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BDP3200X



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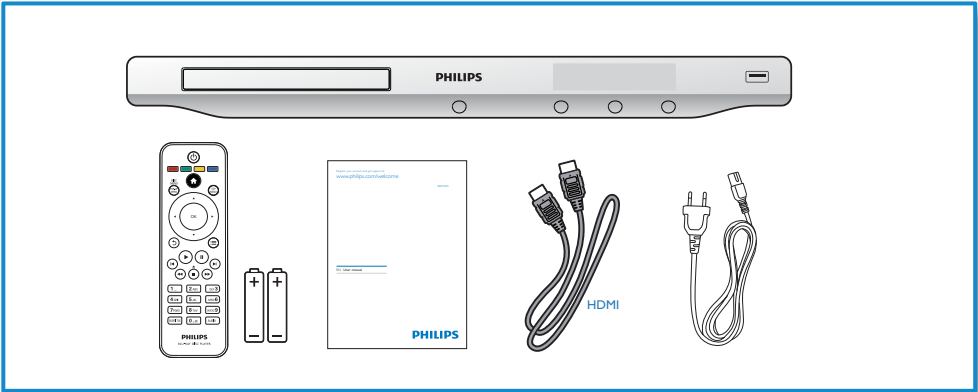
ES Manual del usuario

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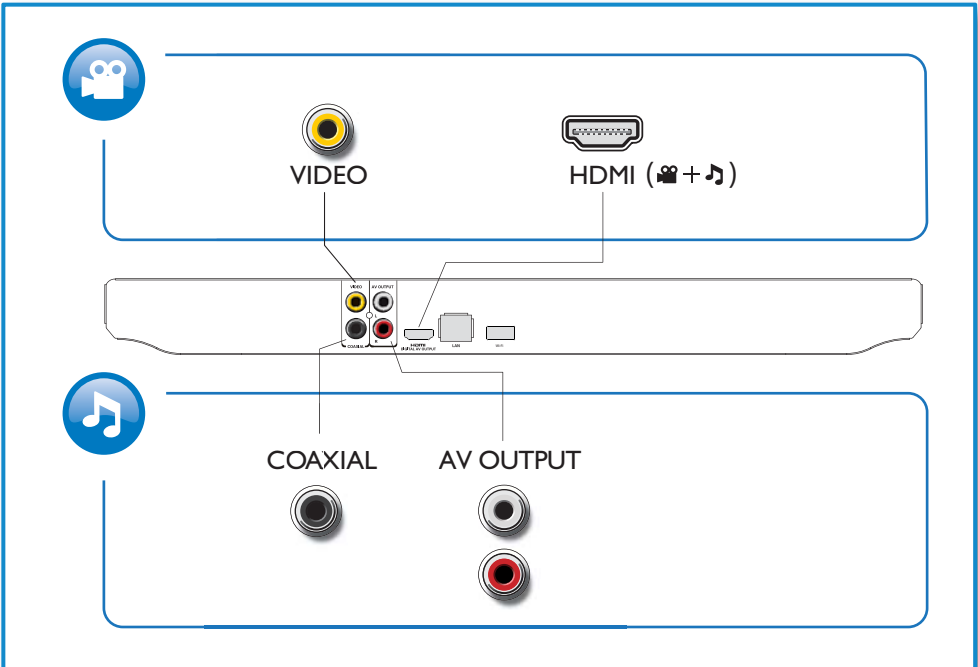
**PHILIPS**



Antes de utilizar este reproductor de Blu-ray / DVD, asegúrese de leer y comprender las instrucciones adjuntas.



1



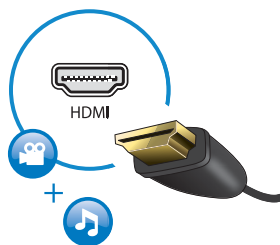
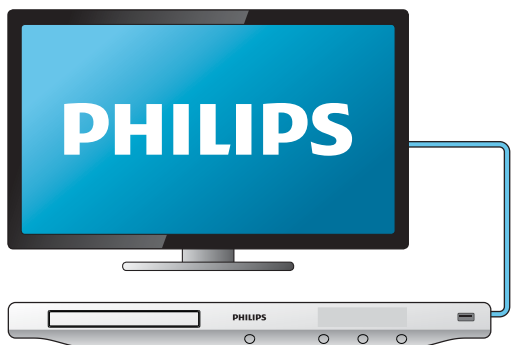
# 2



## 1 HDMI



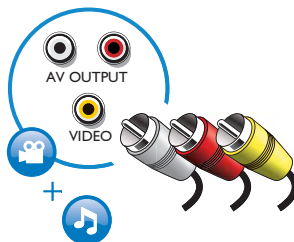
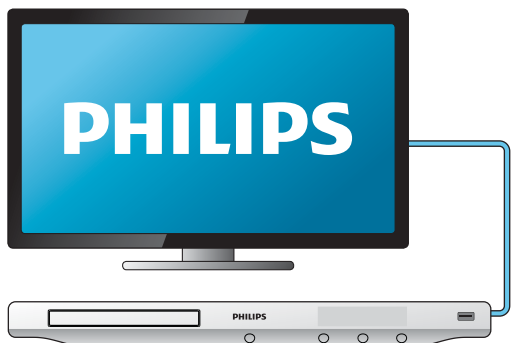
HDMI  VIDEO  COAXIAL  AV OUTPUT



