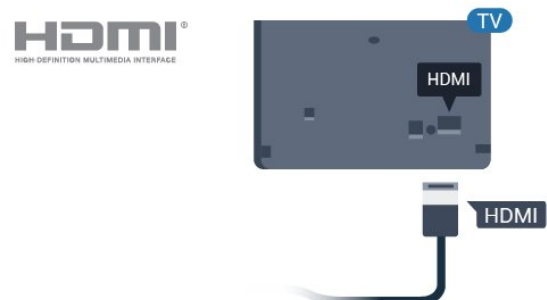
Los cables HDMI admiten la protección de contenido digital de banda ancha (HDCP). HDCP es una señal de protección contra copia que impide copiar contenidos de DVD o Blu-ray Disc. Esta tecnología también es conocida como gestión de derechos digitales (DRM, del inglés Digital Rights Management).

### HDMI ARC

Todas las conexiones HDMI del televisor tienen **HDMI ARC** (canal de retorno de audio).

Si el dispositivo, normalmente un sistema de cine en casa (HTS), también dispone de conexión HDMI ARC, conéctelo a cualquiera de las conexiones HDMI del televisor. Con la conexión HDMI ARC, no es necesario conectar un cable de audio adicional para que envíe el sonido de la imagen del televisor al sistema de cine en casa. La conexión HDMI ARC combina ambas señales.

Puede utilizar cualquier conexión HDMI del televisor para conectar el sistema de cine en casa, pero el ARC solo está disponible para un dispositivo o una conexión al mismo tiempo.

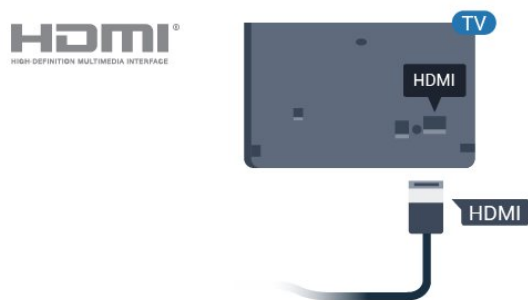


## HDMI CEC: EasyLink

La conexión HDMI ofrece la mejor calidad de imagen y sonido. Un cable HDMI combina señales de vídeo y audio. Utilice un cable HDMI para señales de televisión de alta definición (HD). Para una calidad óptima de la transferencia de la señal, emplee un cable HDMI de alta velocidad y no use un cable HDMI de más de 5 m de largo.

Conecte dispositivos compatibles con HDMI CEC a su televisor.

Debe activar EasyLink HDMI-CEC en el televisor y el dispositivo conectado.



### Nota:

- EasyLink podría no funcionar con dispositivos de otras marcas.
- La funcionalidad HDMI-CEC posee diferentes nombres en función de la marca. Algunos ejemplos son: Anynet, Aquos Link, Bravia Theatre Sync, Kuro Link, Simplink y Viera Link. No todas las marcas son totalmente compatibles con EasyLink. Los nombres de marcas de HDMI CEC de ejemplo son propiedad de sus respectivos propietarios.

## Activación o desactivación de EasyLink

Puede activar o desactivar EasyLink. El televisor viene con los ajustes de EasyLink activados.

Para desactivar EasyLink completamente:

Modo profesional desactivado — Pulse / Inicio. Pulse (abajo), seleccione **Ajustes** y pulse OK.

Seleccione **Fuentes** > **EasyLink** y pulse OK .

Seleccione **EasyLink** y pulse OK.

Seleccione **Apagado** y pulse OK.

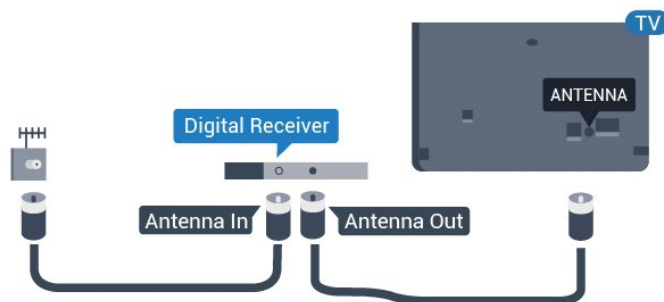
Pulse BACK varias veces si fuera necesario para cerrar el menú.

Modo profesional activado — Consulte el manual de instalación.

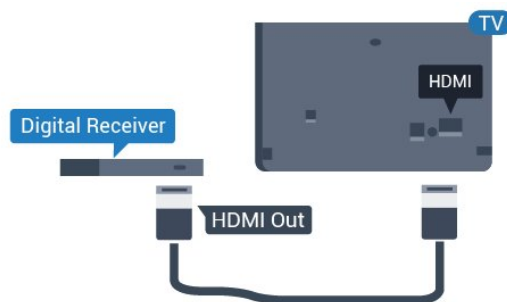
## 7.2

### Receptor digital (STB)

Utilice dos cables de antena para conectar la antena del receptor por cable (receptor digital) y el televisor.



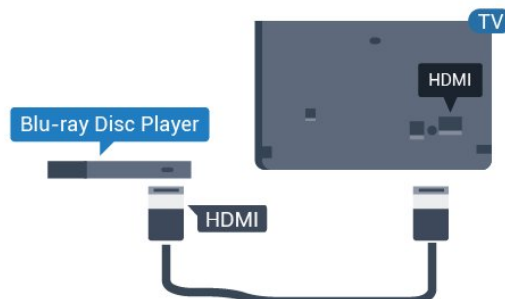
Junto al conector de la antena, añada un cable HDMI para conectar el receptor digital al televisor.



## 7.3


### Reproductor Blu-ray Disc

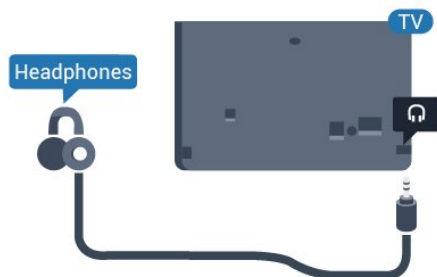
Utilice un cable HDMI de alta velocidad para conectar el reproductor Blu-ray Disc al televisor.



Si el reproductor Blu-ray Disc cuenta con EasyLink HDMI CEC.

## Auriculares

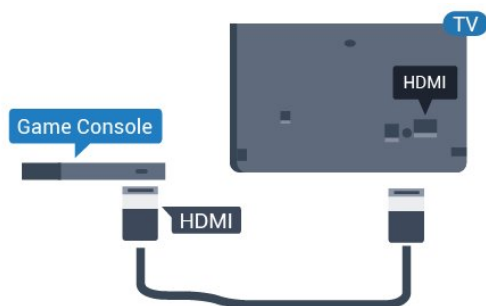
Puede conectar unos auriculares a la conexión  de la parte posterior del televisor. La conexión es un miniconector de 3,5 mm. Puede ajustar el volumen de los auriculares de forma independiente.



## Consola de juegos

### HDMI

Para disfrutar de una calidad óptima, conecte la consola de juegos al televisor mediante un cable HDMI de alta velocidad.



## Unidad flash USB

Puede ver fotos o reproducir vídeos y música desde una unidad flash USB conectada.

Inserte una unidad flash USB en una de las conexiones USB del televisor mientras está encendido.



El televisor detecta la unidad flash y abre una lista





que muestra su contenido. Si la lista de contenidos no aparece automáticamente:


Modo profesional

desactivado – Pulse  /  Inicio

, seleccione 

Aplicaciones, seleccione  **Fuentes**. Seleccione USB y pulse **OK**.

Modo profesional activado – Pulse  /  Inicio, seleccione **Canales de televisión**  , seleccione  **Fuentes** . Seleccione **USB** y pulse **OK**.

Para dejar de ver el contenido de la unidad flash USB, pulse  o seleccione otra actividad.

Para desconectar la unidad flash USB, puede extraerla en cualquier momento.

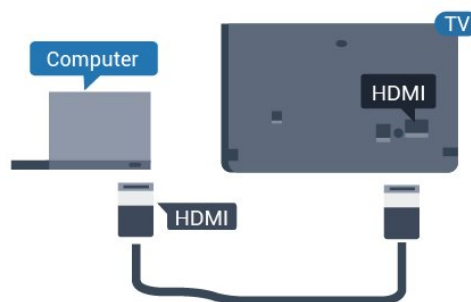
## Ordenador

### Conectar

Puede conectar el ordenador al televisor y utilizar el televisor como monitor de PC.

Con HDMI




Utilice un cable HDMI para conectar el ordenador al televisor.




### Ajuste óptimo


Si conecta un ordenador, le recomendamos que asigne el nombre de tipo de dispositivo correcto a la conexión en la que va a conectar el ordenador en el Menú de fuentes. Si cambia a **Ordenador** en el Menú de fuentes, el televisor se establecerá en el ajuste óptimo para ordenador automáticamente.

Para configurar el ajuste óptimo del televisor:




Modo profesional desactivado – Pulse  /  Inicio. Pulse , seleccione **Ajustes** y pulse **OK**.

Seleccione **Imagen** y pulse  (derecha) para acceder al menú. Seleccione **Estilo de imagen** > **Ordenador** y pulse **OK**.

Seleccione **Encendido** o **Apagado** y pulse **OK**.

Pulse , varias veces si fuera necesario, para cerrar el menú.


Modo profesional

activado — Pulse  /  Inicio > 

Más >  **Ajustes** >  **Imagen**. Pulse **OK**.

Seleccione **Estilo de imagen** > **Ordenador** y pulse **OK**.

Seleccione **Encendido** o **Apagado** y pulse **OK**.

Pulse , varias veces si fuera necesario, para cerrar el menú.

(Para obtener información sobre el modo profesional, consulte el manual de instalación).

# Vídeos, fotos y música

## 8.1

### Desde una conexión USB

Puede ver fotos o reproducir vídeos y música desde una unidad flash USB o unidad de disco duro USB conectada.

Con el televisor encendido, conecte una unidad flash USB o un disco duro USB a una de las conexiones USB. El televisor detecta el dispositivo y muestra una lista de los archivos multimedia.

Si la lista de archivos no aparece automáticamente:

- 1 - Pulse Inicio, seleccione **Canales de televisión** .
- 2 - Seleccione USB y pulse **OK**.
- 3 - Puede explorar los archivos de la estructura de carpetas que tenga organizada en la unidad.
- 4 - Para detener la reproducción de vídeos, fotos y música, pulse .

## 8.2

### Reproducción de vídeos

#### Reproducción de vídeos

Apertura de la carpeta de vídeos

- 1 - Pulse / Inicio, seleccione **Canales de televisión** .
- 2 - Seleccione USB , seleccione Vídeos y pulse **OK**.

Para volver a la carpeta, pulse .

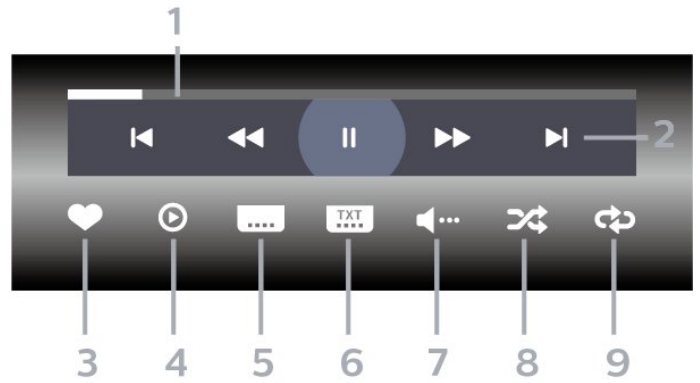
Reproducción de vídeos

- 1 - Pulse / Inicio, seleccione **Canales de televisión** .
- 2 - Seleccione USB , seleccione Vídeos y pulse **OK**.
- 3 - Seleccione uno de los vídeos.

Para realizar una pausa en el vídeo, pulse **OK**. Pulse **OK** de nuevo para continuar.

#### Barra de control

Para mostrar u ocultar la barra de control mientras se reproduce un vídeo, pulse **OK**.



- 1 - Barra de progreso
- 2 - Barra de control de reproducción
  - : Saltar al vídeo anterior de una carpeta
  - : Saltar al vídeo siguiente de una carpeta
  - : Retroceder
  - : Avanzar rápido
  - : Poner en pausa la reproducción

- 3 - Marcar como favorito
- 4 - Reproducir todos los vídeos
- 5 - Subtítulos: para activar o desactivar los subtítulos, o activarlos si no hay sonido.
- 6 - Idioma de subtítulos: seleccione un idioma para los subtítulos (no disponible con el modo profesional activado).
- 7 - Idioma de audio: seleccione un idioma de audio
- 8 - Aleatorio: reproduce los archivos en orden aleatorio.
- 9 - Repetir: reproduce todos los vídeos de la carpeta una sola vez o de forma continua.

