

DENON[®]

DENON HOME 150

ALTAVOCES INALÁMBRICOS

Manual del usuario



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Le damos las gracias por la adquisición de este producto Denon. Para asegurar un funcionamiento correcto de la unidad, lea atentamente este manual del usuario antes de usarla.

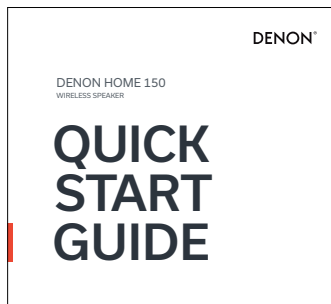
NOTA

- Este documento contiene información sujeta a cambios sin previo aviso.

Introducción

El altavoz forma parte del sistema HEOS que le permite disfrutar de su música favorita en cualquier parte de la casa. Al utilizar su red doméstica existente y la aplicación HEOS en su dispositivo iOS o Android™, puede explorar, navegar y reproducir música de su propia biblioteca de música o de muchos servicios en línea de transmisión de música.

- Verdadero audio en varias habitaciones: reproduzca canciones diferentes en distintas habitaciones o la misma canción en todas las habitaciones
- Se emplea su red doméstica inalámbrica existente para gozar de una configuración rápida y sencilla
- Sincronización de audio en microsegundos entre altavoces líder en el sector
- La legendaria calidad de audio de Denon
- Si tiene prisa, puede disfrutar de su música con gran sonido en apenas tiempo si sigue los pasos que se indican en la guía de inicio rápido (incluida con su altavoz).



Siga leyendo este manual del usuario para obtener más información acerca de las funciones y ventajas de su altavoz.



Antes de comenzar

NOTA

- Si ya ha instalado al menos un altavoz, vaya directamente a la sección “Añadir más altavoces” (🔍 p. 15).

Requisitos del sistema

Antes de comenzar la instalación de su primer altavoz, asegúrese de conocer y satisfacer varios requisitos básicos.

■ Requisitos de red

Enrutador inalámbrico - Para poder utilizar su sistema HEOS, debe disponer de una red inalámbrica (Wi-Fi) o Ethernet en funcionamiento en su casa. Incluso cuando está conectado a una red Ethernet, para controlar el sistema utilizando la aplicación de HEOS es necesaria una conexión Wi-Fi al enrutador. Si no posee una red inalámbrica, póngase en contacto con un distribuidor de Denon local o con un distribuidor de productos electrónicos para que le ayude con la compra e instalación de una red inalámbrica doméstica.

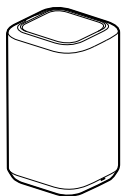
Conexión a Internet de alta velocidad: el sistema HEOS accede a Internet para transmitir música en la casa desde distintos servicios populares de música en línea. El sistema HEOS también se ha diseñado para proporcionarle actualizaciones de software, que se envían a través de su conexión a Internet doméstica. Los servicios DSL, por cable y de fibra proporcionan la mejor experiencia y fiabilidad. Puede sufrir problemas de rendimiento con conexiones a Internet más lentas, como la de los servicios por satélite.



Presentación de su altavoz

Desempaque el altavoz de la caja y constate que se incluyen los elementos siguientes:

① Altavoz



② Guía de inicio rápido



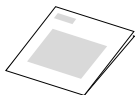
③ Instrucciones de seguridad



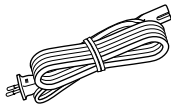
④ Nota sobre la radio



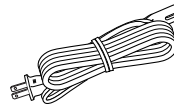
⑤ Garantía
(modelo norteamericano únicamente)



⑥ Cable de alimentación
(para modelos de Europa)



⑦ Cable de alimentación
(para modelos de Norteamérica)

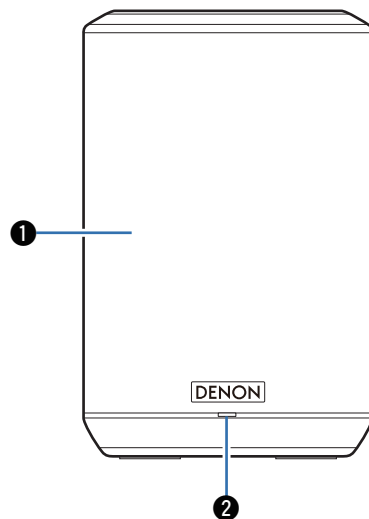


NOTA

- Por favor, use el cable de alimentación incluido en la caja de su dispositivo.