## 2 VIDEO+AV OUTPUT

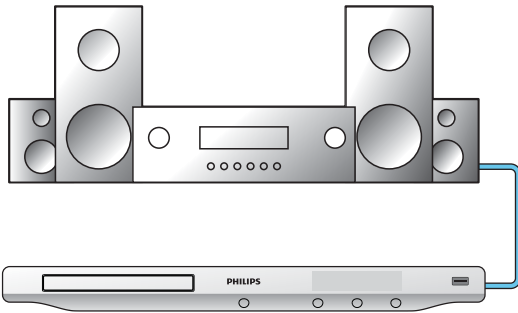


HDMI  VIDEO  COAXIAL  AV OUTPUT



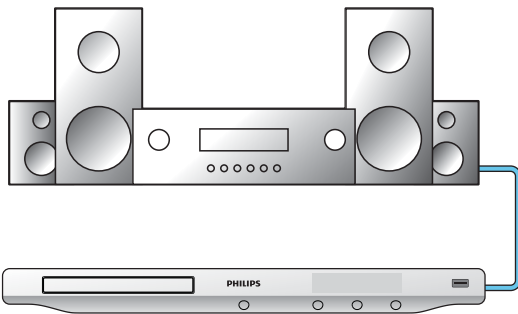
# 3 COAXIAL

○HDMI ○VIDEO ●COAXIAL ○AV OUTPUT

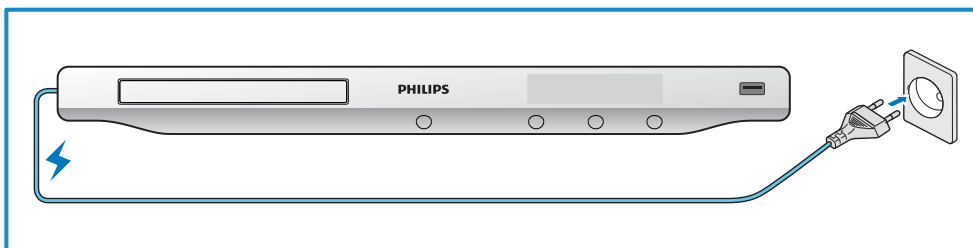


# 4 AV OUTPUT

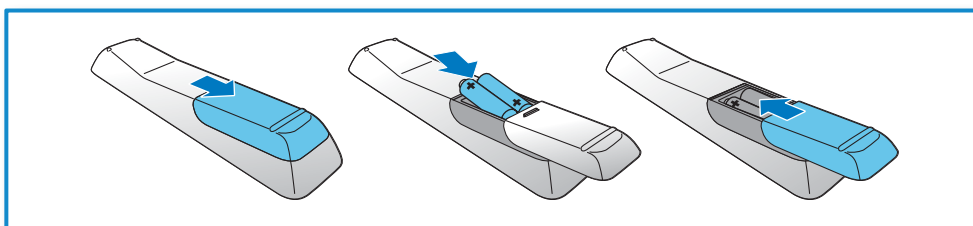
○HDMI ○VIDEO ○COAXIAL ●AV OUTPUT



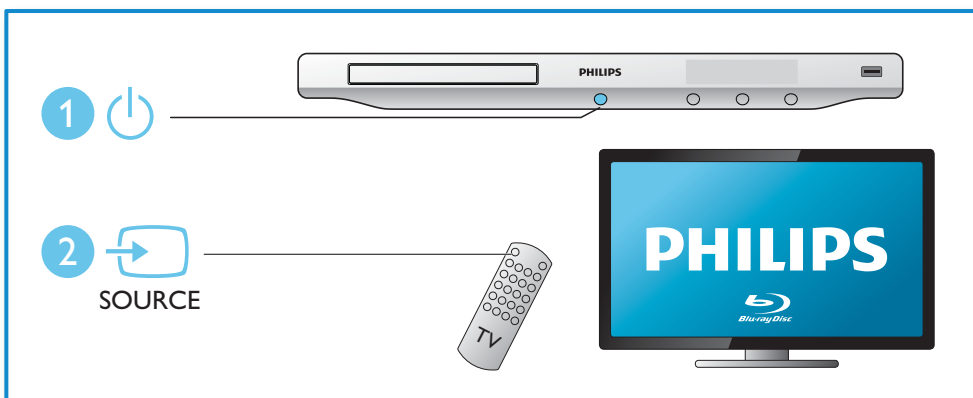
3



4



5



# 6



2

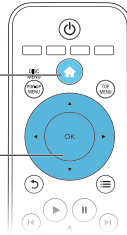
BD  
DVD/VCD/CD  
DivX Plus HD/MKV  
MP3 / JPEG

1

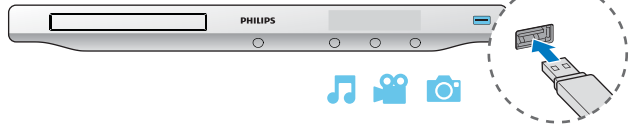


3

4

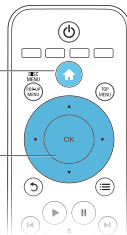


1



2

3







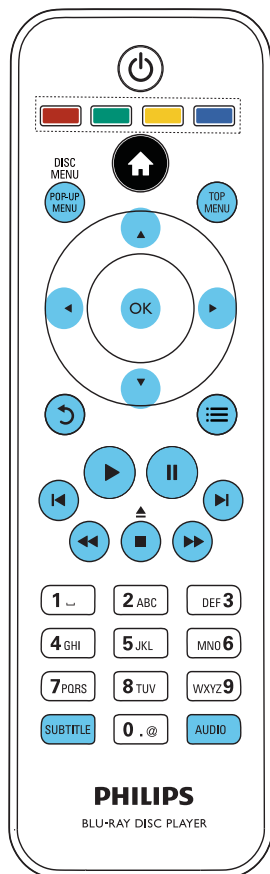
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## 2 Uso del reproductor de Blu-ray / DVD

Felicitaciones por su compra y bienvenido a Philips. Para poder beneficiarse por completo de los servicios de asistencia técnica de Philips (por ejemplo, las actualizaciones de software del producto), registre su producto en [www.philips.com/welcome](http://www.philips.com/welcome).

### Controles básicos de reproducción



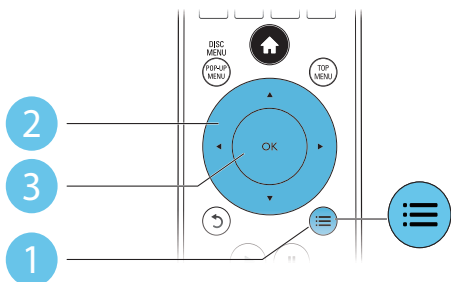
Pulse los siguientes botones para controlar la reproducción.

Botón	Acción
▲ / ■	Detiene la reproducción. Mantenga pulsado (más de 4 segundos) para abrir o cerrar la bandeja de discos.
⏸	Hace una pausa en la reproducción. Pulse varias veces para avanzar lentamente cuadro por cuadro.
▶	Inicia o reanuda la reproducción.
⏮ / ⏭	Pasa la pista, capítulo o archivo anterior o siguiente.
⏪ / ⏩	Realiza búsquedas rápidas hacia atrás o hacia adelante. Pulse varias veces para incrementar la velocidad de búsqueda. Pulse ⏸ una vez y, a continuación, pulse ⏩ para avanzar lentamente.
AUDIO	Selecciona un idioma o canal de audio.
SUBTITLE	Selecciona el idioma de los subtítulos.
DISC MENU / POP-UP MENU	Accede o sale del menú del disco.
TOP MENU	Permite acceder al menú principal de un disco de video.
Botones de color	Selecciona tareas u opciones para los discos Blu-ray.
▲▼◀▶	Navega a través de los menús. Pulse ▲▼ para girar una imagen a la derecha o a la izquierda durante la secuencia de diapositivas.
OK	Confirma una selección o una entrada.
↶	Regresa al menú de pantalla anterior.
☰	Permite acceder a más opciones durante la reproducción.

## Opciones de video, audio e imagen

Hay más opciones disponibles para la reproducción de video o imágenes desde un disco o un dispositivo de almacenamiento USB.

### Opciones de video



Permite acceder a más opciones durante la reproducción de video.

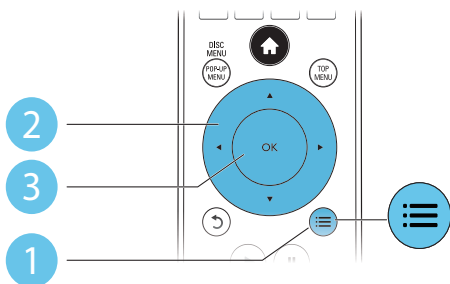
- **[Idioma de audio]:** selecciona un idioma de audio.
- **[Idioma de subtítulos]:** selecciona el idioma de los subtítulos.
- **[Cambio de subtítulos]:** cambia la posición de los subtítulos en la pantalla. Pulse ▲▼ para cambiar la posición de los subtítulos.
- **[Información]:** muestra la información de reproducción.
- **[Conjunto de caracteres]:** selecciona un conjunto de caracteres compatible con los subtítulos de video DivX (sólo para videos DivX).
- **[Búsqueda de tiempo]:** avanza a una hora específica mediante los botones numéricos del control remoto.
- **[2do idioma de audio]:** selecciona el segundo idioma de audio (sólo para discos Blu-ray compatibles con BonusView).
- **[2do idioma subtítulos]:** selecciona el segundo idioma de subtítulos (sólo para discos Blu-ray compatibles con BonusView).
- **[Títulos]:** selecciona un título.
- **[Capítulos]:** selecciona un capítulo.
- **[Lista de ángulos]:** selecciona un ángulo de cámara.
- **[Menús]:** muestra el menú del disco.
- **[Selección PIP]:** muestra la ventana de la función Picture-in-Picture.
- **[Acercar]:** amplía una imagen de video. Pulse ◀▶ para seleccionar un grado de zoom.
- **[Repetir]:** repite un capítulo o un título.
- **[Repetir A-B]:** marca dos puntos de un capítulo para repetir la reproducción o desactiva el modo de repetición.
- **[Ajustes de imagen]:** selecciona un ajuste de color predefinido.

#### Nota

- Las opciones de video disponibles dependen de la fuente de video.

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## Opciones de imagen

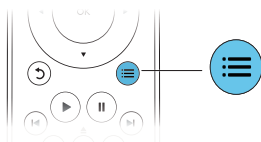


Puede acceder a más opciones durante la secuencia de diapositivas.

- **[Rotar +90]:** gira una imagen 90 grados a la derecha.
- **[Rotar -90]:** gira una imagen 90 grados a la izquierda.
- **[Acercar]:** amplía una imagen. Pulse ◀▶ para seleccionar un grado de zoom.
- **[Información]:** muestra la información de la imagen.
- **[Duración por diapos.]:** configura un intervalo de reproducción para una secuencia de diapositivas.
- **[Animación con diap.]:** selecciona un efecto de transición para una secuencia de diapositivas.
- **[Ajustes de imagen]:** selecciona un ajuste de color predefinido.
- **[Repetir]:** repite una carpeta seleccionada.

---

## Opciones de audio




Pulse ≡ varias veces para desplazarse por las siguientes opciones.

- Repite la pista actual.
- Repite todas las pistas del disco o la carpeta.
- Reproduce las pistas de audio en orden aleatorio.
- Desactiva el modo de repetición.


## Videos DivX

Puede reproducir videos DivX almacenados en un disco o dispositivo de almacenamiento USB.