## 8.3

### Visualización de fotos

#### Visualización de fotografías

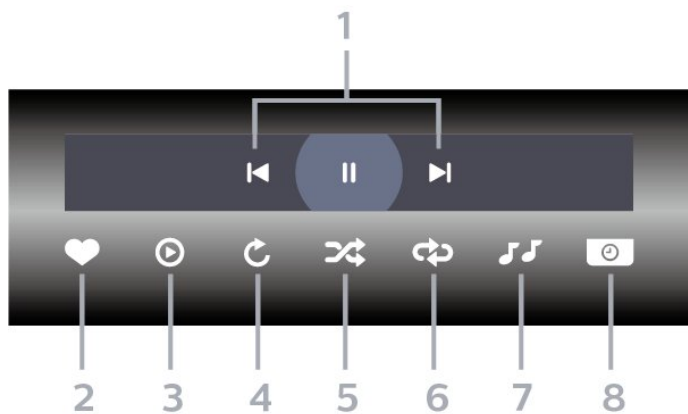
Apertura de la carpeta de fotos

- 1 - Pulse / Inicio, seleccione **Canales de televisión** .
- 2 - Seleccione USB , seleccione Fotos y pulse **OK**.

Visualización de fotografías

- 1 - Pulse / Inicio, seleccione **Canales de televisión** .
- 2 - Seleccione USB , seleccione Fotos y pulse **OK**.
- 3 - Seleccione **Fotos** y seleccione una de las fotos.

#### Barra de control



- 1 - Barra de control de reproducción
- ◀: Saltar a la foto anterior de una carpeta
  - ▶: Saltar a la foto siguiente de una carpeta
  - ||: Poner en pausa la reproducción de la secuencia de diapositivas

- 2 - Marcar como favorito
- 3 - Iniciar una secuencia de diapositivas
- 4 - Girar la foto
- 5 - Aleatorio: reproduce los archivos en orden aleatorio.
- 6 - Repetir: reproduce todas las fotos de la carpeta una sola vez o de forma continua.
- 7 - Detiene la reproducción de música en segundo plano (no disponible con el modo profesional activado)
- 8 - Ajusta la velocidad de la secuencia de diapositivas.

## Visualización de fotos de 360 grados

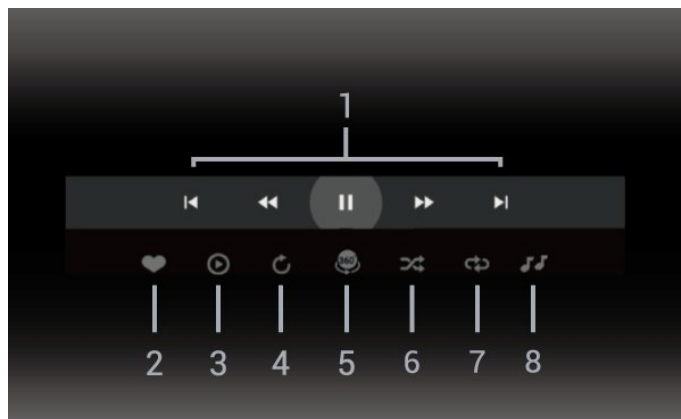
### Apertura de la carpeta de fotos de 360 grados

- 1 - Pulse / Inicio, seleccione Canales de televisión .
- 2 - Seleccione Dispositivos USB y pulse (derecha) para seleccionar el dispositivo USB que necesite.
- 3 - Seleccione Fotos de 360 grados.

### Visualización de una foto de 360 grados

- 1 - Pulse / Inicio, seleccione Canales de televisión .
- 2 - Seleccione Dispositivos USB y pulse (derecha) para seleccionar el dispositivo USB que necesite.
- 3 - Seleccione Fotos de 360 grados y seleccione una de las fotos.

### Barra de control



- 1 - Barra de control de reproducción
- ◀: Saltar a la foto anterior de una carpeta
  - ▶: Saltar a la foto siguiente de una carpeta
  - ◀◀: Rebobinar reproducción a velocidad 2x, 4x o 32x
  - ▶▶: Retroceder reproducción a velocidad 2x, 4x o 32x
  - ||: Poner en pausa la reproducción

- 2 - Marcar como favorito
- 3 - Reproducir uno/reproducir todo: reproduce una o todas las fotos de esta carpeta.
- 4 - Modo manual/Modo auto.: cuando se inicie el reproductor de 360 grados, empezará a mostrar la foto seleccionada de izquierda a derecha (de 0 a 360 grados) en vista de 360 grados.
- 5 - Vista Little Planet: Pequeño planeta es una vista distinta y divertida de las fotos de 360 grados. Cuando se inicia la vista Little Planet, la foto de 360 grados se representa en una vista en forma de esfera, como un planeta.
- 6 - Aleatorio: reproduce los archivos en orden aleatorio.
- 7 - Repetir: reproduce todas las fotos de la carpeta una sola vez o de forma continua.
- 8 - Detiene la reproducción de música en segundo plano.

### 8.4

## Reproducción de música

### Reproducción de música

#### Apertura de la carpeta de música

- 1 - Pulse Inicio, seleccione Canales de televisión .
- 2 - Seleccione USB Dispositivos, seleccione Música y pulse .

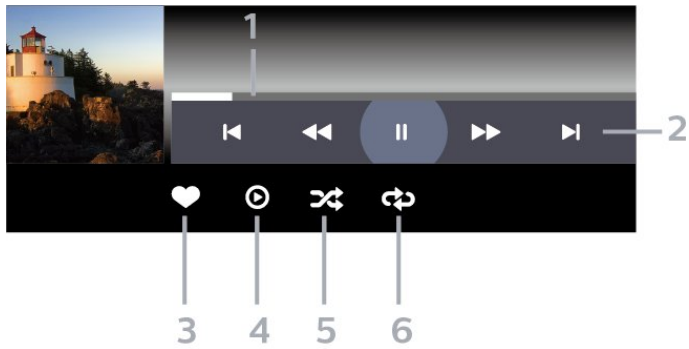
#### Reproducción de música

- 1 - Pulse Inicio, seleccione Canales de televisión .
- 2 - Seleccione USB Dispositivos, seleccione Música y pulse .



3 - Puede buscar rápidamente música mediante la clasificación: Géneros, Artistas, Álbumes y Pistas.

#### Barra de control



1 - Barra de progreso

2 - Barra de control de reproducción

- ⏮: Saltar a la música anterior de una carpeta

- ⏭: Saltar al música siguiente de una carpeta

⏮: Retroceder

⏭: Avanzar rápido

⏸: Poner en pausa la reproducción

3 - Marcar como favorito

4 - Reproducir toda la música

5 - Aleatorio: reproduce los archivos en orden aleatorio.

6 - Repetir: reproduce toda la música de la carpeta una sola vez o de forma continua.

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# Juegos

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## 9.1




### Para jugar a un juego:

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#### Desde una consola de juegos




Para iniciar un juego desde una consola de juegos:

Encienda la consola de juegos.



Modo profesional desactivado – Pulse  /  Inicio, seleccione  Aplicaciones. Seleccione Fuentes y pulse OK.

Inicie el juego.

Pulse  BACK varias veces, pulse  EXIT o detenga la aplicación con su botón para salir/detener específico.

Modo profesional activado – Pulse  /  Inicio, seleccione **Canales de televisión**  y seleccione una consola de juegos o el nombre de la conexión.




Inicie el juego.

Pulse  BACK varias veces, pulse  EXIT o detenga la aplicación con su botón para salir/detener específico.



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#### Por aplicaciones

Para iniciar un juego desde aplicaciones de juegos:



Modo profesional desactivado – Pulse  /  Inicio, seleccione  Aplicaciones y, a continuación, seleccione Google Play Juegos.

Inicie sesión en su cuenta de Google e inicie un juego.

Pulse  BACK varias veces, pulse  EXIT o detenga la aplicación con su botón para salir/detener específico.

Modo profesional activado – Pulse  /  Inicio. Seleccione  Juegos.

Inicie sesión en su cuenta de Google e inicie un juego.

Pulse  BACK varias veces, pulse  EXIT o detenga la aplicación con su botón para salir/detener específico.







# Aplicación de menú profesional

## 10.1






## Acerca de la Aplicación de menú profesional

En la Aplicación de menú profesional, puede iniciar cualquier actividad que pueda hacer con el televisor.

La parte izquierda de la Aplicación de menú profesional está organizada en filas:

- Recomendados 
- Canales de televisión 
- Cast 
- Aplicaciones 
- Juegos 
- Más 

La parte superior derecha de la Aplicación de menú profesional está organizada en filas:



- Gestionar cuenta
- Mensajes  (Esta función opcional depende de los ajustes internos del hotel).
- Factura  (Esta función opcional depende de los ajustes internos del hotel).
- Ajustar alarma 
- Tiempo 
- Idioma del menú 
- Hora actual

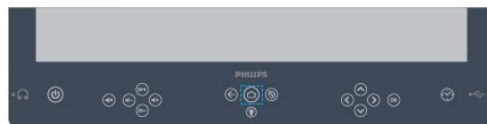
## 10.2

## Apertura de la Aplicación de menú profesional

Modo profesional desactivado: consulte el capítulo "Pantalla de inicio de Android TV".

Modo profesional activado: para abrir la Aplicación de menú profesional y abrir un elemento:

- 1 - Abra la Aplicación de menú profesional pulsando Inicio .
- 2 - Seleccione una actividad utilizando los botones de flecha y pulse **OK** para iniciar la actividad.
- 3 - Para cerrar la Aplicación de menú profesional sin cambiar la actividad actual, pulse .




Al abrir la Aplicación de menú profesional, se detendrá cualquier aplicación o contenido que se reproduzca en segundo plano. Debe seleccionar la aplicación o el contenido en la Aplicación de menú profesional para reanudarlo.

## 10.3

## Canales de televisión

### Visualización de canales


#### Sintonización de un canal

Para ver canales de televisión, pulse . El televisor muestra el último canal visto.

#### Cambio de canal

- Para cambiar de canal, pulse CH +/-.




#### Canal anterior

- Para volver al canal que estaba viendo antes, pulse  **BACK**.

## 10.4

## Juegos

Para abrir la Aplicación de menú profesional y abrir Juegos:







- 1 - Pulse  /  Inicio para abrir la aplicación de menú profesional.
- 2 - Seleccione **Juegos**  y pulse **OK**.

#### Ajustes óptimos para jugar

En algunos juegos en los que se requiere velocidad y precisión, establezca el televisor en el ajuste de **Juego** ideal antes de comenzar a jugar. Si la consola de juegos se ha agregado con el tipo de dispositivo **Juego** en el menú de fuentes (lista de conexiones), el televisor se ajusta automáticamente con la configuración óptima para juegos.

Si el tipo de consola de juegos se establece como **Reproductor** y se utiliza como un reproductor de discos la mayor parte del tiempo, deje el tipo de dispositivo como **Reproductor**.

Para configurar manualmente el ajuste óptimo del televisor. . .

- 1 - Seleccione  /  Inicio >  Más >  Ajustes >  Imagen > Estilo de imagen.
- 2 - Seleccione **Juego** y pulse **OK**.
- 3 - Pulse , varias veces si fuera necesario, para cerrar el menú. No olvide cambiar de nuevo el ajuste Juego u ordenador a Apagado cuando termine de jugar.

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10.5

## Ajustes profesionales


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### Estilo de imagen

#### Selección de un estilo

Pulse  /  Inicio >  Más >  Ajustes >  Imagen > Estilo de imagen.

Para ajustar la imagen fácilmente, puede seleccionar un estilo de imagen preestablecido.

- Personal: las preferencias de imagen que estableció durante la primera puesta en marcha
- Vivo: ideal para la visualización con luz diurna
- Natural: ajuste de imagen natural
-  Estándar - Ajuste con mayor ahorro energético
- Ajuste de fábrica
- Cine: ideal para ver películas
- Juego: ideal para videojuegos
- Ordenador: ideal para conectar al ordenador






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### Formato de imagen

#### Selección del formato de imagen

Si la imagen no llena toda la pantalla o se muestran barras negras en la parte superior o inferior, o a ambos lados, se puede ajustar la imagen para que ocupe toda la pantalla.

Para seleccionar uno de los ajustes básicos para llenar la pantalla:

Pulse  /  Inicio >  Más >  Ajustes >  Formato de imagen.

Las siguientes opciones de formato pueden estar disponibles en función de la imagen en pantalla.

- Pantalla panorámica
- Ocupar pantalla
- Ajustar a pantalla
- Sin escala

---

## Estilo de sonido

#### Selección de un estilo

Pulse  /  Inicio >  Más >  Ajustes >  Sonido > Estilo de sonido.






Para ajustar el sonido fácilmente, puede seleccionar un ajuste preestablecido con Estilo de sonido.

- Personal: se aplicarán los ajustes seleccionados en Personalizar imagen y sonido
- Original: ajuste de sonido más neutro
- Cine: ideal para ver películas
- Música: ideal para escuchar música
- Juego: ideal para videojuegos
- Noticias: ideal para el realce de la voz

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## Idioma

Cambio del idioma del menú y los mensajes del televisor






Pulse  /  Inicio >  Más >  Ajustes >  Idioma del menú.

Seleccione su idioma y pulse **OK**.

---






## Ajustes ecológicos



Establecimiento de pantalla apagada para ahorrar energía

Pulse  /  Inicio >  Más >  Funciones >  Temporizador de reposo > Pantalla apagada.

Si solo desea escuchar música, puede apagar la pantalla del televisor.  
Solo se apagará la pantalla del televisor.

#### Ajuste del temporizador de apagado del televisor

Pulse  /  Inicio >  Más >  Funciones >  Temporizador de reposo > Temporizador de reposo.

Pulse las flechas  (arriba) o  (abajo) para ajustar el valor. El valor 0 (apagado) desactiva la desconexión automática.

Seleccione Temporizador de apagado y el televisor se apagará automáticamente para ahorrar energía.