■ Panel delantero



1 Altavoces

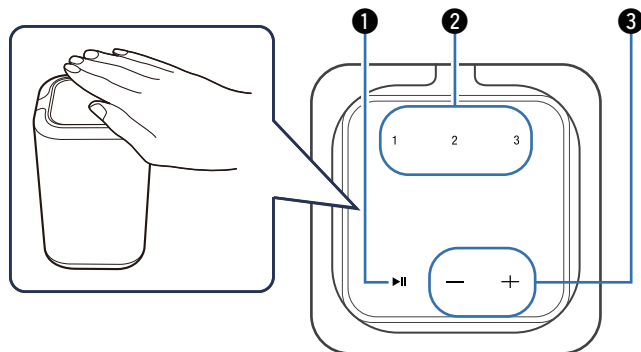
2 LED de estado

Consulte “Cuadro de LED de estado” para conocer el significado del estado y del color de LED. (📖 p. 55)



■ Panel superior

Mantenga la mano sobre la parte superior del altavoz para mostrar los botones del panel de operaciones. Toque estos botones para realizar operaciones. Alejar la mano del área ocultará los botones.



1 Botón de reproducción/pausa (▶||)

- Presione este botón para pausar la reproducción. Si lo presiona mientras está en pausa o detenida, reanudará la reproducción desde la última pista reproducida.
- Mantenga presionado el botón durante 5 segundos para entrar en modo de espera completo. (👉 p. 49)

2 Botones de selección rápida (1 - 3)

Registre los ajustes de la fuente de entrada en estos botones o recupere esos ajustes. (👉 p. 17)

3 Botones de volumen (+, -)

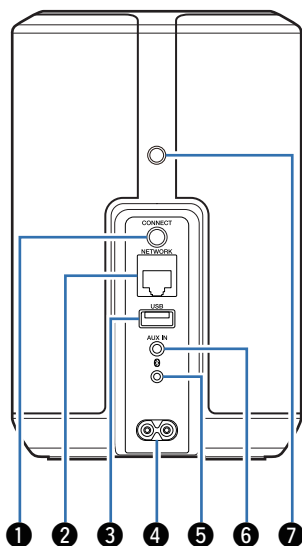
Ajustan el nivel de volumen.

NOTA

- No coloque ningún objeto sobre el producto. Hacerlo puede provocar operaciones accidentales.



■ Panel trasero



1 Botón CONNECT

Sirve para configurar la conexión Wi-Fi. (👉 p. 53)

2 Conector NETWORK

Sirve para conectar esta unidad a una red Ethernet con cable. (👉 p. 15)

3 Entrada USB

Sirve para conectar dispositivos de memoria USB. (👉 p. 21)

4 Entrada de CA

Se utiliza para conectar el cable de alimentación. (👉 p. 12)

5 Botón Bluetooth (📶)

Utilizado en la configuración del emparejamiento de Bluetooth. (👉 p. 22)

6 Conector de entrada AUX (AUX IN)

Sirve para conectar dispositivos de audio. (👉 p. 20)

7 Orificio del tornillo de montaje

Se utiliza al montar esta unidad en la pared o el techo. (👉 p. 11)



Colocación del altavoz

Puede colocar el altavoz donde le plazca para disfrutar de música de gran calidad. Siga estas sencillas instrucciones al decidir el lugar donde desee colocar el altavoz:

- El altavoz debe estar dentro del perímetro de alcance de la red inalámbrica.
- El altavoz se ha diseñado para proporcionar un sonido mejor cuando se coloca a una distancia de 3 a 12 pulgadas (8 a 30 cm) de una pared.
- Coloque el altavoz al menos a una distancia de 12 pulgadas (30 cm) de un televisor, ordenador u otro dispositivo con pantalla para evitar la posibilidad de que se produzcan interferencias.
- Coloque el altavoz en la habitación en la que lo escuchará, en la medida de lo posible a una altura similar a la del oído.
- El altavoz no es impermeable. No lo coloque cerca de una fuente de agua ni lo deje en el exterior si llueve o nieva.