### código VOD para DivX

- Antes de comprar videos DivX y reproducirlos en este reproductor, registre el reproductor en [www.divx.com](http://www.divx.com) con el código de DivX VOD.
- Para conocer el código de DivX VOD, pulse  y seleccione **[Configuración]** > **[Avanzada]** > **[Código DivX® VOD]**.

### subtítulos DivX

- Pulse **SUBTITLE** para seleccionar el idioma.
- Si los subtítulos no aparecen correctamente, seleccione el conjunto de caracteres compatibles con los subtítulos DivX. Para seleccionar un conjunto de caracteres, pulse  y seleccione **[Conjunto de caracteres]**.




Conjunto de caracteres	Idiomas
<b>[Estándar]</b>	Inglés, albanés, danés, holandés, finlandés, francés, gaélico, alemán, italiano, curdo (latín), noruego, portugués, español, sueco y turco
<b>[Europa central]</b>	Albanés, croata, checo, holandés, inglés, alemán, húngaro, irlandés, polaco, rumano, eslovaco, esloveno y serbio
<b>[Cirílico]</b>	Búlgaro, bielorruso, inglés, macedonio, moldavo, ruso serbio y ucraniano
<b>[Griego]</b>	Griego

### Nota

- Para reproducir archivos DivX protegidos por DRM desde un dispositivo de almacenamiento USB, conecte el reproductor a un televisor a través de HDMI.
- Para utilizar los subtítulos, verifique que el archivo de subtítulos tenga el mismo nombre que el archivo de video DivX. Por ejemplo, si el nombre del archivo de video DivX es "movie.avi", guarde el archivo de subtítulos con el nombre "movie.srt" o "movie.sub".
- Este reproductor es compatible con archivos de subtítulos que tengan los siguientes formatos: srt, .sub, .txt, .ssa o .smi.

## Reproducción de una secuencia de diapositivas con música


Reproduzca música e imágenes de forma simultánea para crear una secuencia de diapositivas con música.

- 1 Reproduzca un archivo de música desde un disco o dispositivo de almacenamiento USB conectado.
- 2 Pulse  y acceda a la carpeta de imágenes.
- 3 Seleccione una imagen del mismo disco o dispositivo USB y pulse **OK** para iniciar la secuencia de diapositivas.
- 4 Pulse  para detener la secuencia de diapositivas.
- 5 Pulse  nuevamente para detener la reproducción de música.

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## Uso de BonusView en Blu-ray

Puede ver contenidos especiales (como comentarios) en una ventana pequeña de la pantalla. Esta función sólo se encuentra disponible para los discos Blu-ray compatibles con BonusView (también conocido como Picture-in-Picture).


- 1 Durante la reproducción, pulse .  
↳ Aparecerá el menú de opciones.
- 2 Seleccione **[Selección PIP] > [PIP]** y pulse **OK**.  
↳ Las opciones PIP [1]/[2] varían según el contenido del video.  
↳ Aparecerá la ventana de video secundaria.
- 3 Seleccione **[2do idioma de audio]** o **[2do idioma subtítulos]** y pulse **OK**.

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## Acceso a BD-Live en Blu-ray

Acceda a servicios en línea exclusivos, como avances de películas, juegos, tonos de llamada y otros contenidos adicionales.

Esta función sólo se aplica a discos Blu-ray con contenido de BD-Live.

- 1 Prepare la conexión a Internet y configure una red (consulte el capítulo "Instalación de la red").
- 2 Conecte un dispositivo de almacenamiento USB en el reproductor.
  - La unidad USB se usa para guardar el contenido de BD-Live.
  - Si desea borrar los contenidos de BD-Live que descargó anteriormente en el dispositivo USB para liberar espacio en la memoria, pulse  y seleccione **[Configuración] > [Avanzada] > [Borrar memoria]**.
- 3 Reproduzca un disco con contenido de BD-Live.
- 4 En el menú del disco, seleccione el icono de BD-Live y pulse **OK**.  
↳ BD-Live comenzará a cargarse. El tiempo de carga depende del disco y de la conexión a Internet.
- 5 En la interfaz de BD-Live, seleccione la opción a la que desea acceder.



### Nota

- Los servicios de BD-Live varían según el país y el disco.
- Al utilizar BD-Live, el proveedor de contenidos accede a los datos del disco y del reproductor.
- Utilice una unidad USB con 1 GB de espacio libre como mínimo para almacenar los archivos descargados.

## Instalación de la red

Conecte el reproductor a una red informática y a Internet para acceder a estos servicios:

- **BD-Live:** acceda a funciones adicionales en línea (para discos Blu-ray con contenido de BD-Live)
- **Actualización de software:** actualice el software del reproductor a través de Internet.

### Nota

- Para la conexión inalámbrica debe utilizar un adaptador USB Wi-Fi de Philips opcional (modelo WUB1110).
- El adaptador USB Wi-Fi (WUB1110) no está incluido. Para adquirir el adaptador, ingrese en [shop.philips.com](http://shop.philips.com). Si la tienda en línea de Philips no está disponible en su país, comuníquese con el servicio al cliente de Philips. Para obtener los datos de contacto, visite [www.philips.com/support](http://www.philips.com/support).

**1** Conecte el reproductor a una red informática y a Internet a través de una conexión con cables (Ethernet) o inalámbrica.

- En el caso de Wi-Fi, conecte un adaptador USB Wi-Fi de Philips (modelo WUB1110) en el puerto **Wi-Fi** situado en la parte posterior del dispositivo.



**2** Realice la instalación de la red.

- 1), Pulse **⬆**.
- 2), Seleccione **[Configuración]** y pulse **OK**.
- 3), Seleccione **[Red] > [Instalación de red]** y pulse **OK**.
- 4), Siga las instrucciones que aparecen en la pantalla del televisor para completar la instalación.

### ! Precaución

- Antes de conectarse a una red, procure familiarizarse con el router de red y los conceptos relacionados con redes. Si es necesario, lea la información incluida con los componentes de red. Philips no se hace responsable por los datos perdidos o dañados.

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## Uso de Philips EasyLink

Este reproductor es compatible con Philips EasyLink, que utiliza el protocolo HDMI CEC (Consumer Electronics Control). Puede usar un solo control remoto para controlar los dispositivos compatibles con EasyLink que están conectados mediante HDMI. Philips no garantiza una interoperatividad total con todos los dispositivos HDMI CEC.

- 1** Conecte los dispositivos compatibles con HDMI CEC a través de HDMI y active las funciones HDMI CEC en el televisor y en los demás dispositivos conectados (para obtener más información, consulte el manual del usuario del televisor o de los dispositivos).
- 2** Pulse **⬆**.
- 3** Seleccione **[Configuración]** > **[EasyLink]**.
- 4** Seleccione **[Encendido]** en las opciones **[EasyLink]**, **[Reproducción con un solo botón]** y **[Modo de espera con un solo botón]**.
  - ↳ La función EasyLink se activará.

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### Reproducción con un solo botón

Cuando reproduce un disco en el reproductor, el televisor cambia automáticamente a la fuente de entrada de video correcta.

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### Modo de espera con un solo botón

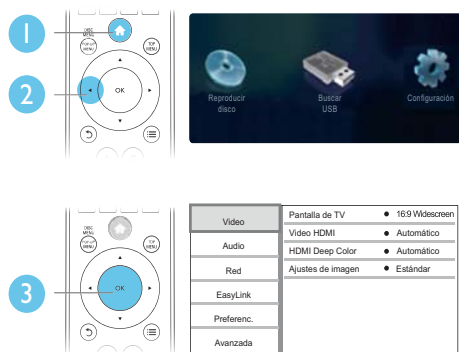
Cuando un dispositivo conectado (por ejemplo, un televisor) pasa al modo de espera mediante su propio control remoto, el reproductor pasa al modo de espera automáticamente.

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## 3 Cambio de los ajustes

En esta sección encontrará más información sobre cómo cambiar los ajustes del reproductor.



### Nota

- No puede modificar las opciones de menú que aparecen deshabilitadas (en gris).
- Para volver al menú anterior, pulse . Para salir del menú, pulse .

## Imagen

- 1 Pulse .
- 2 Seleccione **[Configuración]** > **[Video]** para acceder a las opciones de configuración de video.
  - **[Pantalla de TV]**: selecciona un formato de visualización de imágenes que se ajuste a la pantalla del televisor.
  - **[Video HDMI]**: selecciona una resolución de video HDMI.
  - **[HDMI Deep Color]**: reproduce los colores con más sombras y matices si el contenido de video está grabado con Deep Color y el televisor admite esta función.
  - **[Ajustes de imagen]**: selecciona un ajuste de color predefinido.