Si usa el televisor como monitor o emplea un receptor digital (STB) para ver la televisión, debe desactivar el apagado automático, para establecer el valor en 0.

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## Cuenta de Google

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### Iniciar sesión

Para disfrutar de todas las funciones de su Android TV de Philips, puede iniciar sesión en Google con su cuenta de Google.

Si inicia sesión, podrá disfrutar de sus juegos favoritos en el teléfono, la tableta o el televisor. También obtendrá recomendaciones personalizadas de vídeos y música en la pantalla de inicio del televisor, además de acceso a YouTube, Google Play y otras aplicaciones.

Utilice su **cuenta de Google** para iniciar sesión en Google en el televisor. Una cuenta de Google se compone de una dirección de correo electrónico y una contraseña. Si aún no tiene una cuenta de Google, utilice su ordenador o tableta para crear una (accounts.google.com). Si no inició sesión durante la instalación inicial del televisor, puede hacerlo más adelante en cualquier momento.

### Iniciar sesión

Pulse  /  > Abra la pantalla Aplicación de menú profesional.

Seleccione Gestionar cuenta en la parte superior derecha de la pantalla Aplicación de menú profesional y pulse **OK**. Con el teclado en pantalla, introduzca su dirección de correo electrónico y contraseña y pulse el botón **OK** para iniciar sesión.

# Pantalla de inicio de Android TV

## Acerca de la pantalla de inicio de Android TV

Para disfrutar de todas las ventajas de Android TV, conecte el televisor a Internet.

Al igual que en un smartphone o tableta Android, la pantalla de inicio es el corazón de su televisor. En la pantalla de inicio puede decidir lo que quiere ver y explorar opciones de entretenimiento desde una aplicación o una emisión de televisión en directo. La pantalla de inicio tiene canales para que descubra contenido interesante de sus aplicaciones favoritas. También puede añadir más canales o buscar nuevas aplicaciones para disfrutar de más contenido.

## Apertura de la pantalla de inicio de Android TV

Modo profesional activado: consulte el manual de instalación.

Modo profesional desactivado: para abrir la pantalla de inicio de Android TV y abrir un elemento:

- 1 - Pulse Menú, desplácese hasta "Colección de Philips" y, a continuación, pulse OK.
- 2 - Seleccione una actividad utilizando los botones de flecha y pulse **OK** para iniciar la actividad.
- 3 - Para cerrar el menú de inicio sin cambiar la actividad actual, pulse **←**.



Al abrir la pantalla de inicio de Android TV, se detendrá cualquier aplicación o contenido que se reproduzca en segundo plano. Debe seleccionar la aplicación o el contenido en la pantalla de inicio de Android TV para reanudarlo.

## Ajustes de Android TV

### Imagen

#### Ajustes de imagen

##### Estilo de imagen

##### Selección de un estilo

Pulse **Inicio** / **Inicio** > **Ajustes** > **Imagen** > **Estilo de imagen**.

Para ajustar la imagen fácilmente, puede seleccionar un estilo de imagen preestablecido.

- Personal: las preferencias de imagen que estableció durante la primera puesta en marcha
- Vivo: ideal para la visualización con luz diurna
- Natural: ajuste de imagen natural
- **Estándar** - Ajuste con mayor ahorro energético
- Ajuste de fábrica
- Cine: ideal para ver películas
- Juego: ideal para videojuegos
- Ordenador: ideal para conectar al ordenador

#### Color, Contraste, Realce, Brillo

##### Ajuste del color de la imagen

Pulse **Inicio** / **Inicio** Inicio > **Ajustes** > **Imagen** > **Color**.

Pulse las flechas **▲** (arriba) o **▼** (abajo) para ajustar el valor de saturación del color de la imagen.

##### Ajuste del contraste de la imagen

Pulse **Inicio** / **Inicio** Inicio > **Ajustes** > **Imagen** > **Contraste**. Pulse las flechas **▲** (arriba) o **▼** (abajo) para ajustar el valor del contraste de la imagen.

Puede disminuir el valor de contraste para reducir el consumo de energía.



##### Ajuste del realce de la imagen

Pulse **Inicio** / **Inicio** Inicio > **Ajustes** > **Imagen** > **relace**.

Pulse las flechas **▲** (arriba) o **▼** (abajo) para ajustar el valor de realce de la imagen.

##### Ajuste del brillo

Pulse  /  Inicio >  Ajustes > Imagen > Brillo.

Pulse las flechas  (arriba) o  (abajo) para ajustar el nivel de brillo de la señal de la imagen.

**Nota:** El ajuste del brillo a un valor muy alejado del valor de referencia (50) puede reducir el contraste.

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## Ajustes de imagen avanzados

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### Ajustes de color

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#### Ajustes de color avanzados

##### Ajuste de la mejora del color

Pulse  /  Inicio >  Ajustes >

Imagen > Avanzado > Color > Mejora del color.

Seleccione **Máximo**, **Media** o **Mínimo** para ajustar el nivel de intensidad del color y los detalles de los colores claros.

##### Selección de la fase del color preestablecida

Pulse  /  Inicio >  Ajustes >



Imagen > Avanzado > Color > Fase del color.

Seleccione **Normal**, **Cálido** o **Frío** para ajustar la fase del color que prefiera.

##### Personalización de la fase del color

Pulse  /  Inicio >  Ajustes >

Imagen > Avanzado > Color > Fase del color personalizada.

Seleccione **Personalizado** en el menú **Fase del color** para personalizar la fase del color. Pulse las flechas  (arriba) o  (abajo) para ajustar el valor. WP es punto blanco y BL es nivel negro. También puede seleccionar uno de los ajustes preestablecidos de este menú.

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## Ajustes de contraste avanzados

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### Modos de contraste

Pulse  /  Inicio >  Ajustes >

Imagen > Avanzado > Contraste > Modo de contraste.

Seleccione **Normal**, **Optimización de imagen** u **Optimizado para ahorrar energía** para permitir que el televisor reduzca automáticamente el contraste, optimizar el consumo de energía o mejorar la experiencia de imagen, o bien seleccione **Apagado** para desactivar el ajuste.

---

## Contraste dinámico

Pulse  /  Inicio >  Ajustes >

Imagen > Avanzado > Contraste > Contraste dinámico.

Seleccione **Máximo**, **Media** o **Mínimo** para definir el nivel al que el televisor realiza automáticamente los detalles de las zonas oscuras, intermedias y claras de la imagen.



---

## Contraste de vídeo, Gamma

### Contraste de vídeo

Pulse  /  Inicio >  Ajustes >



Imagen > Avanzado > Contraste > Contraste de vídeo.

Pulse las flechas  (arriba) o  (abajo) para ajustar el nivel de contraste de vídeo.

### Gamma

Pulse  /  Inicio >  Ajustes >

Imagen > Avanzado > Contraste > Gamma.

Pulse las flechas  (arriba) o  (abajo) para establecer un ajuste no lineal de luminancia y contraste de la imagen.

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## Ajustes avanzados de realce

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### Nitidez de imagen

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#### Reducción de ruido

Pulse  /  Inicio >  Ajustes > Imagen >




Avanzado > Nitidez de imagen > Reducción del ruido.

Seleccione **Máximo**, **Medio** o **Mínimo** para ajustar el nivel de eliminación de ruido en contenidos de vídeo.

El ruido se percibe principalmente como pequeños puntos que se mueven a través de la imagen en pantalla.

---

## Reducción de distorsiones de MPEG

Pulse  /  Inicio >  Ajustes > Imagen >

Avanzado > Nitidez de imagen > Reducción de distorsiones de MPEG.

Seleccione **Máximo**, **Medio** o **Mínimo** para disfrutar de distintos grados de suavizado de las distorsiones en contenidos de vídeo digital.

Las distorsiones de MPEG se perciben principalmente





como pequeños bloques o bordes irregulares en las imágenes en pantalla.

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## Formato de imagen

Si la imagen no llena toda la pantalla o se muestran barras negras en la parte superior o inferior, o a ambos lados, se puede ajustar la imagen para que ocupe toda la pantalla.

Para seleccionar uno de los ajustes básicos para llenar la pantalla:

- 1 - Mientras ve un canal de televisión, pulse  /  Inicio >  Ajustes > Imagen > Formato de imagen.
- 2 - Seleccione un formato de la lista y pulse OK.
- 3 - Pulse  BACK varias veces si fuera necesario para cerrar el menú.

Las siguientes opciones de formato pueden estar disponibles en función de la imagen en pantalla: . .

- Pantalla panorámica
- Ocupar pantalla
- Ajustar a pantalla
- Sin escala

---

## Sonido

### Estilo de sonido

#### Selección de un estilo

Pulse  /  Inicio >  Ajustes > Sonido > Estilo de sonido.




Para ajustar el sonido fácilmente, puede seleccionar un ajuste preestablecido con Estilo de sonido.

- Personal: se aplicarán los ajustes seleccionados en Personalizar imagen y sonido
- Original: ajuste de sonido más neutro
- Cine: ideal para ver películas
- Música: ideal para escuchar música
- Juego: ideal para videojuegos
- Noticias: ideal para el realce de la voz

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### Gestión del sonido

#### Seleccione un dispositivo.

Pulse  /  Inicio >  Ajustes > Sonido > Gestión del sonido.

Configure los dispositivos de salida de audio.




- Altavoces del televisor: configure el televisor para que el sonido se reproduzca en el televisor o en el sistema de audio conectado.
- Auriculares/Altavoces para baño: Encendido/Apagado.
- Volumen fijo en auriculares/altavoz de cuarto de

baño: cuando esta función está habilitada, el nivel de volumen de los auriculares/altavoz de cuarto de baño se fijará en el ajuste de encendido.

- Detección de auriculares: Encendido/Apagado.

---

### Ubicación del TV

Pulse  /  Inicio >  Ajustes > Sonido > Ubicación del televisor.




Seleccione En un soporte de TV o En la pared para optimizar la reproducción de sonido en función del entorno.

---



### Avanzado

## Ajustes ecológicos

### Temporizador

Pulse  /  Inicio >  Ajustes > Ajustes ecológicos > Temporizador de reposo.

Configure el televisor de forma que cambie al modo en espera tras un tiempo predefinido. Para desactivar esta función, establezca el tiempo en cero.




Pulse las flechas  (arriba) o  (abajo) para ajustar el valor. El valor 0 (apagado) desactiva la desconexión automática.

Seleccione Temporizador de apagado y el televisor se apagará automáticamente para ahorrar energía.

Si usa el televisor como monitor o emplea un receptor digital (STB) para ver la televisión, debe desactivar el apagado automático, para establecer el valor en 0.

---

### Pantalla apagada

Pulse  /  Inicio >  Ajustes > Ajustes ecológicos > Pantalla apagada.

Si solo desea escuchar música, puede apagar la pantalla del televisor. Solo se apagará la pantalla del televisor.

---

## Región e idioma

### Idiomas

Pulse  /  Inicio >  Ajustes > Región e idioma > Idiomas.

Establezca la configuración de región o idioma.

- Sistema Android/idioma del menú: permite cambiar el idioma de los menús y los mensajes.
- Idioma de audio principal: seleccione su preferencia






principal para el idioma de audio de las emisiones.




- Idioma de audio secundario: seleccione su preferencia secundaria para el idioma de audio de las emisiones.
- Idioma de subtítulos principal: seleccione su preferencia principal para el idioma de los subtítulos de las emisiones.
- Idioma de subtítulos secundario: seleccione su preferencia secundaria para el idioma de los subtítulos de las emisiones.
- Idioma de teletexto principal: seleccione su preferencia principal para el idioma del teletexto de las emisiones.
- Idioma de teletexto secundario: seleccione su preferencia secundaria para el idioma del teletexto de las emisiones.

---




## Ajustes de Acceso universal

Pulse  /  Inicio >  Ajustes > Accesibilidad > Acceso universal.

Con la opción Acceso universal activada, el televisor está preparado para que lo utilicen personas con deficiencias auditivas o visuales.




Activación de los ajustes de Acceso universal  
Pulse  /  Inicio >  Ajustes > Accesibilidad > Acceso universal > Encendido.

Acceso universal para personas con deficiencias auditivas


Pulse  /  Inicio >  Ajustes > Accesibilidad > Acceso universal > Deficiente auditivo > Encendido.



- Algunos canales de televisión digitales emiten subtítulos y audio especiales adaptados para las personas con deficiencias auditivas.
- Con esta opción activada, el televisor activa automáticamente el audio y los subtítulos adaptados, si están disponibles.

Acceso universal para personas con deficiencias visuales

Pulse  /  Inicio >  Ajustes > Accesibilidad > Acceso universal > Audiodescripción > Audiodescripción > Encendido.

Los canales de televisión digital pueden emitir comentarios de audio especiales que describen lo que se muestra en la pantalla.

 Ajustes > Accesibilidad > Acceso universal > Audiodescripción > Volumen mezclado, Efectos de audio, Voz.

- Si selecciona Volumen mezclado, puede mezclar el volumen del audio normal con los comentarios de audio. Pulse las flechas  (arriba) o  (abajo)

para ajustar el valor.

- Establezca Efectos de audio en Encendido para disfrutar de efectos de audio adicionales en el audio de los comentarios, como estéreo o atenuación de sonido.
- Seleccione Voz para ajustar la preferencia de voz, Descriptivo o Subtítulos.