■ Montaje en pared o en el techo

Este altavoz puede montarse en una pared o techo utilizando un montaje/accesorio de altavoz estándar o de cámara (diámetro de 1/4 pulgadas / 6,35 mm) que soporte al menos 14 libras, 16 onzas / 6,8 kg. Para obtener más información, contacte con el establecimiento donde adquirió el altavoz. Para obtener más información, contacte con el establecimiento donde adquirió el altavoz.

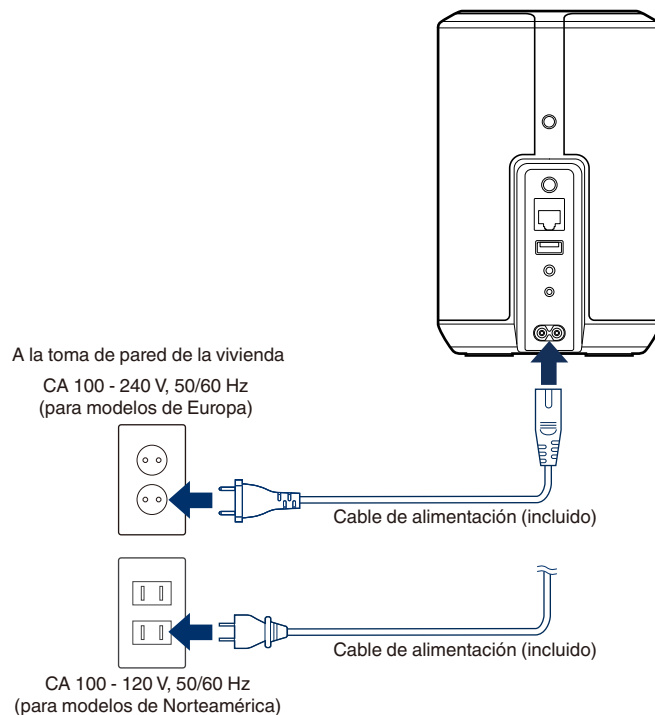
Precaución

- Utilice un soporte comercial (a la venta por separado) para fijar esta unidad a la pared o al techo. No la conecte directamente a la pared o al techo.
- Si conecta esta unidad a la pared o al techo, verifique que esté instalada de forma segura. Tenga en cuenta que Denon no asume responsabilidad alguna por ningún daño si la unidad sufriera alguna caída.



Alimentación de su altavoz

Conecte el cable de alimentación incluido en la caja en el panel posterior del altavoz y el enchufe a la toma de corriente de la pared. El altavoz es capaz de cambiar automáticamente entre 100 y 240 V.



Obtención de la aplicación HEOS

La aplicación HEOS es el corazón de la experiencia del sistema HEOS. Mediante su dispositivo móvil y la aplicación HEOS, puede configurar, navegar, explorar y controlar su sistema HEOS desde la palma de su mano, desde cualquier lugar de su casa.

Busque “HEOS” en la App Store® o en Google Play™ o Amazon y descargue la aplicación HEOS para iOS o Android.



Con el propósito de introducir mejoras, las especificaciones y el diseño del equipo están sujetos a cambios sin previo aviso.



Configuración de su primer altavoz

Una vez haya colocado el altavoz en la habitación donde desee escuchar música y haya descargado la aplicación HEOS, podrá configurar el altavoz para la reproducción de música. Para conectar el altavoz a la red doméstica existente, ha de seguir varios pasos sencillos:

Precaución

- No conecte el cable Ethernet si va a conectar el altavoz a una red inalámbrica. Si va a conectar el altavoz a una red con cable, utilice un cable Ethernet (a la venta por separado) para conectar el altavoz a la red o al enrutador.

1 Asegúrese de que su dispositivo móvil esté conectado a su red inalámbrica (la misma red a la que desea conectar sus altavoces).