### Nota

- Si modifica el ajuste, verifique que el televisor admita el nuevo ajuste.
- Para los ajustes relacionados con HDMI, el televisor debe estar conectado con este cable.
- Para la conexión compuesta (a través del conector **VIDEO**), seleccione una resolución de video de 480i/576i o 480p/576p en **[Video HDMI]** para activar la salida de video.

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## Sonido

1 Pulse .

2 Seleccione **[Configuración]** > **[Audio]** para acceder a las opciones de configuración de audio.

- **[Modo nocturno]**: selecciona un sonido bajo o completamente dinámico. El modo nocturno reduce el volumen de los sonidos altos y aumenta el de los sonidos suaves (por ejemplo, las conversaciones).
- **[Neo 6]**: activa o desactiva un efecto de sonido envolvente que se convierte a partir del audio de 2 canales.
- **[Audio HDMI]**: selecciona un formato de audio HDMI cuando el reproductor está conectado a través de HDMI.
- **[Audio digital]**: selecciona un formato de audio para la salida de sonido cuando el reproductor está conectado a través de un conector digital (coaxial).
- **[Reducción de resol. PCM]**: ajusta la velocidad de muestreo para la salida de audio PCM cuando el reproductor está conectado a través de un conector digital (coaxial).



### Nota

- Para los ajustes relacionados con HDMI, el televisor debe estar conectado con este cable.
- El modo nocturno sólo está disponible para los DVD con codificación Dolby y los discos Blu-ray.

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## Red (instalación, estado...)

1 Pulse .

2 Seleccione **[Configuración]** > **[Red]** para acceder a las opciones de configuración de red.

- **[Instalación de red]**: inicia una instalación mediante cables o inalámbrica para hacer funcionar la red.
- **[Ver los ajustes de red]**: muestra el estado actual de la red.
- **[Ver los ajustes inalámbricos]**: muestra el estado actual de la red Wi-Fi.

## Preferencias (idiomas, control paterno...)

- 1 Pulse .
- 2 Seleccione **[Configuración]** > **[Preferenc.]** para acceder a las opciones de configuración de preferencias.
  - **[Idioma del menú]:** selecciona un idioma para el menú en pantalla.
  - **[Audio]:** selecciona un idioma de audio para los videos.
  - **[Subtítulos]:** selecciona un idioma para los subtítulos de video.
  - **[Menú del disco]:** selecciona un idioma de menú para un disco de video.
  - **[Control para padres]:** restringe el acceso a los discos grabados con clasificaciones. Introduzca «0000» para acceder a las opciones de restricción. Para reproducir todos los discos, independientemente de su nivel de clasificación, seleccione el nivel «8».
  - **[Protector de pantalla]:** activa o desactiva el modo de protector de pantalla. Si está activado, la pantalla pasará al modo de inactividad después de 10 minutos de inactividad (por ejemplo en modo de pausa o interrupción).
  - **[Cambio de subtítulos automático]:** activa o desactiva el desplazamiento de los subtítulos. Si está activada la opción, la posición de los subtítulos cambia automáticamente para ajustarse a la pantalla del televisor (esta característica funciona sólo en algunos televisores Philips).
  - **[Cambiar contraseña]:** selecciona o cambia una contraseña para reproducir un disco restringido. Ingrese «0000» si no tiene una contraseña o si la ha olvidado.
  - **[Panel de pantalla]:** cambia el brillo del panel de visualización del reproductor.
  - **[Modo de espera automático]:** activa o desactiva el modo de espera automático. Si esta opción está activada, el reproductor pasa al modo de espera después de 30 minutos de inactividad (por ejemplo, en modo de pausa o detención).
  - **[VCD PBC]:** muestra u omite el menú de contenido en discos VCD y SVCD.

### Nota

- Si el idioma que busca no está disponible entre los idiomas de disco, audio o subtítulos, puede seleccionar **[Otro]** en las opciones de menú e introducir el código de idioma de 4 dígitos que se encuentra en la parte posterior de este manual del usuario.
- Si selecciona un idioma que no está disponible en un disco, el reproductor utilizará el idioma predeterminado del disco.

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## Opciones avanzadas (seguridad de BD-Live, liberación de espacio en la memoria...)

1 Pulse .

2 Seleccione **[Configuración]** > **[Avanzada]** para acceder a las opciones de configuración avanzadas.

- **[Seguridad BD-Live]:** restringe o permite el acceso a BD-Live (sólo para discos BD-Live no comerciales creados por el usuario).
- **[Actualización de software]:** seleccione esta opción para actualizar el software desde una red o desde un dispositivo de almacenamiento USB.
- **[Borrar memoria]:** borra la descarga anterior de BD-Live del dispositivo de almacenamiento USB. Se crea automáticamente una carpeta llamada "BUDA" para almacenar los datos descargados de BD-Live.
- **[Código DivX® VOD]:** muestra el código de registro o el código de anulación de registro DivX® para el reproductor.
- **[Información de la versión.]:** muestra la versión de software del reproductor.
- **[Restaurar ajustes predet.]:** restablece los ajustes del reproductor a la configuración predeterminada de fábrica.

### Nota

- No puede restringir el acceso a Internet en los discos Blu-ray comerciales.
- Antes de comprar videos DivX y reproducirlos en su reproductor, registre el reproductor en [www.divx.com](http://www.divx.com) con el código de DivX VOD.
- No es posible restaurar el ajuste del control paterno a los valores predeterminados.

## 4 Actualización de software

Antes de actualizar el software del reproductor, compruebe la versión actual del software:

- Pulse **⬆** y, a continuación, seleccione **[Configuración] > [Avanzada] > [Información de la versión.]**, y pulse **OK**.

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### Actualización de software a través de Internet

- 1 Conecte el reproductor a Internet (consulte el capítulo “Instalación de la red”).
- 2 Pulse **⬆** y seleccione **[Configuración]**.
- 3 Seleccione **[Avanzada] > [Actualización de software] > [Red]**.
  - ↳ Si se detecta un soporte de actualización, el sistema le solicitará que inicie la actualización.
- 4 Siga las instrucciones que aparecen en la pantalla del televisor para actualizar el software.
  - ↳ Cuando la actualización finalice, el reproductor se apagará y volverá a encenderse automáticamente.

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### Actualización de software mediante USB

- 1 Obtenga la versión de software más reciente en [www.philips.com/support](http://www.philips.com/support).
  - Busque su modelo y haga clic en “Software y controladores”.
- 2 Descargue el software en un dispositivo de almacenamiento USB.
  - ① Descomprima el archivo descargado y verifique que la carpeta descomprimida tenga el nombre “UPG\_ALL”.
  - ② Coloque la carpeta “UPG\_ALL” en el directorio raíz.
- 3 Conecte el dispositivo de almacenamiento USB al conector **⚡ (USB)** del reproductor.
- 4 Pulse **⬆** y seleccione **[Configuración]**.
- 5 Seleccione **[Avanzada] > [Actualización de software] > [USB]**.
  - ↳ Si se detecta un soporte de actualización, el sistema le solicitará que inicie la actualización.
- 6 Siga las instrucciones que aparecen en la pantalla del televisor para actualizar el software.
  - ↳ Cuando la actualización finalice, el reproductor se apagará y volverá a encenderse automáticamente.



#### Precaución

- Para evitar daños en el reproductor, no apague ni desconecte el dispositivo de almacenamiento USB durante la actualización del software.



# 5 Especificaciones

## Nota

- Las especificaciones están sujetas a cambio sin previo aviso.

### Código de región

Este reproductor puede reproducir discos con los siguientes códigos de región.

DVD	Blu-ray	Países
		América Latina

### Formatos de reproducción compatibles

- BD-video
- DVD-Video, DVD+R/+RW, DVD-R/-RW, DVD+R/-R DL (doble capa)
- VCD/SVCD
- CD de audio, CD-R/CD-RW, archivos MP3, WMA, JPEG
- DivX (Ultra) / DivX Plus HD, MKV
- unidad de almacenamiento USB

### Formatos de archivo

- Video: .avi, .divx, .mp4, .mkv
- Audio: .mp3, .wma, .wav
- Imagen: .jpg, .gif, .png

### Video

- Sistema de señal: PAL/NTSC
- Salida de video compuesto: 1 Vp-p (75 ohmios)
- Salida HDMI: 480p, 576p, 720p, 1080i, 1080p, 1080p24

### Audio

- Salida analógica de 2 canales
  - Audio frontal I+D: 2 Vrms (> 1 kohmio)
- Salida digital: 0,5 Vp-p (75 ohmios)
  - Coaxial
- Salida HDMI
- Frecuencia de muestreo:
  - MP3: 32 kHz, 44,1 kHz, 48 kHz
  - WMA: 44,1 kHz, 48 kHz
- Frecuencia de bits constante:
  - MP3: 112 kbps - 320 kpbs
  - WMA: 48 kpbs - 192 kpbs

## USB

- Compatibilidad: USB (2.0) de alta velocidad
- Estándar compatible: UMS (clase de almacenamiento masivo USB)
- Sistema de archivos: FAT16, FAT32
- Compatible con HDD (disco duro portátil): es posible que se necesite una fuente de alimentación externa.