---

## Clasificación de contenido

### Nivel de clasificación

Pulse  /  Inicio >  Ajustes > Clasificación de contenido.

Para impedir que los niños vean un programa inadecuado para su edad, puede establecer una clasificación por edades. Los canales digitales pueden tener sus programas clasificados por edades. Cuando la clasificación por edades de un programa es igual o superior a la edad que ha configurado como clasificación por edades para su hijo, el programa se bloquea. Para ver un programa bloqueado, primero debe introducir el código.

Para establecer una clasificación por edades

Pulse  /  Inicio >  Ajustes > Clasificación de contenido > Nivel de clasificación.

Seleccione la edad y pulse OK. Para desactivar la clasificación por edades, seleccione Ninguno. No obstante, en algunos países se debe establecer una clasificación por edades.

---

### Establecer código y Cambiar código

Pulse  /  Inicio >  Ajustes > Clasificación de contenido.

El código de bloqueo infantil se utiliza para bloquear o desbloquear canales o programas.

Establezca un código nuevo o restablezca el cambio de código.

Pulse  /  Inicio >  Ajustes > Clasificación de contenido > Cambiar código.

**Nota:**

Si ha olvidado el código PIN, puede anular el código actual con 8888 e introducir un nuevo código.

# Conexión del Android TV

## Red e Internet

### Red doméstica

Para disfrutar de todas las funciones de su Android TV de Philips, primero debe conectar el televisor a Internet.

Conecte el televisor a una red doméstica mediante una conexión a Internet de alta velocidad. Puede conectar el televisor de forma inalámbrica o por cable al router de red.

### Conectar a la red

#### Conexión inalámbrica

##### Qué necesita

Para conectar el televisor a Internet de forma inalámbrica, se necesita un router Wi-Fi con conexión a Internet.

Utilice una conexión a Internet de alta velocidad (banda ancha).



### Establecimiento de la conexión

#### Establecimiento de la conexión: INALÁMBRICA

Pulse / Inicio > Ajustes > Inalámbrico y redes > Conectar a la red > INALÁMBRICA.

- 1 - En la lista de redes encontradas, seleccione la suya. Si su red no aparece en la lista porque el nombre de red está oculto (ha desactivado la emisión de SSID del router), seleccione Añadir nueva red para introducir el nombre de la red.
- 2 - En función del tipo de router, introduzca la clave de cifrado: WEP, WPA o WPA2. Si ha introducido la clave de cifrado de esta red con anterioridad, puede seleccionar OK para establecer la conexión inmediatamente.
- 3 - Se mostrará un mensaje cuando la conexión se realice correctamente.

### Establecimiento de la conexión: WPS

Pulse / Inicio > Ajustes > Inalámbrico y redes > Conectar a la red > WPS.

Si el router tiene WPS, puede conectarse directamente al router sin búsqueda de redes. Si hay dispositivos en la red inalámbrica que utilizan el sistema de cifrado de seguridad WEP, no puede utilizar WPS.

- 1 - Vaya al router, pulse el botón WPS y vuelva al televisor antes de que transcurran 2 minutos.
- 2 - Seleccione Conectar para realizar la conexión.
- 3 - Se mostrará un mensaje cuando la conexión se realice correctamente.

### Establecimiento de la conexión: WPS CON CÓDIGO PIN

Pulse / Inicio > Ajustes > Inalámbrico y redes > Conectar a la red > WPS CON CÓDIGO PIN.

Si el router tiene WPS con código PIN, puede conectarse directamente al router sin búsqueda de redes. Si hay dispositivos en la red inalámbrica que utilizan el sistema de cifrado de seguridad WEP, no puede utilizar WPS.

- 1 - Anote el código PIN de 8 dígitos que se muestra en la pantalla e introdúzcalo en el software del router en el ordenador. Consulte el manual del router para saber dónde se debe introducir el código PIN en el software del router.
- 2 - Seleccione Conectar para realizar la conexión.
- 3 - Se mostrará un mensaje cuando la conexión se realice correctamente.

### Problemas

#### No se encuentra la red inalámbrica o ésta pierde calidad

- Los hornos microondas, los teléfonos DECT y otros dispositivos Wi-Fi 802.11b/g/n/ac cercanos pueden alterar la red inalámbrica.
- Asegúrese de que los firewalls de la red permitan al televisor acceder a la conexión inalámbrica.
- Si la red inalámbrica no funciona correctamente en su casa, pruebe con la instalación de la red con cable.

#### Internet no funciona

- Si la conexión al router es correcta, compruebe la conexión del router a Internet.

#### El PC y la conexión a Internet son lentos

- Consulte en el manual de usuario de su router inalámbrico el alcance en interiores, la velocidad de transferencia y otros factores de la calidad de la señal.
- Utilice una conexión a Internet de alta velocidad

(banda ancha) para el router.

## DHCP

• Si falla la conexión, compruebe que el ajuste de DHCP (Protocolo de configuración dinámica de host) del router está activado. DHCP siempre debería estar activado.

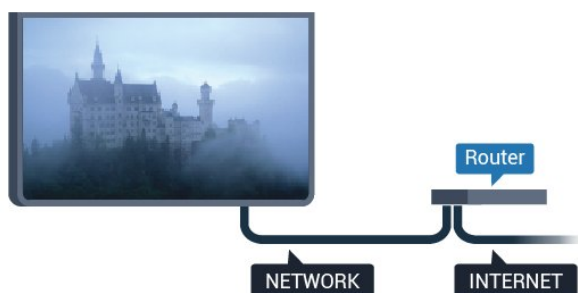
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## Conexión con cable

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### Qué necesita

Para conectar el televisor a Internet, se necesita un router de red con una conexión a Internet. Utilice una conexión a Internet de alta velocidad (banda ancha).



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## Establecimiento de la conexión

### Establecimiento de la conexión: CON CABLE

Pulse / Inicio > Ajustes > Inalámbrico y redes > Conectar a la red > CON CABLE.

- 1 - Conecte el router al televisor mediante un cable de red (cable Ethernet).\*\*
- 2 - Compruebe que el router está encendido.
- 3 - El televisor busca constantemente la conexión de red.
- 4 - Se mostrará un mensaje cuando la conexión se realice correctamente.

Si falla la conexión, compruebe que el ajuste DHCP del router está activado. DHCP siempre debería estar activado.

\*\* Para cumplir con la normativa sobre compatibilidad electromagnética (EMC), utilice un cable Ethernet CAT FTP blindado. Cable Ethernet 5E.

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## Cuenta de Google

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### Iniciar sesión

Para disfrutar de todas las funciones de su Android TV de Philips, puede iniciar sesión en Google con su cuenta de Google.

Si inicia sesión, podrá disfrutar de sus juegos favoritos

en el teléfono, la tableta o el televisor. También obtendrá recomendaciones personalizadas de vídeos y música en la pantalla de inicio del televisor, además de acceso a YouTube, Google Play y otras aplicaciones.

Utilice su **cuenta de Google** para iniciar sesión en Google en el televisor. Una cuenta de Google se compone de una dirección de correo electrónico y una contraseña. Si aún no tiene una cuenta de Google, utilice su ordenador o tableta para crear una (accounts.google.com). Para disfrutar de los juegos de Google Play, se necesita un perfil de Google+. Si no inició sesión durante la instalación inicial del televisor, puede hacerlo más adelante en cualquier momento.

### Iniciar sesión

Pulse Inicio > Aplicaciones > Google Play.

Con el teclado en pantalla, introduzca su dirección de correo electrónico y contraseña y pulse el botón OK para iniciar sesión.

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## Ajustes de Android

Puede ver o establecer información diferente o ajustes específicos de Android. Puede consultar la lista de aplicaciones instaladas en su televisor y el espacio de almacenamiento que necesitan. Con la búsqueda por voz, puede establecer el idioma que desee. Puede configurar el teclado en pantalla o permitir que las aplicaciones utilicen su ubicación. Explore los diferentes ajustes de Android. Puede visitar [www.support.google.com/androidtv](http://www.support.google.com/androidtv) para obtener más información sobre estos ajustes.

### Para abrir estos ajustes

Pulse / Inicio > Ajustes > Ajustes > Ajustes de Android.

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11.5

## Canales

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## Visualización de canales

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### Sintonización de un canal

Para ver canales de televisión, pulse . El televisor muestra el último canal visto.

### Cambio de canal

- Para cambiar de canal, pulse CH+ o CH-.

### Canal anterior

Para volver al canal que estaba viendo antes, pulse BACK.

# Instalación de canales

## Instalación de canales






### Instalación de la conexión por antena/cable

#### Buscar canales

Puede volver a instalar todos los canales y dejar el resto de ajustes del televisor sin tocar.


Si se ha establecido un código PIN, deberá introducir dicho código para poder reinstalar los canales.

Para buscar canales:




- 1 - Pulse  /  Inicio >  Ajustes > Instalar canales y pulse **OK**.
- 2 - Seleccione **RF Instalación de canales** y pulse **OK**.
- 3 - Introduzca el código PIN si es necesario. Seleccione **Buscar canales** y pulse **OK**. Seleccione **Iniciar** y pulse **OK**. Seleccione el país en el que se encuentra en ese momento y pulse **OK**. Seleccione **Iniciar** y pulse **OK**. Seleccione el tipo de instalación que desee, **Antena (DVB-T)** o **Cable (DVB-C)** y pulse **OK**. Seleccione **Siguiente** y pulse **OK**. Seleccione el tipo de canales que desee, **Canales digitales y analógicos** o **Solo canales digitales** y pulse **OK**. Seleccione **Siguiente** y pulse **OK**. Seleccione **Inicio** y pulse **OK** para actualizar los canales digitales. Esto puede tardar unos minutos. Pulse  (izquierda) para retroceder un paso o  BACK para cerrar el menú.



#### Actualización automática de canal

Si recibe canales digitales, puede ajustar el televisor para que actualice automáticamente la lista con los canales nuevos.

Una vez al día, a las seis de la mañana, el televisor actualiza los canales y guarda los nuevos. Los nuevos canales se almacenan en la lista de canales y se marcan con el símbolo . Los canales sin señal se eliminan. El televisor debe estar en modo de espera para llevar a cabo la actualización automática de canales. Puede desactivar la actualización automática de canales.

Para desactivar la actualización automática:






- 1 - Pulse  /  Inicio >  Ajustes > Instalar canales y pulse **OK**.
- 2 - Seleccione **RF Instalación de canales** y pulse **OK**.

- 3 - Introduzca el código PIN si es necesario.
- 4 - Seleccione **Actualización automática de canal** y pulse **OK**.
- 5 - Seleccione **Apagado** y pulse **OK**.
- 6 - Pulse  (izquierda) para retroceder un paso o  BACK para cerrar el menú.

#### Mensaje de actualización de canales

Si se han encontrado nuevos canales o se han actualizado o eliminado canales, aparecerá un mensaje al encender el televisor. Si no desea ver este mensaje tras cada actualización de canales, puede desactivarlo.

Para desactivar el mensaje:





- 1 - Pulse  /  Inicio >  Ajustes > Instalar canales y pulse **OK**.
- 2 - Seleccione **RF Instalación de canales** y pulse **OK**.
- 3 - Introduzca el código PIN si es necesario.
- 4 - Seleccione **Actualización automática de canal** y pulse **OK**.
- 5 - Seleccione **Apagado** y pulse **OK**.
- 6 - Pulse  (izquierda) para retroceder un paso o  BACK para cerrar el menú.

En algunos países, la actualización automática de canales se realiza mientras se ve la televisión o en cualquier momento, cuando el televisor está en modo de espera.

#### Digital: Instalación manual

Los canales de televisión digitales se pueden instalar uno a uno manualmente.

Para instalar canales digitales manualmente:




- 1 - Pulse  /  Inicio >  Ajustes > Instalar canales y pulse **OK**.
- 2 - Seleccione **RF Instalación de canales** y pulse **OK**.
- 3 - Seleccione **Digital: instalación manual** y pulse **OK**.
- 4 - Seleccione **Buscar** y pulse **OK**. Puede introducir una frecuencia manualmente para buscar un canal o dejar que el televisor lo busque. Pulse  (derecha) para seleccionar **Buscar** y pulse **OK** para buscar un canal automáticamente. El canal encontrado se muestra en la pantalla. Si la recepción es deficiente, pulse **Buscar** de nuevo. Si desea memorizar el canal, seleccione **Hecho** y pulse **OK**.

---

## Analógico: Instalación manual

Los canales de televisión analógicos se pueden instalar uno a uno manualmente.

Para instalar canales analógicos manualmente:

1 - Pulse  /  Inicio >  Ajustes > Instalar canales y pulse **OK**.

2 - Seleccione **RF Instalación de canales** y pulse **OK**.


3 - Seleccione **Analógico: instalación manual** y pulse **OK**.

### • Sistema

Para configurar el sistema de televisión, seleccione **Sistema**.

Seleccione el país o región donde se encuentra y pulse **OK**.

### • Buscar canal

Para buscar un canal, seleccione **Buscar canal** y pulse **OK**. Puede introducir una frecuencia manualmente para buscar un canal o dejar que el televisor lo busque. Pulse  (derecha) para seleccionar **Buscar** y pulse **OK** para buscar un canal automáticamente. El canal encontrado se muestra en la pantalla. Si la recepción es deficiente, pulse **Buscar de nuevo**. Si desea memorizar el canal, seleccione **Hecho** y pulse **OK**.