Puede comprobar esto en el menú “Ajustes” - “Wi-Fi” de su dispositivo con iOS o Android.

NOTA

- Active el ajuste de Bluetooth en su dispositivo móvil.
- Si la red inalámbrica está protegida, debe introducir la contraseña para conectarse a la red.

2 Inicie la aplicación HEOS en su dispositivo móvil.



3 Toque el botón “Configurar ahora” en la parte superior de la pantalla.

4 Siga las instrucciones para agregar el altavoz a la red inalámbrica.

NOTA

- Si tiene algún problema para conectar el altavoz, vaya a la sección Resolución de problemas (ícono p. 50).



Añadir más altavoces

El sistema HEOS es un verdadero sistema de audio para varias habitaciones que sincroniza automáticamente la reproducción de audio entre varios altavoces, de modo que el audio procedente de diferentes habitaciones está perfectamente sincronizado ¡y siempre tiene un sonido espectacular! Puede añadir fácilmente hasta 32 altavoces al sistema HEOS.

Cómo agregar altavoces con cable

Simplemente conecte el altavoz a su red doméstica mediante un cable Ethernet, y el altavoz aparecerá en su aplicación HEOS como una nueva habitación en la pantalla “Habitaciones”.

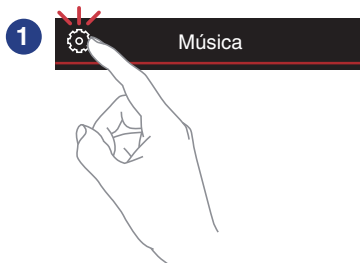
Puede asignar un nombre al altavoz en el momento que le convenga para señalar la habitación donde lo ha colocado.



- Utilice únicamente un cable LAN STP o ScTP blindado, el cual se puede adquirir fácilmente en cualquier tienda de productos electrónicos (se recomienda el tipo CAT-5 o superior).
- No enchufe un conector de RED directamente al puerto LAN/conector Ethernet del ordenador.

Añadir altavoces inalámbricos

Puede añadir altavoces adicionales a su sistema HEOS seleccionando “Agregar dispositivo” desde el menú de ajustes de la aplicación HEOS y siguiendo las instrucciones:



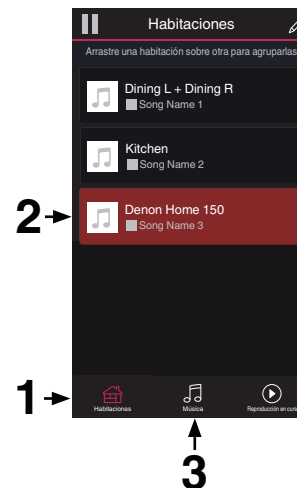
Instrucciones de uso del altavoz

Una vez conectado su altavoz a la red, y tras instalar la aplicación HEOS en el dispositivo móvil, empezar a disfrutar de su música favorita es muy fácil. Puede escuchar algo diferente en cada altavoz o la misma música perfectamente sincronizada en todos los altavoces. ¡Usted decide!

Selección de una habitación o un altavoz

Si tiene más de un altavoz, debe indicar al sistema HEOS qué altavoz quiere controlar:

- 1** Toque la pestaña “Habitaciones”.
- 2** Seleccione la habitación o el altavoz que desee controlar.
- 3** Seleccione la pestaña “Música” para seleccionar una fuente de música o la pestaña “Reproducción en curso” para controlar aquello que se esté reproduciendo actualmente en la habitación seleccionada.



Función de selección rápida

Los ajustes de la fuente de entrada se pueden registrar en los botones de selección rápida (1 - 3).

- 1 Para registrar la configuración actual, mantenga presionado uno de los botones de selección rápida (1 - 3) en el panel superior durante 3 segundos.**



- El LED de estado parpadea una vez al completar el registro.
- Para recuperar la configuración registrada, presione el botón de selección rápida en el panel superior.