## Unidad principal

- Clasificación de la fuente de alimentación: CA 110 - 240 V~, 50 Hz - 60 Hz
- Consumo de energía: 18 W
- Consumo de energía en el modo de espera: < 0,25 W
- Dimensiones (ancho x alto x profundidad): 435 x 42 x 208,5 (mm)
- Peso neto: 1,65 kg

## Accesorios incluidos

- Control remoto y baterías
- Manual del usuario
- Cable HDMI
- Cable de alimentación de CA

## Accesorio opcional

- Adaptador USB inalámbrico Philips (modelo WUB1110, se vende por separado)
  - Conexiones multimedia: Wi-Fi 802,11b/g/n
  - Conectividad: conexión trasera (USB)
  - Temperatura ambiente: entre 5 °C y 40 °C.
  - Dimensiones del dongle (ancho x alto x profundidad): 28,4 x 82 x 13,4 mm

## Especificación de láser

- Tipo de láser (diodo): AlGaInN (BD), AlGaInP (DVD/CD)
- Longitud de onda: 405+7 nm/-7 nm (BD), 655+10 nm/-10 nm (DVD), 790+10/-20 nm (CD)
- Potencia de salida: 1 mW (BD); 0,26 mW (DVD); 0,3 mW (CD)

# 6 Solución de problemas



## Advertencia

- Riesgo de shock eléctrico. No extraiga la carcasa del reproductor.

No intente reparar el reproductor usted mismo pues la garantía podría perder validez.

Si detecta algún problema durante el uso de este reproductor, compruebe los siguientes puntos antes de comunicarse con el servicio de reparaciones. Si el problema persiste, registre el reproductor y solicite asistencia en [www.philips.com/welcome](http://www.philips.com/welcome).

Si se comunica con Philips, le solicitarán el número de serie y de modelo de este reproductor. Estos números figuran en la parte trasera del aparato. Escriba los números aquí:

Número de modelo \_\_\_\_\_

Número de serie \_\_\_\_\_

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## Unidad principal

### Los botones del reproductor no funcionan.

- Desconecte el reproductor de la fuente de alimentación durante unos minutos y, a continuación, vuelva a conectarlo.


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## Imagen

### No hay imagen.

- Asegúrese de que el televisor tenga seleccionada la fuente de entrada adecuada para el reproductor.
- Para la conexión compuesta al televisor (a través del conector **VIDEO**), seleccione en el reproductor una resolución de video de 480i/576i o 480p/576p en [**Video HDMI**] para activar la salida de video.

### No hay imagen en la conexión HDMI.

- Verifique que el cable HDMI no esté dañado. Si presenta daños, reemplácelo por un cable HDMI nuevo.
- Pulse  en el control remoto y, a continuación, presione "731" (botones numéricos) para recuperar la imagen. Otra alternativa es esperar 10 segundos para la recuperación automática.
- Si el reproductor está conectado a un dispositivo de visualización no autorizado mediante un cable HDMI, es posible que no funcione la salida de las señales de audio y video.

### El disco no reproduce videos en alta definición.

- Asegúrese de que el disco contenga video de alta definición.
- Asegúrese de que el televisor admita video de alta definición.



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## Sonido

### No hay salida de audio del televisor.

- Asegúrese de que los cables de audio estén conectados a la entrada de audio del televisor.
- Asegúrese de que el televisor tenga seleccionada la fuente de entrada adecuada para el reproductor.

### No hay salida de audio de los altavoces del dispositivo de audio externo (sistema de Home Theater o amplificador).

- Verifique que los cables de audio estén conectados a la entrada de audio del dispositivo de audio.
- Pase el dispositivo de audio externo a la entrada correcta para la fuente de audio.

### No hay sonido en la conexión HDMI.

- Si el dispositivo conectado no es compatible con HDCP, o si sólo es compatible con DVI, es posible que la salida HDMI no emita ningún sonido.

### No hay salida de audio secundaria para la función Picture-in-Picture.

- Cuando se selecciona [Secuencia de bits] en el menú [Audio HDMI] o [Audio digital], se anula el sonido interactivo, como por ejemplo el sonido secundario para la función Picture-in-Picture. Anule la selección de [Secuencia de bits].

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## Reproducción

### No se puede reproducir el disco.

- Limpie el disco.
- Verifique que el disco esté cargado correctamente.
- Asegúrese de que el reproductor sea compatible con el disco. Consulte la sección sobre especificaciones del producto.
- Asegúrese de que el reproductor admita el código de región del DVD o BD.
- En el caso de DVD±RW o DVD±RW, asegúrese de que el disco esté finalizado.

### No pueden reproducirse archivos de video DivX.

- Asegúrese de que el archivo de video DivX esté completo.
- Compruebe que la extensión del archivo sea correcta.
- Para reproducir archivos DivX protegidos por DRM desde un dispositivo de almacenamiento USB, conecte el reproductor a un televisor a través de HDMI.

### Los subtítulos de DivX no se ven correctamente.

- Compruebe que el archivo de subtítulos tenga exactamente el mismo nombre que el archivo de video DivX.
- Asegúrese de que el archivo de subtítulos tenga un nombre de extensión compatible con el reproductor (.srt, .sub, .txt, .ssa o .smi).

### No puede leerse el contenido de un dispositivo de almacenamiento USB conectado.

- Asegúrese de que el formato del dispositivo de almacenamiento USB sea compatible con el reproductor.
- Asegúrese de que el sistema de archivos del dispositivo de almacenamiento USB sea compatible con el sistema del reproductor.
- En el caso de un disco duro portátil (HDD), es posible que se necesite una fuente de alimentación externa.

### Aparecerá el mensaje “No hay entrada” o “x” en el televisor.

- No puede realizarse la operación.

### **La función EasyLink no funciona.**

- Asegúrese de que el reproductor esté conectado a un televisor Philips con EasyLink y que la opción EasyLink esté activada (consulte "Uso del reproductor de Blu-ray / DVD" > "Uso de Philips EasyLink").

### **No se puede acceder a las funciones de BD-Live.**

- Asegúrese de que el reproductor esté conectado a la red (consulte "Uso del reproductor de Blu-ray / DVD" > "Instalación de la red").
- Verifique que se haya realizado la instalación de la red (consulte "Uso del reproductor de Blu-ray / DVD" > "Instalación de la red").
- Verifique que el disco Blu-ray sea compatible con la función BD-Live.
- Libere espacio en la memoria. Consulte "Cambio de los ajustes" > "Opciones avanzadas (seguridad de BD-Live, liberación de espacio en la memoria...)".

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## **Red**

### **No se encuentra la red inalámbrica o hay interferencias.**

- Verifique que las ondas de los hornos microondas, teléfonos DECT y otros dispositivos inalámbricos cercanos no provoquen interferencias en la red inalámbrica.
- Si la red inalámbrica no funciona correctamente, pruebe una instalación de red por medio de cables (consulte "Instalación de la red").

# 7 Nota importante sobre seguridad

Procure leer y comprender todas las instrucciones antes de utilizar este reproductor de Blu-ray / DVD. La garantía no cubre los daños derivados del incumplimiento de las instrucciones.

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## Seguridad

### Riesgo de electrocución o incendio.

- Nunca exponga el producto ni los accesorios a la lluvia ni al agua. Nunca coloque contenedores de líquidos, como jarrones, cerca del producto. Si se derrama algún líquido sobre el producto o en su interior, desconéctelo de la toma de alimentación inmediatamente. Póngase en contacto con el servicio de atención al cliente de Philips para comprobar el dispositivo antes de usarlo.
- No coloque nunca el producto ni los accesorios cerca de llamas u otras fuentes de calor; incluso la luz solar directa.
- No inserte objetos en las ranuras de ventilación ni en las aberturas del producto.
- Si utiliza el enchufe principal u otro conector como dispositivo de desconexión, debe estar en una ubicación accesible.
- Antes de que se produzca una tormenta eléctrica, desconecte el producto de la toma de alimentación.
- Para desconectar el cable de alimentación, tire siempre del enchufe, nunca del cable.