### • Guardar

Puede guardar el canal en el número de canal actual o en uno nuevo.

Seleccione **Guardar canal actual** o **Guardar como canal nuevo** y pulse **OK**. El nuevo número de canal se muestra brevemente.

Puede repetir estos pasos hasta encontrar todos los canales de televisión analógicos disponibles.

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11.7

## Internet

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### Inicio de Internet


Puede navegar por Internet en el televisor. Puede ver cualquier sitio web de Internet, aunque la mayoría de ellos no están preparados para la pantalla del televisor.

- Algunos complementos (para ver páginas o vídeos, por ejemplo) no están disponibles en el televisor.
- No puede enviar o descargar archivos.
- Las páginas de Internet se muestran en una sola página y a pantalla completa.

Para iniciar el navegador de Internet:

1 - Pulse  /  HOME.

2 - Desplácese hacia abajo, seleccione  Aplicaciones >  Internet y pulse **OK**.

3 - Escriba una dirección de Internet, seleccione  y pulse **OK**.

4 - Para cerrar Internet, pulse  /  HOME o .

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11.8



## Software

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### Actualizar software


#### Versión software

Para ver la versión actual del software del televisor:

1 - Pulse  / , seleccione **Ajustes**  y pulse **OK**.

2 - Seleccione **Actualizar software** > **Firmware actual** y pulse **OK**.

3 - Se mostrarán la versión, las notas de la versión y la fecha de creación.

4 - Pulse  (izquierda) varias veces si fuera necesario para cerrar el menú.

---

#### Actualización desde el sitio web

Puede encontrar la versión actual del firmware del televisor en el menú de ajustes en "Actualizar software" > "Firmware actual".

Visite con regularidad [www.philips.com/support](http://www.philips.com/support) para buscar nuevas actualizaciones de firmware.

Siga las instrucciones que aparecen a continuación para actualizar el firmware del televisor.

Descarga del software más reciente:

1 - Inicie Internet Explorer.

2 - Acceda al sitio de asistencia de Philips en la dirección <http://www.philips.com/support>.

3 - Introduzca el número de modelo. (Puede encontrar el número de modelo en la etiqueta de la parte posterior del televisor) )

4 - En la página de producto del televisor, seleccione **Asistencia**.

5 - Seleccione "Actualizaciones de software" y haga clic en "Descargar archivo" para descargar el software. (El software está disponible en un archivo .zip).

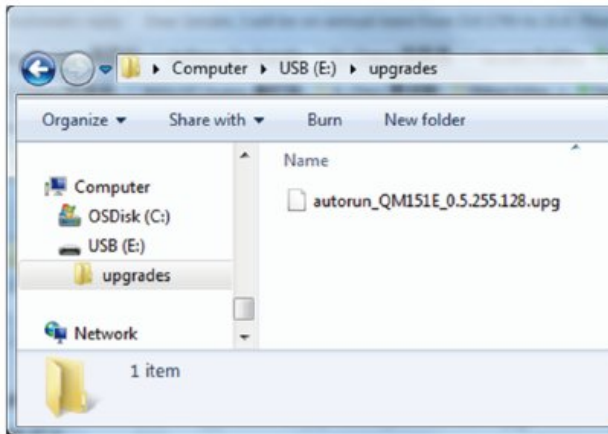
6 - Si la versión de software es superior a la versión instalada en su televisor, haga clic en el enlace de descarga del software.

7 - Acepte el acuerdo de licencia o los términos y condiciones. Para ello, seleccione "Acepto". A continuación, el archivo .zip se descargará automáticamente.

8 - Descomprima el archivo .zip en cualquier directorio utilizando una función de archivo.

9 - Cree una carpeta de actualizaciones con el nombre "upgrades" en el directorio principal de su unidad flash USB.

- 10 - Copie el archivo .upg que ha extraído previamente en la carpeta de actualizaciones, tal y como se indica en la siguiente imagen.
- 11 - Desconecte la unidad flash USB del ordenador.



Actualización del software:

- 1 - Conecte la unidad flash USB (que contiene la actualización de software) al conector USB del televisor. Espere 30 segundos o hasta que el televisor reconozca la unidad USB.
- 2 - Su televisor empezará a cargar la actualización del software automáticamente.
- 3 - Cuando la actualización haya terminado de cargarse, pulse "Iniciar" para activar la actualización del televisor.

# Software de código fuente abierto

## Licencia de código fuente abierto

### Acerca de la licencia de código fuente abierto

Archivo LÉAME sobre el código fuente de las partes del software del televisor de TP Vision Netherlands B.V. que se enmarcan bajo licencias de código abierto.

Este documento describe la distribución del código fuente utilizado en el televisor de TP Vision Netherlands B.V., que se rige por la Licencia Pública General de GNU (GPL), la Licencia Pública General Reducida de GNU (LGPL), o cualquier otra licencia de código abierto. Para saber cómo obtener copias del software, consulte las Instrucciones de uso.

TP Vision Netherlands B.V. NO OFRECE NINGUNA GARANTÍA, NI EXPLÍCITA NI IMPLÍCITA, INCLUIDAS LAS GARANTÍAS DE COMERCIALIZACIÓN O IDONEIDAD PARA UN FIN DETERMINADO, EN LO QUE RESPECTA A ESTE SOFTWARE. TP Vision Netherlands B.V. no ofrece soporte para este software. Lo anteriormente mencionado no afecta a sus garantías o derechos legales relativos a productos de TP Vision Netherlands B.V. que haya adquirido. Únicamente se aplica al código fuente puesto a su disposición.

### Open Source

#### Android (9.0.0)

This tv contains the Android Pie Software. Android is a Linux-based operating system designed primarily for touchscreen mobile devices such as smartphones and tablet computers. This software will also be reused in TPVision Android based TV's. The original download site for this software is :

<https://android.googlesource.com/> This piece of software is made available under the terms and conditions of the Apache license version 2, which can be found below. Android APACHE License Version 2 (<http://source.android.com/source/licenses.html>) This includes all external sources used by official Android AOSP.

#### linux kernel (4.9)

This tv contains the Linux Kernel. The original

download site for this software is :

<http://www.kernel.org/>. This piece of software is made available under the terms and conditions of the GPL v2 license, which can be found below. Additionally, following exception applies : "NOTE! This copyright does \*not\* cover user programs that use kernel services by normal system calls - this is merely considered normal use of the kernel, and does \*not\* fall under the heading of "derived work". Also note that the GPL below is copyrighted by the Free Software Foundation, but the instance of code that it refers to (the linux kernel) is copyrighted by me and others who actually wrote it. Also note that the only valid version of the GPL as far as the kernel is concerned is \_this\_ particular version of the license (ie v2, not v2.2 or v3.x or whatever), unless explicitly otherwise stated. Linus Torvalds"

#### MBED TLS (2.6.0)

Cryptographic and SSL/TLS capabilities used in Hue Streaming feature. The original download site for this software is : <https://tls.mbed.org/>. This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### aacenc (3.3.3)

Encoder AAC Bitstream. The original download site for this software is : <http://c-ares.haxx.se/>. This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### alsa (1.0.24.1)

Advanced Linux Sound Architecture (ALSA). The original download site for this software is : <http://www.alsa-project.org>. This piece of software is made available under the terms and conditions of the LGPL 2.0.1, which can be found below.

#### appweb (4.3.5)

The original download site for this software is : <http://www.appwebserver.org/>. This piece of software is made available under the terms and conditions of the GPL 2.0, which can be found below.

#### atf (1.3)

Arm-Trusted-Firmware. The original download site for this software is : <https://github.com/ARM-software/arm-trusted-firmware>. This piece of software is made available under the terms and conditions of the BSD, which can be found below.

#### bash (3.2.48)

The shell, or command language interpreter. The original download site for this software is : <http://www.gnu.org/software/bash/>. This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found

below.

#### bluetooth\_mw (1.0)

BT Stack. The original download site for this software is : <https://android.googlesource.com/platform/system/bt> .This piece of software is made available under the terms and conditions of the Apache 2.0 license, which can be found below.

#### bluetooth\_stack (1.0)

BT Stack. The original download site for this software is : <https://android.googlesource.com/platform/system/bt> .This piece of software is made available under the terms and conditions of the Apache 2.0 license, which can be found below.

#### bluetooth\_tool (1.0)

BT Stack. The original download site for this software is : <https://android.googlesource.com/platform/system/bt> .This piece of software is made available under the terms and conditions of the Apache 2.0 license, which can be found below.

#### boost (1.15.0)

Mainly use for encfs. The original download site for this software is : <http://www.boost.org/> .This piece of software is made available under the terms and conditions of the Boost Software License - Version 1.0, which can be found below.

#### busybox (1.15.3)

BusyBox combines tiny versions of many common UNIX utilities into a single small executable. The original download site for this software is : <http://www.busybox.net/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### c-ares (1.12.0)

c-ares is a C library that performs DNS requests and name resolves asynchronously. The original download site for this software is : <http://c-ares.haxx.se/> .This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### cJSON (1.7.7)

The original download site for this software is : <http://sourceforge.net/projects/cjson> .This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### coreutils (6.9)

Command like cp dd cat chroot. The original download site for this software is : <http://www.gnu.org/software/coreutils/> .This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### libcurl (7.59.0)

libcurl is a free and easy-to-use client-side URL transfer library, supporting DICT, FILE, FTP, FTPS, Gopher, HTTP, HTTPS, IMAP, IMAPS, LDAP, LDAPS, POP3, POP3S, RTMP, RTSP, SCP, SFTP, SMTP, SMTPS, Telnet and TFTP. libcurl supports SSL certificates, HTTP POST, HTTP PUT, FTP uploading, HTTP form based upload, proxies, cookies, user+password authentication (Basic, Digest, NTLM, Negotiate, Kerberos), file transfer resume, http proxy tunneling and more!The original download site for this software is : <http://curl.haxx.se/libcurl/COPYRIGHT> AND PERMISSION NOTICECopyright (c) 1996 - 2010, Daniel Stenberg, daniel@haxx.se.All rights reserved.Permission to use, copy, modify, and distribute this software for any purposewith or without fee is hereby granted, provided that the above copyrightnotice and this permission notice appear in all copies.THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

#### dfb (1.5.3)

The original download site for this software is : <http://www.directfb.org> .This piece of software is made available under the terms and conditions of the LGPL 2.0 license, which can be found below.

#### dibbler (1.0.1)

Dibbler is for implement dhcpv6 client. The original download site for this software is : <http://klub.com.pl/dhcpv6/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### dosfstools (2.9)

Create an MS-DOS file system under Linux. The original download site for this software is : <http://daniel-baumann.ch/files/software/dosfstools> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### e2fsprogs (1.41.14)

The original download site for this software is : <http://e2fsprogs.sourceforge.net> .This piece of



software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### electric-fence (2.1.13)

Used for memory corruption detection. The original download site for this software is : [http://perens.com/FreeSoftware/ElectricFence/electric-fence\\_2.1.13-0.1.tar.gz](http://perens.com/FreeSoftware/ElectricFence/electric-fence_2.1.13-0.1.tar.gz) .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### encfs (1.3.2)

Use to encrypt file or dir. The original download site for this software is : <http://www.arg0.net/encfs> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### expat (2.1.0)

Xml paser; Expat is an XML parser library written in C. It is a stream-oriented parser in which an application registers handlers for things the parser might find in the XML document (like start tags). An introductory article on using .The original download site for this software is : <http://expat.sourceforge.net/> .

#### findutils (4.2.31)

The original download site for this software is : <http://www.gnu.org/software/findutils/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### freetype (2.7.1)

FreeType 2 is a software font engine that is designed to be small, efficient, highly customizable, and portable while capable of producing high-quality output (glyph images). The original download site for this software is : <http://freetype.sourceforge.net> .

#### fuse (2.8.4)

Fuse is a simple interface for userspace programs to export a virtual filesystem to the linux kernel. The original download site for this software is : <http://sourceforge.net/projects/fuse> .This piece of software is made available under the terms and conditions of the GPL 2.0/LGPLv2 license, which can be found below.

#### fusion (8.7.0)

The original download site for this software is : <https://www.openhub.net/p/linuxfusion> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### gawk (3.1.5)

The original download site for this software is : <http://www.gnu.org/software/gawk/> .This piece of

software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### gdisk (0.8.1)

The original download site for this software is : <http://www.rodsbooks.com/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### glibc (2.18)

The original download site for this software is : <http://www.gnu.org/software/libc> .This piece of software is made available under the terms and conditions of the LGPL 2.0.1 license, which can be found below.

#### googletest (1.7.0)

The original download site for this software is : <https://github.com/google/googletest> .This piece of software is made available under the terms and conditions of the BSD-3 license, which can be found below.

#### grep (2.5.1a)

The original download site for this software is : <http://www.gnu.org/software/grep/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### gzip (1.3.12)

The original download site for this software is : <http://www.gnu.org/software/gzip/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### harfbuzz (1.4.2)

Libpng, a text shaping library. The original download site for this software is : <http://harfbuzz.org/> .This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### icu (51.1)

ICU is a mature, widely used set of C/C++ and Java libraries providing Unicode and Globalization support for software applications. The original download site for this software is : <http://site.icu-project.org> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### inetutils (1.4.2)

The original download site for this software is : <http://www.gnu.org/software/inetutils/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### iptables (1.4.15)

Iptables is a user space application program that allows a system administrator to configure the tables provided by the Linux kernel firewall (implemented as different Netfilter modules) and the chains and rules it stores. Different kernel modules and programs are currently used for different protocols; iptables applies to IPv4. The original download site for this software is : <https://android.googlesource.com/> . This piece of software is made available under the terms and conditions of the GPL 2.0.