[Configuración predeterminada]

Botón	Fuente de entrada
Quick Select 1	Entrada AUX
Quick Select 2	-
Quick Select 3	-



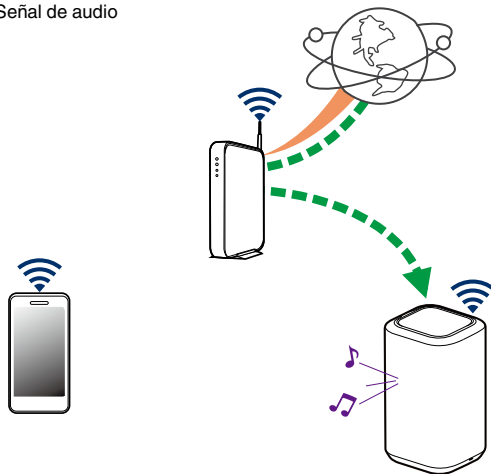
Cómo escuchar la radio

El sistema HEOS incluye el acceso a más de 100.000 emisoras de radio por Internet gratuitas de todos los rincones del mundo a través del servicio de radio TuneIn. Simplemente seleccione el logotipo de TuneIn del menú principal "Música", navegue por las 100.000 emisoras organizadas con esmero por categorías populares y seleccione la emisora que le apetezca escuchar.

NOTA

- Si tiene una cuenta de TuneIn, puede iniciar sesión en el servicio TuneIn en "Ajustes" - "Fuentes de música" - "TuneIn" y acceder a todas sus emisoras de TuneIn guardadas en "Mis Favoritos".

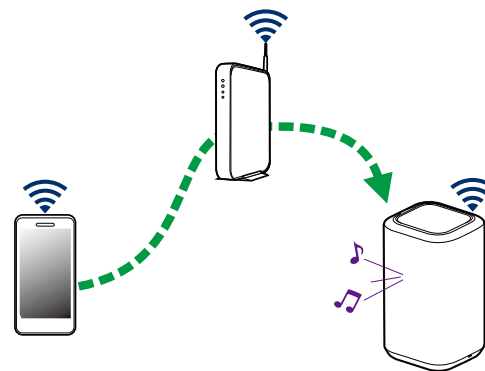
■ ■ ■ Señal de audio



Reproducción de música almacenada en un dispositivo móvil

- 1 Toque la pestaña "Música".
- 2 Seleccione "Este teléfono/iPhone/iPod/iPad".
- 3 Navegue por la música local del teléfono y seleccione algo que quiera reproducir.

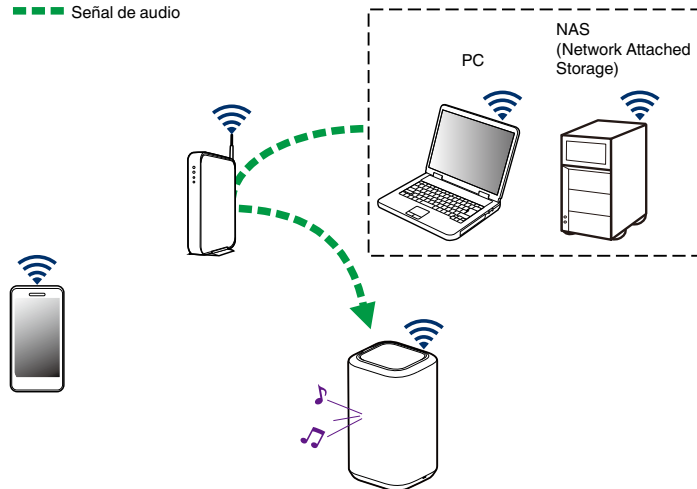
■ ■ ■ Señal de audio



Reproducción de música del PC o un dispositivo de almacenamiento conectado a la red

- 1 Seleccione “Servidores Musicales” en la pestaña “Música”.
- 2 Seleccione el nombre del PC o del servidor NAS (Network Attached Storage) que esté conectado a la red.
- 3 Navegue por la música local del PC o NAS y seleccione algo que quiera reproducir.

--- Señal de audio



Reproducción de música de la entrada AUX

1 Conecte un dispositivo de audio con una salida de audio estéreo con conector de 3,5 mm a la entrada AUX del altavoz por medio de un cable de audio estéreo de 3,5 mm a la venta por separado.

Cuando se conecta un cable de audio estéreo de 3,5 mm a "AUX IN", la fuente cambia automáticamente a Entradas.