### Riesgo de cortocircuito o incendio.

- Antes de conectar el producto a la toma de alimentación, asegúrese de que el voltaje de alimentación se corresponda con el valor impreso en la parte posterior o inferior del producto. Nunca conecte el producto a la toma de alimentación si el voltaje es distinto.

### Riesgos de lesiones o daños al producto.

- Radiación láser visible e invisible cuando está abierto. No exponer a los rayos de luz.
- No toque la lente óptica del disco que se encuentra dentro de la bandeja de discos.
- Nunca coloque el producto ni ningún otro objeto sobre cables de alimentación u otros equipos eléctricos.
- Si el producto se transporta a temperaturas inferiores a 5 °C, desembálelo y espere hasta que su temperatura se equipare con la temperatura ambiente antes de conectarlo a la toma de alimentación.

### Riesgo de sobrecalentamiento.

- Nunca instale este producto en un espacio reducido. Deje siempre un espacio de 10 cm, como mínimo, alrededor del producto para que se ventile. Asegúrese de que las ranuras de ventilación del producto no estén cubiertas por cortinas u otros objetos.

### Riesgo de contaminación.

- No utilice baterías de distintas clases (nuevas y usadas o de carbono y alcalinas, etc.).
- Retire las baterías cuando estén agotadas o cuando no utilice el control remoto durante un período prolongado.
- Las baterías contienen sustancias químicas y deben desecharse de forma adecuada.

### Riesgo de deglución de baterías

- El producto / control remoto puede contener una batería tipo botón fácil de tragar.
- Siempre mantenga las baterías lejos del alcance de los niños.



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## Protección del producto

- No introduzca ningún objeto que no sean discos en la bandeja de discos.
- No introduzca ningún disco deformado o roto en la bandeja de discos.
- Extraiga los discos de la bandeja si sabe que no utilizará el producto durante un período prolongado.
- Utilice únicamente un paño de microfibra para limpiar el producto.

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## Cuidado del medio ambiente



Este producto ha sido diseñado y fabricado con materiales y componentes de alta calidad que pueden reciclarse y reutilizarse.

Nunca deseche el producto con el resto de la basura doméstica. Infórmese sobre las normas locales sobre la recolección selectiva de baterías y productos eléctricos y electrónicos. La eliminación correcta de este tipo de productos ayuda a evitar consecuencias potencialmente negativas para el medio ambiente y la salud humana.

Este producto contiene baterías que no pueden desecharse con los residuos normales del hogar. Infórmese de la reglamentación local sobre la recolección de baterías por separado. La correcta eliminación de baterías ayuda a evitar posibles consecuencias negativas al medio ambiente y la salud. Visite [www.recycle.philips.com](http://www.recycle.philips.com) para obtener más información sobre los centros de reciclaje de su zona.

## Derechos de propiedad intelectual



Be responsible  
Respect copyrights

Este producto ofrece tecnología de protección contra copias protegida por patentes de Estados Unidos y otros derechos de propiedad intelectual de Rovi Corporation. Queda prohibido realizar tareas de ingeniería inversa y desarmar el producto.

### Software de código abierto

Por medio del presente, Philips Electronics Hong Kong Ltd. se compromete a entregar una copia completa del código fuente correspondiente a los paquetes de software de código abierto protegidos por derechos de propiedad intelectual utilizados en este producto a los titulares de licencias que así lo soliciten.

Esta oferta es válida dentro de los tres años posteriores a la adquisición del producto para cualquier persona que conozca esta información. Para obtener el código fuente, envíe un mensaje de correo electrónico a la siguiente dirección: [open.source@philips.com](mailto:open.source@philips.com). Si prefiere no comunicarse por correo electrónico o si no recibe la confirmación de recepción del mensaje dentro de la semana posterior al envío, escriba a "Open Source Team, Philips Intellectual Property & Standards, P.O. Box 220, 5600 AE Eindhoven, The Netherlands". Si no recibe confirmación oportuna de recepción de su carta, envíe un mensaje de correo electrónico a la dirección que se mencionó anteriormente.

## Marcas comerciales



Blu-ray Disc

'Blu-ray Disc' y el logotipo de 'Blu-ray Disc' son marcas comerciales.



HDMI

HDMI, el logotipo de HDMI y High-Definition Multimedia Interface son marcas comerciales o marcas comerciales registradas de HDMI Licensing LLC en los Estados Unidos y en otros países.



TRUE HD

DIGITAL PLUS

Fabricado en virtud de una licencia de Dolby Laboratories. Dolby y el símbolo de doble D son marcas comerciales de Dolby Laboratories.



Master Audio

Fabricado con licencia de acuerdo con los números de patente de los Estados Unidos 5.451.942; 5.956.674; 5.974.380; 5.978.762; 6.226.616; 6.487.535; 7.212.872; 7.333.929; 7.392.195; 7.272.567 y otros. de Estados Unidos y de todo el mundo publicadas y pendientes. DTS y el símbolo son marcas comerciales registradas, DTS-HD, DTS-HD Master Audio y los logotipos de DTS son marcas comerciales de DTS, Inc. El producto incluye software. © DTS, Inc. Todos los derechos reservados.



ACERCA DEL VIDEO DIVX: DivX® es un formato de video digital creado por DivX, Inc. Este dispositivo es un producto DivX Certified® oficial que reproduce videos DivX. Para obtener más información sobre DivX y acceder a las herramientas de software disponibles para convertir archivos al formato de video DivX, visite [divx.com](http://divx.com).

ACERCA DE DIVX VIDEO-ON-DEMAND: este dispositivo DivX Certified® debe estar registrado para poder reproducir películas DivX Video-on-Demand (VOD). Para obtener el código de registro, consulte la sección DivX VOD en el menú de configuración de su dispositivo. Ingrese en [vod.divx.com](http://vod.divx.com) para obtener más información sobre cómo completar el proceso de registro.

DivX®, DivX Certified®, DivX Plus™ HD y los logotipos relacionados son marcas comerciales registradas de DivX, Inc. y se utilizan en virtud de una licencia.

Certificación DivX Certified® para reproducir videos DivX® y DivX Plus™ HD (H.264/MKV) de hasta 1080p HD con contenido exclusivo.

**AVCHD™** 'AVCHD' y el logotipo de 'AVCHD' son marcas comerciales de Matsushita Electric Industrial Co., Ltd y Sony Corporation.



**BONUSVIEW™**

«BD LIVE» y «BONUSVIEW» son marcas comerciales de Blu-ray Disc Association.



'DVD Video' es una marca comercial de DVD Format/Logo Licensing Corporation.



Java y el resto de marcas comerciales y logotipos de Java son marcas comerciales o marcas comerciales registradas de Sun Microsystems, Inc. en EE. UU. y/ u otros países.

# Certificado de Garantía en Argentina

**Artefacto:**

**Fabricante/Importador: Philips Argentina S.A.  
y/o Fábrica Austral de Productos Eléctricos S.A.**

**Dirección: Vedia 3892 - Buenos Aires**

**Fecha de Venta:**

**Modelo:**

--

**Nro. de serie**

Firma y sello de la casa vendedora.

PHILIPS ARGENTINA S.A. en adelante denominada “la empresa”, garantiza al comprador de este artefacto por el término de (1) año a partir de la fecha de adquisición, el normal funcionamiento contra cualquier defecto de fabricación y/o vicio de material, y se compromete a reparar el mismo —sin cargo alguno para el adquirente— cuando el mismo fallare en situaciones normales de uso y bajo las condiciones que a continuación se detallan:

1. Este certificado de garantía es válido únicamente en la Republica Argentina. El certificado debe ser completado por la casa vendedora y ser presentado por el usuario conjuntamente con la factura original de compra.
2. Serán causas de anulación de esta garantía en los casos que corresponda:
  - 2.1. Uso impropio o distinto del uso doméstico.
  - 2.2. Exceso o caídas de tensión eléctrica que impliquen uso en condiciones anormales.
  - 2.3. Instalación y/o uso en condiciones distintas a las marcadas en el “Manual de instalación y uso” que se adjunta a esta garantía.
  - 2.4. Cualquier intervención al artefacto por terceros no autorizados por la empresa.
3. La garantía carecerá de validez si se observare lo siguiente:
  - 3.1. Enmiendas o raspaduras en los datos del certificado de garantía o factura.
  - 3.2. Falta de factura original de compra que detalle tipo de artefacto, modelo, número de serie y fecha que coincida con los del encabezamiento del presente certificado.
4. No están cubiertos por esta garantía los siguientes casos:
  - 4.1. Los daños ocasionados al exterior del gabinete.
  - 4.2. Las roturas, golpes, caídas o rayaduras causadas por traslados.
  - 4.3. Los daños o fallas ocasionados por deficiencias, sobretensiones, descargas o interrupciones del circuito de alimentación eléctrica o rayos, deficiencias en la instalación eléctrica del domicilio del usuario o conexión del artefacto a redes que no sean las especificadas en el Manual de Uso del mismo.
  - 4.4. Las fallas, daños, roturas o desgastes producidos por el maltrato o uso indebido del artefacto y/o causadas por inundaciones, incendios, terremotos, tormentas eléctricas, golpes o accidentes de cualquier naturaleza.
  - 4.5. Las fallas o daños ocasionados en desperfectos en la línea telefónica.
  - 4.6. Las fallas producidas por una mala recepción ocasionada en el uso de una antena deficiente o en señales de transmisión débiles.
5. Las condiciones de instalación y uso del artefacto se encuentran detalladas en el Manual de Uso del mismo.
6. La empresa no asume responsabilidad alguna por los daños personales o a la propiedad al usuario o a terceros que pudieran causar la mala instalación o uso indebido del artefacto, incluyendo en este último caso a la falta de mantenimiento.
7. En caso de falla, el usuario deberá requerir la reparación a la empresa a través del Service Oficial y/o Talleres Autorizados más próximos a su domicilio y cuyo listado se acompaña al presente. La empresa a segura al usuario la reparación y/o reposición de piezas para su correcto funcionamiento en un plazo no mayor a 30 días contados a partir de la fecha de solicitud de reparación, salvo caso fortuito o fuerza mayor.

8. Toda intervención del servicio técnico realizada a pedido del usuario dentro del plazo de garantía, que no fuera originada por falla o defecto alguno cubierto por este certificado, deberá ser abonado por el interesado de acuerdo a la tarifa vigente.
9. El presente certificado anula cualquier otra garantía implícita o explícita, por la cual y expresamente no autorizamos a ninguna otra persona, sociedad o asociación a asumir por nuestra cuenta ninguna responsabilidad con respecto a nuestros productos.
10. En caso de que durante el período de vigencia de esta garantía el artefacto deba ser trasladado a las Delegaciones Oficiales y/o Talleres Autorizados de Service para su reparación, el transporte será realizado por la empresa y serán a su cargo los gastos de flete y seguros y cualquier otro que deba realizarse para su ejecución.



**PHILIPS**

## Red de Talleres Autorizados en Argentina

### Atención al Cliente en:

**ARGENTINA**

Tel.: 0800-888-7532  
(Número gratuito)  
011 - 4544-2047

**PARAGUAY**

Tel.: 009-800-54 1 0004  
(Número gratuito)

**URUGUAY**

Tel.: 0004-054 176  
(Número gratuito)

Para más Información visite  
nuestra web  
[www.philips.com.ar](http://www.philips.com.ar)

### Centros de Servicios Autorizados en Argentina

#### ■ CAPITAL FEDERAL

<p><b>ATTENDANCE S.A.</b> Av. Monroe 3351 Tel.: 4545-5574/0704 ó 6775-1300</p>	<p><b>DIG TRONIC</b> Av. San Martín 1762 Tel.: 4545-5574/0704 ó 6775-1300</p>	<p><b>ELECTROTEL</b> <b>Centro:</b> Av. Córdoba 1357 Tel.: 4811-0084 al 9 <b>Caballito:</b> J.M. Moreno 287 Tel.: 4903-6967/6854/8983 <b>Belgrano:</b> Virrey del Pino 2527 Tel.: 4788-2071 <b>Mataderos:</b> Saladillo 2527 Tel.: 5554-9400</p>	<p><b>GMS ELECTRONICA</b> J. B. Alberdi 3425 - Tel.: 4619-1631</p>
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#### ■ GRAN BUENOS AIRES

<b>Avellaneda</b>	Casa Torres S.A.	Av. Mitre 2559	4255-5854
<b>Florencio Varela</b>	Casa Torres S.A.	San Martín 2574	4255-5854
<b>G. Laferrere</b>	ElectroByte Soluciones y Servicio	Olegario Andrade 6018	4626-1322
<b>Lanús</b>	Casa Torres S.A.	Anatole France 2018	4255-5854
<b>L. de Zamora</b>	Attendance S.A. Lomas	Laprida 485 (Av H Irigoyen 9228)	4292-8900 / 4239-2115
<b>L. de Zamora</b>	Electrotel Lomas	Italia 78	4244-0397
<b>Marcos Paz</b>	Tecnicentro	Monteagudo 208	(0220) 4770334
<b>Merlo</b>	Argentronica	Pte. Cámpora 2175	(0220) 483-7177
<b>Moreno</b>	Argentronica	Teniente Camilli 102	(0237) 463-9500
<b>Morón</b>	Servotronic Morón	Ntra. Sra. Buen Viaje 1222	4627-5656
<b>Olivos</b>	Electrotel Olivos	D. F. Sarmiento 3562	4799-1398
<b>Quilmes</b>	Casa Torres S.A.	Pellegrini 140	4255-5854
<b>Quilmes</b>	Electrotel Quilmes	Moreno 538	4254-5291



Ramos Mejía	Electrotel Ramos Mejía	Belgrano 224	4656-0619
Ramos Mejía	Avesa SRL. *	Bolivar 675	4654-6878/8003
San Miguel	Tecno San Miguel	Belgrano 999	4664-4131
Villa Ballester	Servotronic V. Ballester	José Hernández 3064	4767-2515
<b>■ BUENOS AIRES</b>			
Azul	Herlein Raúl Horacio	Av. 25 de Mayo 1227	(02281) 428719
Bahía Blanca	Neutron **	Soler 535	(0291) 4535329
Bahía Blanca	Citta Respuestos *	H. Yrigoyen 176	(0291) 4520881
Baradero	Juan F. Mazzarella	Araoz 847	(03329) 484321
Berisso	Electrónica Bander	Calle 158 107	(0221) 4614984
Bolivar	Total Audio	Av General Paz 125	(02314) 425649
Campana	Electricidad Krautor *	Lavalle 415	(03489) 432919
Coronel Suarez	Refrigeración Polar *	Lamadrid 1946	(02926) 424030
Dolores	Tauro Electrónica S.H.	Cramer 199	(02245) 444300
Junín	Junín Service **	Alsina 537	(02362) 442754
Junín	José Capurzio	Primera Junta 436	(02362) 424235
Junín	Morganti Walter *	Gral. Paz 433	(02362) 430670
La Plata	Highbision	Calle 60 1033	(0221) 4520180
Luján	Electro Hogar	25 de Mayo 280	(02323) 438931
Mar de Ajó	Tauro Electrónica	Jorge Newbery 1434	(02257) 421750
Mar del Plata	Service Integral	Diag. Pueyrredón 3229	(0223) 4945633
Mar del Plata	Central Service	Olazábal 2249	(0223) 4721639 ó 4729367
Necochea	Electrónica Camejo	Calle 63 N° 1745	(02262) 426134
Olavarría	Casa Buschini *	Vte. López 3271	(2284) 420632/484040
Pehuajó	Calcagni Carlos Alberto	Zuviría 794	(02396) 472665
Pergamino	ACV Sistemas **	Dr. Alem 758	(02477) 421177
Pergamino	El Service *	Italia 70	(02477) 418000
San Nicolás	Servitec **	Bv. Alvarez 148	(03461) 454729 ó 429578
San Nicolás	Sodo SRL *	Luis Viale 362	(03461) 428955
San Pedro	Electrónica Menisale	Mitre 1695	(03329) 425523
Tandil	Lazzarini Oscar Rafael	Pellegrini 524	(02293) 442167
T. Lauquen	Labrone Electrónica **	Av. Oro 279	(02392) 423248
Tres Arroyos	Saini Fabián y Sergio	Av. Belgrano 562	(02983) 427369
Zárate	Electrónica Spinozzi	Ituzaingo 1030	(03487) 427353
<b>■ CATAMARCA</b>			
Catamarca	Omicon Centro de Serv.	San Martín 225	(03833) 451498
<b>■ CHACO</b>			
Resistencia	Freschi Jorge Oscar	Av. Hernandarias 431	(03722) 426030
<b>■ CHUBUT</b>			
Trelew	Fagtron Electrónica	Brasil 253	(02965) 427073
C. Rivadavia	C.A.S. SRL (Televic)	Alem 145	(0297) 4442629
Pto. Madryn	Center Electrónica	Sarmiento 588	(02965) 5458439
Esquel	Laboratorio Electrónico	Mitre 738	(02945) 451457
<b>■ CORDOBA</b>			
Alta Gracia	Servicio Técnico Especializado	Velez Sarsfield 19	(03547) 430848/15459936
Río Cuarto	Capaldi Abel	Paunero 832	(0358) 4623003
Córdoba Cap.	Electrotel Suc. Cba.	Avenida Colón 544	(0351) 4255999
Villa María	Grasso Electrónica **	Bv. Alvear 541	(0353) 4521366
Río Tercero	Service Omega	Homero Manzi 149	(03571) 423330
Villa María	Vanguard Sist. Elect.	México 421	(0353) 4532951
Córdoba Cap.	Servelco SRL	Pje.E. Marsilla 635	(0351) 4724008