#### iputils (s20101006)

Set of small useful utilities for Linux networking. The original download site for this software is : <http://www.skbuff.net/iputils/> . This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### jansson (2.4)

set of small useful utilities for Linux networking. The original download site for this software is : <http://www.digip.org/jansson/> . This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### jpeg (6b)

The 'libjpeg' library used for jpeg image decode. The original download site for this software is : <http://www.ijg.org/> . This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### jsonrpc (2.0)

Jsonrpc implements the parsing and validation of the jsonrpc/2.0 request before handing it over to user-defined methods. The original download site for this software is : <https://github.com/pijyoi/jsonrpc> . This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### libdwarf

Libdwarf is a library and a set of command-line tools for reading and writing DWARF2 and later debugging information. Libdwarf handles the details of the actual format so coders can focus on the content. The original download site for this software is : <https://sourceforge.net/projects/libdwarf/> . This piece of software is made available under the terms and conditions of the LGPL v2.1 license, which can be found below.

#### libelf (0.8.1.3)

The original download site for this software is : <http://www.mr511.de/software/> . This piece of software is made available under the terms and conditions of the LGPL v2 license, which can be found below.

#### libiconv (1.11.1)

GNU libiconv is a conversion library. To convert between a given text encoding and the users encoding, or to convert between internal string representation (Unicode) and external string representation (a traditional encoding). The original download site for this software is : <http://www.gnu.org/software/libiconv> . This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### libnl (v3.2.29)

The original download site for this software is : <http://www.infradead.org/~tgr/libnl/> . This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### libusb (1.0.9)

The original download site for this software is : <http://libusb.sourceforge.net/> . This piece of software is made available under the terms and conditions of the LGPLv2.1 license, which can be found below.

#### libuv (libuv-v1.20.3)

The original download site for this software is : <https://libuv.org> . This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### libwebsockets (3.0)

The original download site for this software is : <https://libwebsockets.org/> . This piece of software is made available under the terms and conditions of the LGPL 2.1 license, which can be found below.

#### libxml2 (2.7.8)

Libxml2 is the XML C parser and toolkit developed for the Gnome project. The original download site for this software is : <http://www.xmlsoft.org/> . This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### lighttpd (1.4.35)

The original download site for this software is : <http://www.lighttpd.net/download/> . This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### liveMedia (2011.06.12)

The original download site for this software is : <http://www.live555.com> . This piece of software is made available under the terms and conditions of the LGPLv2.1 license, which can be found below.

#### lvm2 (2.02.89)

The original download site for this software is :

<ftp://sources.redhat.com/pub/lvm2/releases/> .This piece of software is made available under the terms and conditions of the GPL 2.0/LGPLv2.1 license, which can be found below.

#### lz4 (1.8.1.2)

The original download site for this software is : [lz4.github.io/lz4/](http://lz4.github.io/lz4/) .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### lzma (4.65)

The original download site for this software is : <http://www.7-zip.org/sdk.html/> .

#### mng (1.0.10)

Libmng -THE reference library for reading, displaying, writing and examining Multiple-Image Network Graphics.MNG is the animation extension to the popular PNG image-format. The original download site for this software is : <http://sourceforge.net/projects/libmng/files/> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### module-init-tools (3.12)

Linux userspace module loading utilities. The original download site for this software is : [https://modules.wiki.kernel.org/index.php/Main\\_Page](https://modules.wiki.kernel.org/index.php/Main_Page) .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### mtp (1.1.6)

The original download site for this software is : <http://libmtp.sourceforge.net/> .This piece of software is made available under the terms and conditions of the LGPLv2.1 license, which can be found below.

#### ncurses (5.7)

Provide character terminal processing library. The original download site for this software is : <http://www.gnu.org/software/ncurses/> .This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### net-tools (1.60)

A program contains network command. The original download site for this software is : <http://www.linuxfromscratch.org/blfs/view/6.3/basicnet/net-tools.html> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### nghttp2 (1.21.1)

nghttp2 is an implementation of Hypertext Transfer Protocol version 2 in C. The original download site for this software is : <http://nghttp2.org> .This piece of

software is made available under the terms and conditions of the MIT license, which can be found below.

#### ntfs-3g (2010.5.22)

[ntfs-3g-1.5012.tgz/ntfs-3g-1.5012/libntfs-3g/attrib.c](http://ntfs-3g-1.5012.tgz/ntfs-3g-1.5012/libntfs-3g/attrib.c). The original download site for this software is : <http://www.tuxera.com/community/ntfs-3g-download/> .This piece of software is made available under the terms and conditions of the GPL 2.0/LGPLv2 license, which can be found below.

#### ntfsprogs (2.0.0)

C runtime library. The original download site for this software is : <http://sourceforge.net/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### ogg (1.3.2)

Libogg: a library for audiomixer, that can provide audio mixer. The original download site for this software is : <http://www.vorbis.com> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### openh264 (1.7.0)

Openh264 is a codec library which supports H.264 encoding and decoding. It is suitable for use in real time applications such as WebRTC. The original download site for this software is :<http://www.openh264.org> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### openssh (6.3p1)

Openssh is secure shell protocol version. The original download site for this software is : <ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/portable/openssh-6.3p1.tar.gz> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### openssl (1.0.2g)

The original download site for this software is : <http://www.openssl.org/> .This piece of software is made available under the terms and conditions of the Apache License 1.0 / BSD License, which can be found below.

#### png (1.2.43)

libpng -THE reference library for reading, displaying, writing and examining png Image Network Graphics. The original download site for this software is : <http://sourceforge.net/projects/libpng/files/> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### popt (1.16)

The original download site for this software is : <http://packages.debian.org/> .This piece of software is made available under the terms and conditions of the Red Hat Software.

#### procmem (2.0)

The original download site for this software is : [https://github.com/babuneelam/procmem\\_linux\\_x86\\_port](https://github.com/babuneelam/procmem_linux_x86_port) .This piece of software is made available under the terms and conditions of the Apple Public Source License.

#### procps (3.2.8)

Command for watch system process. The original download site for this software is : <http://procps.sourceforge.net/index.html> .This piece of software is made available under the terms and conditions of the LGPLv2 license, which can be found below.

#### procrank (2.0)

The original download site for this software is : [https://github.com/csimmonds/procrank\\_linux](https://github.com/csimmonds/procrank_linux) .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### psmisc (22.13)

The original download site for this software is : <http://psmisc.sourceforge.net/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### pugixml (1.8)

The original download site for this software is : <http://pugixml.org/> .This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### python (2.7.9)

The original download site for this software is : <http://www.python.org/> .

#### qrencode (3.4.2)

The original download site for this software is : <https://fukuchi.org/works/qrencode/> .This piece of software is made available under the terms and conditions of the LGPLv2 license, which can be found below.

#### rlog (1.4)

The original download site for this software is : <http://www.arg0.net/rlog> .This piece of software is made available under the terms and conditions of the GPL 2.1 license, which can be found below.

#### rng-tools (5)

The original download site for this software is : <http://sourceforge.net/projects/gkernel/> .This piece

of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### samba (3.0.37)

Samba is the standard Windows interoperability suite of programs for Linux and Unix. The original download site for this software is : <http://www.samba.org/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### sawman (1.5.3)

The original download site for this software is : <http://www.directfb.org> .This piece of software is made available under the terms and conditions of the LGPLv2 license, which can be found below.

#### sed (4.1.5)

The original download site for this software is : <http://www.gnu.org/software/sed/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### simple-mtpfs (0.2)

The original download site for this software is : <http://freecode.com/projects/simple-mtpfs> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### sqlite (3.8.4.3)

Implements a self-contained, serverless, zero-configuration, transactional SQL database engine. The original download site for this software is : <http://www.sqlite.org/> . This piece of software is made available under the terms and conditions of the LGPLv2.1 license, which can be found below.

#### sqlite3 (3.7.2)

Implements a self-contained, serverless, zero-configuration, transactional SQL database engine. The original download site for this software is : <http://www.sqlite.org/> . This piece of software is made available under the terms and conditions of the LGPLv2.1 license, which can be found below.

#### tar (1.17)

The original download site for this software is : <http://www.gnu.org/software/tar/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### thttpd (2.25b)

The original download site for this software is : <http://acme.com/software/thttpd/> .This piece of software is made available under the terms and conditions of the BSD license, which can be found

below.

#### toybox (0.4.0)

The original download site for this software is : <http://www.landley.net/toybox/downloads/toybox-0.4.0.tar.bz2> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### ttxfont (1.0)

The original download site for this software is : <http://linux.bytesex.org/xawtv/tvfonts/html> <Http://zapping.sourceforge.net/ZVBI/index.html> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### uboot (2011.12)

The uboot will load the linux kernel to dram, and jump to run . The original download site for this software is : <http://www.denx.de> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### udhcp (0.9.9-pre)

Terminal device as a DHCP client. The original download site for this software is : <http://udhcp.sourceforge.net/downloads/0.9.8cvs20050303-3/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### unicode (3.2)

The original download site for this software is : <http://www.icu-project.org/> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### uriparser (0.7.7)

The original download site for this software is : <http://uriparser.sourceforge.net/> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### util-linux-ng (2.18)

util-linux is a random collection of Linux utilities. The original download site for this software is : <http://userweb.kernel.org/~kzak/util-linux-ng/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### webp (0.2.1)

libwebp: a library for browser, that can improve the performance of downloading image webp.txt's directory [http://teams.mediatek.com/dtv/SSD/SS3/Task%20Forces/Forms/AllItems.aspx?RootFolder=%2fdtv%2fSSD%2fSS3%2fTask%20Forces%2f3rd%20party%20list%2fLicense\\_Texts&FolderCTID=&View=%7b4DF37](http://teams.mediatek.com/dtv/SSD/SS3/Task%20Forces/Forms/AllItems.aspx?RootFolder=%2fdtv%2fSSD%2fSS3%2fTask%20Forces%2f3rd%20party%20list%2fLicense_Texts&FolderCTID=&View=%7b4DF37)

793-E07B-481C-BBFC-CD139C18D384%7d .The original download site for this software is : <http://code.google.com/p/webp/> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### wget (1.10.2)

Check network for http/https .The original download site for this software is : <http://ftp.gnu.org/gnu/wget/wget-1.10.2.tar.gz> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### wireless\_tools (v29)

The original download site for this software is : [http://www.hpl.hp.com/personal/Jean\\_Tourrilhes/Linux/Tols.html](http://www.hpl.hp.com/personal/Jean_Tourrilhes/Linux/Tols.html) .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### wpa\_supplicant (v0.8(wext)/v2.3(cfg80211))

Library used by legacy HAL to talk to wpa\_supplicant daemon.The original download site for this software is : [https://w1.fi/wpa\\_supplicant/](https://w1.fi/wpa_supplicant/) .This piece of software is made available under the terms and conditions of the LGPLv2.1 license, which can be found below.

#### xerces (3.1.1)

C runtime library. The original download site for this software is : <http://xerces.apache.org/> .This piece of software is made available under the terms and conditions of the Apache License Version 2.0, which can be found below.

#### zlib(1.2.3)

The 'zlib' compression library provides in-memory compression and decompression functions, including integrity checks of the uncompressed data. The original download site for this software is : <http://www.zlib.net/> .

#### Hue SDK (1.8.1)

TV ambihue app uses Philips SDK to find the hue bridge nameThe original download site for this software is : <https://developers.meethue.com/documentation/java-multi-platform-and-android-sdk>

#### Opera Web Browser (SDK 4.8.0)

This TV contains Opera Browser Software.  
Third-party licenses

#### WebKit

name License

WebKit

URL: <http://webkit.org/>

(WebKit doesn't distribute an explicit license. This

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Foundation, The Karbon Developers, Thomas Boyer,  
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#### Copyright FAQ =====

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2. I want to package these fonts separately for distribution and sale as part of a larger software package or system. Can I do so?

Yes. A RPM or Debian package is a "larger software package" to begin with, and you aren't selling them independently by themselves. See 1. above.

3. Are derivative works allowed?  
Yes!

4. Can I change or add to the font(s)?  
Yes, but you must change the name(s) of the font(s).

5. Under what terms are derivative works allowed?

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6. If I have improvements for Bitstream Vera, is it possible they might get adopted in future versions?

Yes. The contract between the Gnome Foundation and Bitstream has provisions for working with Bitstream to ensure quality additions to the Bitstream Vera font family. Please contact us if you have such additions. Note, that in general, we will want such additions for the entire family, not just a single font, and that you'll have to keep

both Gnome and Jim Lyles, Vera's designer, happy! To make sense to add glyphs to the font, they must be stylistically in keeping with Vera's design. Vera cannot become a "ransom note" font. Jim Lyles will be providing a document describing the design elements used in Vera, as a guide and aid for people interested in contributing to Vera.

7. I want to sell a software package that uses these fonts: Can I do so?

Sure. Bundle the fonts with your software and sell your software with the fonts. That is the intent of the copyright.

8. If applications have built the names "Bitstream Vera" into them, can I override this somehow to use fonts of my choosing?