NOTA

- Cuando haya un cable conectado a AUX IN, seleccione "Entradas" en la pestaña "Música".

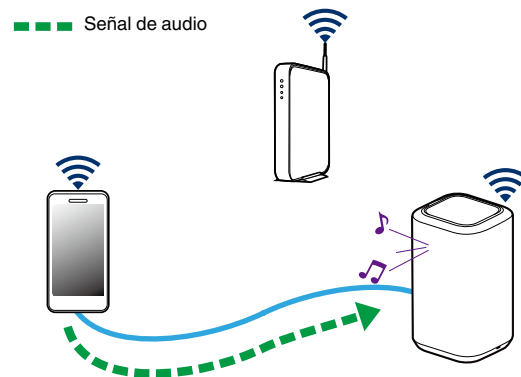
2 Inicie la reproducción en el dispositivo de audio.



- El sonido del dispositivo de audio puede reproducirse directamente a través del altavoz seleccionado, o puede digitalizarse y enviarse a través de la red a otros altavoces.

NOTA

- Las señales de salida analógica procedentes de algunas fuentes pueden ser bastante fuertes. Si aumenta el nivel de entrada del dispositivo fuente, podría sobrecargar las entradas del altavoz. No es probable que esto cause daños, pero puede provocar un sonido distorsionado. Al principio, establezca el volumen de la fuente en un nivel medio-bajo para posteriormente subirlo según sea necesario. Si el sonido se escucha distorsionado, baje el control de volumen del dispositivo.

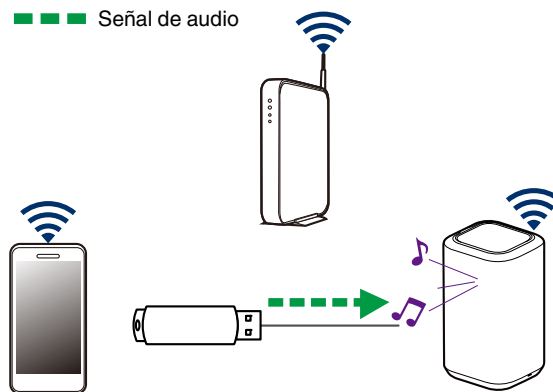


Reproducción de música de un dispositivo de memoria USB

- 1** Inserte un dispositivo de memoria USB con formato FAT32 o NTFS en el puerto USB del panel trasero del altavoz.
- 2** Seleccione “Música USB” en la pestaña “Música”.
- 3** Seleccione el nombre de su altavoz.
- 4** Navegue por la música local del dispositivo de memoria USB y seleccione algo que desee reproducir.

NOTA

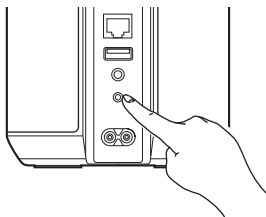
- Puede que el nombre de su altavoz tarde varios minutos en aparecer en la lista de “Música USB” si tiene almacenados un gran número de archivos en el dispositivo de memoria USB.
- No es posible conectar y utilizar un ordenador mediante el puerto USB de esta unidad usando un cable USB.



Reproducción de música de un dispositivo Bluetooth

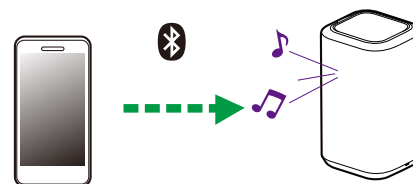
■ Emparejamiento del altavoz con sus dispositivos Bluetooth

- 1 Active el ajuste de Bluetooth en su dispositivo móvil.
- 2 Mantenga pulsado el botón Bluetooth (📶) situado en el panel trasero del altavoz durante 3 segundos y suéltelo cuando observe un patrón de dos parpadeos verdes en el LED de estado.



- 3 Selecteer “Denon Home 150” in de lijst van beschikbare Bluetooth-apparaten.
En unos segundos su móvil le indicará que se ha conectado al altavoz.
- 4 Reproduzca música utilizando cualquier aplicación de su dispositivo.
El sonido se reproducirá ahora a través del altavoz.