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Corrientes	Los Magos	San Martin 589	(03783) 466791
<b>■ ENTRE RIOS</b>			
Guauguaychú	Ctro. Serv. Electrónicos	Santiago Díaz 22	(03446) 428380
Paraná	Laser Electrónica	Pascual Palma 382	(0343) 4313056
Concordia	El Taller	Alvear 845	(0345) 4217069
Concep. del Uruguay	LTV Service	9 de Julio 1442	(03442) 433026
<b>■ FORMOSA</b>			
Formosa	Vallejos Televisión	Mitre 276	(03717) 435985
<b>■ JUJUY</b>			
Perico	Electrónica PAL-COLOR	Escolastico Zegada 47	(0388) 4911696
S. S. de Jujuy	Totalservicejujuy	Puyrredon 652	(0388) 4310911
<b>■ LA PAMPA</b>			
Santa Rosa	Tecnocyf Centro de Serv.	Av. Roca 179	(02954) 426602 / 426836
Gral. Pico	Electrónica M.D.	Calle 20 N° 370	(02302) 425047
<b>■ LA RIOJA</b>			
La Rioja	Telecolor	España 450 (Barrio. Evita)	(03822) 46-5354
<b>■ MENDOZA</b>			
Mendoza	Video Sistemas	Fray Luis Beltrán 1729 (Godoy Cruz)	(0261) 4241111
San Rafael	Diger Service Técnico	Av. Mitre 277	(02627) 425620 (int. 11)
<b>■ MISIONES</b>			
L. N. Alem	Megatones	C. de Obligado 247	(03754) 421236
Posadas	Electrónica Cejo	Av. López Torres 2623	(03752) 425921
El Dorado	TeleSon	Polonia 24	(03751) 423043 /424014
<b>■ NEUQUEN</b>			
S.M. Andes	Zener Electrónica	Elordi 614	(02972) 425155
Cutral-Có	Servitran	Di Paolo 570	(0299) 4961957
Neuquén	Tevesur	Fotheringham 110	(0299) 4430679
Neuquén	Gatti Electrónica	J.A. Roca 1124	(0299) 4434855/1489
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Río Colorado	A.V.C. Electrónica	Saenz Peña 297	(02931) 432688
Villa Regina	Servicio Técnico Fioretti	Saavedra 125	(02941) 463297
Bariloche	HC Electrónica **	Av. 12 de Octubre 1575	(02944) 430219
<b>■ SALTA</b>			
Salta	Service Salta	Alvarado 1066	(0387) 4317256
<b>■ SAN JUAN</b>			
San Juan	King Electrónica	Mendoza 802 (Sur)	(0264) 4228918
San Juan	Techno Center	Sarmiento Sur 154	(0264) 4276866
<b>■ SAN LUIS</b>			
Villa Mercedes	Electrónica Ciancia	León Guillet 380	(02657) 423990
San Luis	Electrónica Nico S.R.L.	Junin 679	(02652) 428747
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Río Gallegos	Cosmos Video	Mariano Moreno 46	(02966) 420456
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Rosario	Electrotel Rosario	Maipú 828	(0341) 4217700
Santa Fe	Litoral Service SRL	9 de Julio 2785	(0342) 4533563
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Rafaela	Francesconi Rep. Elect.	Bv. Roca 475	(03492) 422292/ 502292

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Reconquista	Sponton Alfredo	Habbergger 1516	(03482) 421523
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Sgo. Del Estero	Barchini Raúl Enrique	Rivadavia 833	(0385) 4213872
<b>■ TIERRA DEL FUEGO</b>			
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Río Grande	Electrónica Sur	Laserre 670	(02964) 422566
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Abkhazian	6566	Inupiaq	7375	Push-to	8083
Afar	6565	Irish	7165	Russian	8285
Afrikaans	6570	Íslenska	7383	Quechua	8185
Amharic	6577	Italiano	7384	Raeto-Romance	8277
Arabic	6582	Ivrit	7269	Romanian	8279
Armenian	6789	Japanese	7465	Rundi	8278
Assamese	6583	Javanese	7486	Samoan	8377
Avestan	6569	Kalaallisut	7576	Sango	8371
Aymara	6589	Kannada	7578	Sanskrit	8365
Azerbaijani	6590	Kashmiri	7583	Sardinian	8367
Bahasa Melayu	7783	Kazakh	7575	Serbian	8382
Bashkir	6665	Kernewek	7587	Shona	8378
Belarusian	6669	Khmer	7577	Shqip	8381
Bengali	6678	Kinyarwanda	8287	Sindhi	8368
Bihari	6672	Kirghiz	7589	Sinhalese	8373
Bislama	6673	Komi	7586	Slovensky	8373
Bokmål, Norwegian	7866	Korean	7579	Slovenian	8376
Bosanski	6683	Kuanyama; Kwanyama	7574	Somali	8379
Brezhoneg	6682	Kurdish	7585	Sotho; Southern	8384
Bulgarian	6671	Lao	7679	South Ndebele	7882
Burmese	7789	Latina	7665	Sundanese	8385
Castellano, Español	6983	Latvian	7686	Suomi	7073
Catalán	6765	Letzeburgesch;	7666	Swahili	8387
Chamorro	6772	Limburgan; Limburger	7673	Swati	8383
Chechen	6769	Lingala	7678	Svenska	8386
Chewa; Chichewa; Nyanja	7889	Lithuanian	7684	Tagalog	8476
中文	9072	Luxembourgish;	7666	Tahitian	8489
Chuang; Zhuang	9065	Macedonian	7775	Tajik	8471
Church Slavic; Slavonic	6785	Malagasy	7771	Tamil	8465
Chuvash	6786	Magyar	7285	Tatar	8484
Corsican	6779	Malayalam	7776	Telugu	8469
Česky	6783	Maltese	7784	Thai	8472
Dansk	6865	Manx	7186	Tibetan	6679
Deutsch	6869	Maori	7773	Tigrinya	8473
Dzongkha	6890	Marathi	7782	Tonga (Tonga Islands)	8479
English	6978	Marshallese	7772	Tsonga	8483
Esperanto	6979	Moldavian	7779	Tswana	8478
Estonian	6984	Mongolian	7778	Türkçe	8482
Euskara	6985	Nauru	7865	Türkmen	8475
Ελληνικά	6976	Navaho; Navajo	7886	Twi	8487
Faroese	7079	Ndebele, North	7868	Uighur	8571
Français	7082	Ndebele, South	7882	Ukrainian	8575
Frysk	7089	Ndonga	7871	Urdu	8582
Fijian	7074	Nederlands	7876	Uzbek	8590
Gaelic; Scottish Gaelic	7168	Nepali	7869	Vietnamese	8673
Gallegan	7176	Norsk	7879	Volapuk	8679
Georgian	7565	Northern Sami	8369	Walloon	8765
Gikuyu; Kikuyu	7573	North Ndebele	7868	Welsh	6789
Guarani	7178	Norwegian Nynorsk;	7878	Wolof	8779
Gujarati	7185	Occitan; Provençal	7967	Xhosa	8872
Hausa	7265	Old Bulgarian; Old Slavonic	6785	Yiddish	8973
Herero	7290	Oriya	7982	Yoruba	8979
Hindi	7273	Oromo	7977	Zulu	9085
Hiri Motu	7279	Ossetian; Ossetic	7983		
Hrvatski	6779	Pali	8073		
Ido	7379	Panjabi	8065		
Interlingua (International)	7365	Persian	7065		
Interlingue	7365	Polски	8076		
Inuktitut	7385	Português	8084		

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```
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```
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```

```
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```

```
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```

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```
<signature of Ty Coon>, 1 April 1989
```

```
Ty Coon, President of Vice
```

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```

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```

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