This depends on exact details of the software. Most open source systems and software (e.g., Gnome, KDE, etc.) are now converting to use fontconfig (see [www.fontconfig.org](http://www.fontconfig.org)) to handle font configuration, selection and substitution; it has provisions for overriding font names and substituting alternatives. An example is provided by the supplied local.conf file, which chooses the family Bitstream Vera for "sans", "serif" and "monospace". Other software (e.g., the XFree86 core server) has other mechanisms for font substitution.

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libcurl

URL: <http://curl.haxx.se/>

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libcurl – lib/krb5.c  
URL: <https://github.com/bagder/curl/blob/master/lib/krb5.c>

/\* GSSAPI/krb5 support for FTP – loosely based on old krb4.c

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libcurl – lib/security.c

URL: <https://github.com/bagder/curl/blob/master/lib/security.c>

/\* This source code was modified by Martin

Hedenfalk <mhe@stacken.kth.se> for

\* use in Curl. His latest changes were done 2000-09-18.

\*

\* It has since been patched and modified a lot by Daniel Stenberg

\* <daniel@haxx.se> to make it better applied to curl conditions, and to make

\* it not use globals, pollute name space and more.

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David M. Gay's floating point routines  
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dynamic annotations  
 URL: <http://code.google.com/p/data-race-test/wiki/DynamicAnnotations>

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\* Author: Kostya Serebryany

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Paul Hsieh's SuperFastHash  
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google-glog's symbolization library  
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LevelDB: A Fast Persistent Key-Value Store

URL: <https://github.com/google/leveldb.git>

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The library to input, validate, and display addresses.

URL: <https://github.com/googlei18n/libaddressinput>

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Glenn Randers-Pehrson  
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November 12, 2015

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

modp base64 decoder

URL: <https://github.com/client9/stringencoders>

\* MODP\_B64 - High performance base64  
encoder/decoder

\* Version 1.3 -- 17-Mar-2006

\* <http://modp.com/release/base64>

\*

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Mojo

URL: <https://github.com/domokit/mojo>

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mt19937ar  
 URL: <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>

A C-program for MT19937, with initialization  
 improved 2002/1/26.

Coded by Takuji Nishimura and Makoto  
 Matsumoto.

Before using, initialize the state by using  
 init\_genrand(seed)  
 or init\_by\_array(init\_key, key\_length).

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Netscape Plugin Application Programming Interface  
 (NPAPI)

URL: <http://mxr.mozilla.org/mozilla-central/source/modules/plugin/base/public/>

Version: MPL 1.1/GPL 2.0/LGPL 2.1

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OpenMAX DL

URL: <https://silver.arm.com/download/Software/Graphics/OX000-BU-00010-r1p0-00bet0/OX000-BU-00010-r1p0-00bet0.tgz>

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- \* dl/api/omxtypes.h
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opus

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Protocol Buffers  
URL: <http://protobuf.googlecode.com/svn/trunk>

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Quick Color Management System  
URL: <https://github.com/jrmuizel/qcms/tree/v4>

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re2 - an efficient, principled regular expression library

URL: <https://github.com/google/re2>

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sfntly

URL: <https://github.com/googlei18n/sfntly>

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Snappy: A fast compressor/decompressor

URL: <http://google.github.io/snappy/>

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; abstraction between different calling conventions (x86\_32, win64, linux64).  
; It also has various other useful features to simplify writing the kind of  
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zlib  
URL: <http://zlib.net/>

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.4, March 14th, 2010

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```
printf("%s",png_get_copyright(NULL));
```

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Glenn Randers-Pehrson  
glennrp at users.sourceforge.net  
February 25, 2010

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# Ayuda y asistencia

## 13.1

## Solución de problemas

### Activar

**El televisor no se enciende.**

- Desconecte el cable de alimentación de la toma de corriente. Espere un minuto y vuelva a conectarlo.
- Asegúrese de que el cable de alimentación está bien conectado.

**Suena un chirrido al encender o apagar el televisor**

Cuando enciende, apaga o pone en modo de espera el televisor, se oír un chirrido procedente de la carcasa del televisor. Este sonido se debe a la expansión y contracción normales del televisor al calentarse o enfriarse y no afecta a su rendimiento.

**El televisor vuelve al modo de espera tras mostrar la pantalla de inicio de Philips**

Cuando el televisor está en modo de espera, se muestra la pantalla de inicio de Philips y, a continuación, el televisor vuelve al modo de espera. Este es un comportamiento normal. Cuando el televisor se desconecta y se vuelve a conectar al suministro eléctrico, la pantalla de inicio se muestra en el siguiente inicio.

**La luz del modo de espera no deja de parpadear**

Desconecte el cable de alimentación de la toma de corriente. Espere cinco minutos antes de volver a conectarlo. Si vuelve a producirse el parpadeo, póngase en contacto con el servicio de atención al cliente de Philips.

### Imagen

**No hay imagen o está distorsionada**

- Compruebe que la antena está conectada correctamente al televisor.
- Asegúrese de que se ha seleccionado el dispositivo correcto como fuente.
- Compruebe que el dispositivo externo o fuente está conectado correctamente.

**Hay sonido pero no imagen**

- Asegúrese de que los ajustes de imagen son los correctos.

**La recepción de la antena es deficiente**

- Compruebe que la antena está conectada correctamente al televisor.
- Un volumen alto de los altavoces, dispositivos de audio sin toma de tierra, luces de neón, edificios altos

u objetos de gran tamaño; todos estos factores pueden afectar a la calidad de la recepción. Si es posible, intente mejorar la calidad de la recepción cambiando la dirección de la antena o alejando dispositivos del televisor.

- Si solo la recepción de un canal en particular es deficiente, ajuste la sintonía fina de ese canal.

**Imagen deficiente de un dispositivo**

- Asegúrese de que el dispositivo esté conectado correctamente.
- Asegúrese de que los ajustes de imagen son los correctos.

**La imagen no encaja en la pantalla**

Cambie el formato de la imagen.

**La posición de la imagen no es correcta**

Las señales de imagen de algunos dispositivos podrían no encajar correctamente en la pantalla. Compruebe la salida de la señal del dispositivo conectado.

**La imagen del ordenador no es estable**

Compruebe que la velocidad de actualización y la resolución que utiliza el ordenador son compatibles.

### Sonido

**No hay sonido o es de baja calidad**

Si no detecta una señal de audio, el televisor desactiva automáticamente la salida de audio, pero ello no indica que haya un problema.

- Compruebe que los ajustes de sonido son correctos.
- Compruebe que todos los cables están bien conectados.
- Compruebe que el volumen no está silenciado o reducido al mínimo.
- Compruebe que la salida del audio del televisor está conectada a la entrada de audio del sistema de cine en casa.

El sonido debería oírse a través de los altavoces del sistema de cine en casa.

- Es posible que algunos dispositivos requieran la activación manual de la salida de audio HDMI. Si ya está activado el audio HDMI pero sigue sin oír el sonido, pruebe a cambiar el formato de audio digital del dispositivo a PCM (modulación por impulsos codificados). Consulte las instrucciones en la documentación incluida con el dispositivo.

---

## Conexiones

### HDMI

- Tenga en cuenta que HDCP (protección de contenido digital de gran ancho de banda) puede retrasar el tiempo que un televisor tarda en mostrar contenido de un dispositivo HDMI.
- Si el televisor no reconoce el dispositivo HDMI y no muestra ninguna imagen, cambie la fuente de un dispositivo a otro y viceversa.
- Si se producen interrupciones del sonido intermitentes, compruebe que los ajustes de salida del dispositivo HDMI son correctos.
- Si utiliza un adaptador o un cable de HDMI a DVI, asegúrese de que hay conectado un cable de audio adicional a la entrada AUDIO IN (solo miniconector) si está disponible.

### EasyLink no funciona

- Asegúrese de que los dispositivos HDMI son compatibles con HDMI-CEC. Las funciones de EasyLink solo funcionan con dispositivos compatibles con HDMI-CEC.

### No se muestra el icono de volumen

- Este comportamiento es normal cuando se conecta un dispositivo de audio HDMI-CEC.

### No se reproducen las fotos, los vídeos ni la música de un dispositivo USB

- Compruebe que el dispositivo de almacenamiento USB se ha configurado como compatible con Mass Storage Class, según se describa en la documentación del dispositivo de almacenamiento.
- Asegúrese de que el dispositivo de almacenamiento USB es compatible con el televisor.
- Compruebe que el televisor admite los formatos de archivos de imagen y audio.

### Los archivos del dispositivo USB se reproducen de forma entrecortada

- La capacidad de transferencia del dispositivo de almacenamiento USB puede limitar la velocidad de transferencia de datos al televisor, lo que da lugar a una reproducción deficiente.

---

## Wi-Fi, Internet y Bluetooth

### No se encuentra la red Wi-Fi o pierde calidad

- Los hornos microondas, los teléfonos DECT y otros dispositivos Wi-Fi 802.11b/g/n/ac cercanos pueden alterar la red inalámbrica.
- Asegúrese de que los firewalls de la red permitan al televisor acceder a la conexión inalámbrica.
- Si la red inalámbrica no funciona correctamente en su casa, pruebe con la instalación de la red con cable.

### Internet no funciona

- Si la conexión al router es correcta, compruebe la conexión del router a Internet.

### El PC y la conexión a Internet son lentos

- Consulte en el manual de usuario de su router inalámbrico el alcance en interiores, la velocidad de transferencia y otros factores de la calidad de la señal.
- Utilice una conexión a Internet de alta velocidad (banda ancha) para el router.

### DHCP

- Si falla la conexión, compruebe que el ajuste de DHCP (Protocolo de configuración dinámica de host) del router está activado. DHCP siempre debería estar activado.

### Pérdida de conexión Bluetooth

- Los lugares con gran actividad inalámbrica (apartamentos con muchos routers inalámbricos) pueden dificultar la conexión inalámbrica.

---

## Red

### No se encuentra la red Wi-Fi o pierde calidad

- Los hornos microondas, los teléfonos DECT y otros dispositivos Wi-Fi 802.11b/g/n/ac cercanos pueden alterar la red inalámbrica.
- Asegúrese de que los firewalls de la red permitan al televisor acceder a la conexión inalámbrica.
- Si la red inalámbrica no funciona correctamente en su casa, pruebe con la instalación de la red con cable.

### Internet no funciona

- Si la conexión al router es correcta, compruebe la conexión del router a Internet.

### El PC y la conexión a Internet son lentos

- Consulte en el manual de usuario de su router inalámbrico el alcance en interiores, la velocidad de transferencia y otros factores de la calidad de la señal.
- Utilice una conexión a Internet de alta velocidad (banda ancha) para el router.

### DHCP

- Si falla la conexión, compruebe que el ajuste de DHCP (Protocolo de configuración dinámica de host) del router está activado. DHCP siempre debería estar activado.

---

13.2

## Ayuda en línea

Nuestro servicio de asistencia en línea le permite resolver cualquier problema relacionado con su televisor Philips. Puede seleccionar el idioma e introducir el número de modelo del producto.

Visite [www.philips.com/support](http://www.philips.com/support).

En el sitio de asistencia encontrará el número de teléfono de su país para ponerse en contacto con

nosotros, así como respuestas a las preguntas más frecuentes. En algunos países puede chatear con uno de nuestros colaboradores y preguntarle directamente, o enviar la pregunta por correo electrónico.

También puede descargar el manual en línea o actualizaciones para el software del televisor en el ordenador.

---

13.3

## Asistencia y reparación

Si necesita asistencia o una reparación, puede llamar al servicio de atención al consumidor de su país.

Nuestros ingenieros de servicio se encargarán de las reparaciones, si es necesario.

Encontrará el número de teléfono en la documentación impresa incluida con el televisor.

También puede visitar nuestro sitio web [www.philips.com/TVsupport](http://www.philips.com/TVsupport) y seleccionar su país si lo necesita.

### Número de serie y número de modelo del televisor

Es posible que se le solicite el número de modelo y el número de serie del televisor. Podrá encontrar dichos números en la etiqueta de la caja o en la etiqueta de identificación situada en la parte posterior o inferior del televisor.

### Advertencia

No intente reparar el televisor por sí mismo, pues podría causar lesiones personales, daños irreparables en el televisor o la anulación de la garantía.

# Información de precaución y seguridad

14.1

## Seguridad

### Declaración de ESD

Durante la prueba, se producen alteraciones en la pantalla, pero se realiza la recuperación automática tras la prueba. El fabricante especifica esta pérdida permisiva de rendimiento y este fenómeno se incluirá como una declaración clara en el Manual del usuario para evitar malentendidos.

### Importante

Asegúrese de leer y comprender todas las instrucciones de seguridad antes de utilizar el televisor. Si se producen daños debido al seguimiento incorrecto de las instrucciones, la garantía no tendrá validez.

No modifique nunca este equipo sin la autorización del fabricante.

### Riesgo de descarga eléctrica o incendio

- Nunca exponga el televisor al agua o la lluvia ni coloque contenedores de líquidos, como jarrones, cerca de él.
- En caso de que algún líquido salpique el televisor, desconéctelo de la toma de corriente inmediatamente.
- Póngase en contacto con el servicio de atención al consumidor de Philips para que se compruebe el televisor antes de su uso.
- Nunca exponga el televisor a un calor excesivo. No coloque estos objetos cerca de velas encendidas, llamas sin protección u otras fuentes de calor, incluida la luz solar directa.
- Nunca inserte objetos en las ranuras de ventilación u otras aberturas del televisor.
- No coloque objetos pesados sobre el cable de alimentación.
- Evite ejercer fuerza en los enchufes. Los enchufes sueltos pueden generar arcos voltaicos o un incendio. Asegúrese de que el cable de alimentación no esté tirante cuando gire la pantalla del televisor.

- Para desconectar el televisor de la corriente de alimentación, el conector de alimentación del dispositivo debe estar desconectado de la toma de corriente. Al desconectar el cable de alimentación, tire siempre de la clavija, nunca del cable. Asegúrese de poder acceder sin dificultad a la clavija de alimentación, al cable de alimentación y a la toma de corriente en todo momento.

### Riesgo de lesiones personales o de daños al televisor

- Si va a montar el televisor en la pared, asegúrese de que el soporte de pared puede soportar de manera segura el peso del televisor. TP Vision no asume ninguna responsabilidad por el montaje inadecuado del televisor en la pared que provoque accidentes, lesiones o daños.
- Algunas piezas de este producto están hechas de vidrio. Manéjelas con cuidado para evitar lesiones o daños.

#### Riesgo de daños del televisor

Antes de conectar el televisor a la toma de alimentación, asegúrese de que el voltaje de alimentación se corresponda con el valor impreso en la parte posterior del producto. No conecte nunca el televisor a la toma de alimentación si el voltaje es distinto.

### Riesgos de estabilidad

Un televisor puede caerse, y provocar lesiones personales graves o incluso la muerte. Muchas lesiones, especialmente en niños, se pueden evitar tomando precauciones sencillas como las siguientes:

- Asegúrese SIEMPRE de que el televisor no sobresale del borde del mueble que lo sostiene.
- Utilice SIEMPRE armarios, soportes o métodos de montaje recomendados por el fabricante del televisor.
- Utilice SIEMPRE muebles que puedan soportar de forma segura el televisor.
- Eduque SIEMPRE a los niños sobre los peligros que conlleva subirse a un mueble para llegar al televisor o sus controles.
- Coloque SIEMPRE los cables conectados al televisor de forma que no se pueda tropezar en ellos, que no se pueda tirar de ellos y que no se puedan agarrar.
- No coloque NUNCA un televisor en un lugar inestable.
- No coloque NUNCA el televisor sobre un mueble alto (por ejemplo, armarios o estanterías) sin fijar tanto el mueble como el televisor a un soporte adecuado.
- No coloque NUNCA el televisor sobre un paño u otros materiales que puedan estar situados entre el

televisor y el mueble.

- No coloque NUNCA objetos que puedan incitar a los niños a subirse, como juguetes o mandos a distancia, en la parte superior del televisor o del mueble en el que esté situado el televisor.

Si se va a conservar y reubicar el televisor actual, se deben aplicar las mismas precauciones indicadas anteriormente.

---

## Riesgo de las pilas

- No ingiera la pila. Peligro de quemaduras químicas.
- El mando a distancia puede contener una pila de botón. Si se ingiere, puede provocar quemaduras internas graves en solo 2 horas y producir la muerte.
- Mantenga las pilas nuevas y usadas alejadas de los niños.
- Si el compartimento de las pilas no se cierra bien, deje de utilizar el producto y manténgalo alejado de los niños.
- Si piensa que las pilas pueden haber sido ingeridas o encontrarse en el interior de cualquier parte del cuerpo, consulte inmediatamente a un médico.
- Existe riesgo de incendio o explosión si las pilas se sustituyen por unas del tipo incorrecto.
- La sustitución de una pila por una de un tipo incorrecto puede deshabilitar una medida de seguridad (por ejemplo, en el caso de algunos tipos de pilas de litio).
- Eliminar una pila en el fuego o en un horno caliente, o aplastar o cortar una pila por medios mecánicos, son acciones que pueden producir una explosión.
- Dejar una pila en un entorno con temperaturas extremadamente altas puede provocar una explosión o la fuga de líquido o gas inflamable.
- Una pila sometida a una presión de aire extremadamente baja puede provocar una explosión o la fuga de líquido o gas inflamable.

---

## Riesgo de sobrecalentamiento

Nunca instale el producto en un espacio reducido. Deje siempre un espacio de al menos 10 cm en torno al televisor para permitir su ventilación. Asegúrese de que las ranuras de ventilación del televisor nunca estén cubiertas por cortinas u otros objetos.

---

## Tormentas con aparato eléctrico

Desconecte el televisor de la toma de corriente y de la antena antes de una tormenta con aparato eléctrico.

Durante una tormenta con aparato eléctrico, no toque ninguna parte del televisor, el cable de alimentación o el cable de la antena.

---

## Riesgo de daños auditivos

Procure no usar los auriculares o cascos con un volumen alto o durante un periodo de tiempo prolongado.

---

## Bajas temperaturas

Si el televisor se transporta a temperaturas inferiores a los 5 °C, desembale el televisor y espere a que la temperatura del aparato alcance la temperatura ambiente antes de conectar el televisor a la toma de alimentación.

---

## Humedad

En raras ocasiones, según la temperatura y la humedad, puede producirse una cierta condensación dentro del cristal frontal del televisor (en algunos modelos). Para evitarlo, no exponga el televisor a la luz solar directa, ni al calor y la humedad extremos. Si se produce condensación, esta desaparecerá espontáneamente después de unas horas de funcionamiento del televisor.

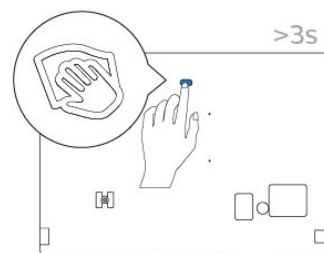
La condensación no dañará el televisor ni afectará a su funcionamiento.

---

14.2

## Cuidado de la pantalla

- No toque, presione, frote ni golpee nunca la pantalla con ningún objeto.
- Pulse el botón de limpieza en la parte trasera del televisor. Debe pulsarse durante 3 segundos para desactivar los controles frontales del televisor antes de limpiarlo.



- Limpie el televisor y el marco con un paño suave humedecido y frote suavemente. Nunca utilice sustancias como alcohol, productos químicos o detergentes domésticos en el televisor.
- Para evitar deformaciones y desvanecimiento del color, limpie las gotas de agua lo antes posible.
- Evite las imágenes estáticas en la medida de lo posible. Las imágenes estáticas son las que

permanecen en la pantalla durante mucho tiempo, por ejemplo, los menús de pantalla, las barras negras, las visualizaciones de la hora, etc. Si tiene que utilizar imágenes estáticas, reduzca el contraste y el brillo de la pantalla para evitar daños.

---

14.3

## Declaración de exposición a la radiación (solo para Wi-Fi integrado)

Este equipo cumple con los límites de exposición a la radiación CE establecidos para un entorno no controlado. Este equipo debe instalarse y utilizarse con una distancia mínima de 20 cm entre el radiador y el cuerpo.

A continuación se indican la frecuencia, el modo y la potencia máxima transmitida en la UE:

-2400-2483,5 MHz: < 20 dBm (EIRP) solo para productos 2,4G

-5150-5250 MHz: < 23 dBm (EIRP)

-5250-5350 MHz: < 23 dBm (EIRP)

-5470-5725 MHz: < 27 dBm (EIRP)

-5725-5825 MHz: < 13,98 dBm (EIRP)

# Condiciones de uso

## 15.1

### Condiciones de uso del televisor

2020 © TP Vision Europe B.V. Todos los derechos reservados.

Este producto lo comercializa TP Vision Europe B. V. o una de sus filiales, en lo sucesivo, TP Vision, que es el fabricante del producto. TP Vision es el garante con respecto al televisor junto al que se suministra esta documentación. Philips y el emblema del escudo de Philips son marcas comerciales registradas de Koninklijke Philips N.V.

Las especificaciones están sujetas a cambios sin aviso previo. Las marcas comerciales son propiedad de Koninklijke Philips N.V. o de sus respectivos propietarios. TP Vision se reserva el derecho de cambiar los productos en cualquier momento sin obligación de ajustar los productos anteriores en consecuencia.

La documentación incluida con el televisor y el manual almacenado en la memoria del televisor o disponible para su descarga en el sitio web de Philips [www.philips.com/support](http://www.philips.com/support) se consideran adecuados para el uso previsto del sistema.

El material de este manual se considera adecuado para el uso previsto del sistema. Si el producto, o sus módulos o procedimientos individuales, se utilizan con fines distintos a los que aquí se especifican, deberá obtenerse la confirmación de su validez e idoneidad. TP Vision garantiza que el material no infringe ninguna patente de EE. UU. No existe ninguna otra garantía expresa ni implícita. TP Vision no se hace responsable de los posibles errores del contenido de este documento ni de los problemas que pudieran surgir de dicho contenido. Los errores de los que Philips reciba notificación se adaptarán y publicarán en el sitio web de asistencia de Philips con la mayor rapidez posible.

**Términos de la garantía – ¡Riesgo de lesiones, daños al televisor o anulación de la garantía!**

No intente reparar el televisor. Utilice el televisor y sus accesorios para el uso concebido por el fabricante. El signo de precaución impreso en la parte trasera del televisor indica riesgo de descarga eléctrica. No retire la carcasa del televisor. Póngase en contacto con el servicio de atención al cliente de Philips TV si necesita asistencia o una reparación. Encontrará el número de teléfono en la documentación impresa incluida con el televisor. También puede consultar nuestro sitio web [www.philips.com/support](http://www.philips.com/support) y seleccionar su país si lo necesita. Cualquier operación

prohibida expresamente en este manual, así como cualquier procedimiento de ajuste y ensamblaje no recomendado o autorizado en el mismo, anulará la garantía.

#### Características de los píxeles

Este televisor tiene un elevado número de píxeles de color. Aunque el porcentaje de píxeles activos es del 99,999 % o más, pueden aparecer puntos negros o puntos brillantes de luz (rojos, verdes o azules) constantemente en la pantalla. Se trata de una propiedad estructural de la pantalla (dentro de los estándares comunes del sector) y no es un fallo de funcionamiento.

#### Conformidad CE

Por la presente, TP Vision Europe B.V. declara que este televisor cumple los requisitos esenciales y demás directrices relevantes de las directivas 2014/53/UE (equipos de radio), 2009/125/CE (diseño ecológico) y 2011/65/CE (sustancias peligrosas).

#### Conformidad con EMF

TP Vision fabrica y vende gran número de productos dirigidos a consumidores que, como todo aparato electrónico, en general tienen la capacidad de emitir y recibir señales electromagnéticas. Uno de los principios empresariales fundamentales de TP Vision consiste en adoptar todas las medidas de seguridad necesarias en nuestros productos, con el fin de cumplir la legislación aplicable y respetar ampliamente la normativa sobre campos electromagnéticos (EMF) pertinente en el momento de fabricación de los productos.

TP Vision se compromete a desarrollar, producir y comercializar productos que no provoquen efectos adversos en la salud. TP Vision confirma que, siempre que sus productos se utilicen de forma adecuada y con el fin para el que fueron creados, son seguros de acuerdo con las evidencias científicas disponibles en la actualidad. TP Vision desempeña un papel activo en el desarrollo de estándares de seguridad y EMF internacionales, lo que permite a TP Vision la anticipación a nuevos estándares y su temprana integración en sus productos.



## Derechos de autor

## 16.1

### HDMI

## HDMI

Los términos HDMI y HDMI High-Definition Multimedia Interface (interfaz multimedia de alta definición), y el logotipo de HDMI son marcas comerciales o marcas comerciales registradas de HDMI Licensing Administrator en Estados Unidos y otros países.



## 16.2

### Dolby Audio

Fabricado con licencia de Dolby Laboratories. Dolby, Dolby Audio y el símbolo de doble D son marcas comerciales de Dolby Laboratories. Obras inéditas de carácter confidencial. Copyright 1992-2020 Dolby Laboratories. Todos los derechos reservados.



## 16.3

### Wi-Fi Alliance

Red, inalámbrica

El logotipo de Wi-Fi CERTIFIED™ es una marca comercial registrada de Wi-Fi Alliance®



## 16.4

### Kensington

Kensington

(Si procede)

Kensington y MicroSaver son marcas comerciales estadounidenses de ACCO World Corporation con registros ya emitidos y solicitudes pendientes en otros países de todo el mundo.



## 16.5

### Otras marcas comerciales

El resto de las marcas comerciales registradas o no registradas son propiedad de sus respectivos propietarios.

# Descargo de responsabilidad con respecto a los servicios y/o software ofrecidos por terceros

Los servicios y/o software ofrecidos por terceros podrían modificarse, suspenderse o terminarse sin previo aviso. TP Vision no asume ninguna responsabilidad en este tipo de situaciones.

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02 4528 7030

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**Netherlands/Nederlands**  
010 4289533

**Norway/Norge**  
22 70 82 50

**Poland/Polska**  
022 203 0327

**Portugal**  
0800 780 902

**Romania/România**  
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031 6300042

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**Slovakia/Slovensko**  
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**Slovenia**  
0800 80 255

**Spain/España**  
915 909 335

**Sweden/Sverige**  
08 6320 016

**Switzerland/Schweiz/Suisse**  
223 102 116

**Turkey/Türkiye**  
0 850 222 44 66

**Ukraine/Україна**  
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**United Kingdom**  
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