■ ■ ■ Señal de audio



NOTA

- Desconecte y vuelva a conectar las conexiones Bluetooth de su dispositivo Bluetooth.



Cuenta HEOS

■ ¿En qué consiste una cuenta de HEOS?

Una cuenta de HEOS es una cuenta maestra o “cadena clave” para administrar todos sus servicios de música con un solo nombre de usuario y contraseña.

■ ¿Por qué necesito una cuenta de HEOS?

Con la cuenta de HEOS solo tiene que introducir una sola vez el nombre de usuario y la contraseña para iniciar sesión en los servicios de música. Esto le permite utilizar de forma rápida y sencilla varias aplicaciones de controlador en diferentes dispositivos. Simplemente inicie sesión en su cuenta de HEOS en cualquier dispositivo y dispondrá de acceso a todos sus servicios de música asociados, al historial de reproducción y a las listas de reproducción personalizadas, aunque esté en casa de un amigo escuchando música en su sistema HEOS.

■ Registro en una cuenta de HEOS

Se le facilitarán las instrucciones de registro en una cuenta HEOS la primera vez que intente acceder a cualquier servicio de música a través del menú principal “Música” de la aplicación HEOS.

■ Cambiar su cuenta HEOS

- 1 Toque la pestaña “Música”.
- 2 Seleccione el icono de ajustes  situado en la esquina superior izquierda de la pantalla.
- 3 Seleccione “Cuenta HEOS”.
- 4 Cambie su ubicación, cambie su contraseña, elimine su cuenta o cierre la sesión de su cuenta.



Reproducción de servicios de transmisión de música

Un servicio de música es una empresa de música en línea que brinda acceso a enormes colecciones de música a través de suscripciones gratuitas o de pago. En función de la ubicación geográfica donde se encuentre, puede elegir varias opciones.

NOTA

- La app y la marca HEOS no están afiliadas con ningún fabricante de dispositivos móviles. La disponibilidad de servicios de música puede variar según la región. En el momento de la compra es posible que no estén disponibles todos los servicios. Algunos servicios pueden añadirse o suspenderse periódicamente según las decisiones de los proveedores de servicios de música u otros.

■ Cómo agregar un servicio de música

Una vez haya configurado su cuenta de HEOS, puede agregar servicios de música admitidos a su sistema HEOS con solo tocar el logotipo del servicio de música en la pestaña “Música”.

Siga las instrucciones que aparecen en la pantalla para agregar el nombre de usuario y la contraseña del servicio de música seleccionado. Solamente ha de introducir la información de su cuenta una vez, puesto que el servicio de cuenta de HEOS almacena de forma segura la información de inicio de sesión para que no tenga que introducirla cada vez que desee reproducir música del servicio de música.

Puede que haya servicios de música adicionales en Ajustes – Fuentes de música - Música online.

■ Cambio de los ajustes del servicio de música

- 1 Toque la pestaña “Música”.
- 2 Seleccione el icono de ajustes  situado en la esquina superior izquierda de la pantalla.
- 3 Seleccione “Fuentes de música”.
- 4 Seleccione “Música online”.
- 5 Seleccione el nombre del servicio de música en línea que desee editar.
- 6 Cierre sesión y, a continuación, inicie sesión de nuevo para asociar su nombre de usuario y contraseña con su cuenta de HEOS.
- 7 Seleccione “Ocultar por ahora” para evitar que el logotipo del servicio aparezca en el menú principal “Música”.



Administración de entradas

Si conectó componentes de fuente de audio externos a cualquiera de las entradas de los altavoces, puede cambiar los nombres de entrada predeterminados para describir la fuente actual u ocultar las entradas que no se están utilizando.

- 1** Seleccione el icono de ajustes  situado en la esquina superior izquierda del menú principal “Música” para ver el menú Settings.
- 2** Seleccione “Fuentes de música”.
- 3** Seleccione “Entradas”.
- 4** Seleccione el altavoz al que vaya a conectar el dispositivo externo de fuente de audio.

■ Cambio del nombre de las entradas

- 1** Seleccione el nombre de la entrada que desee editar.
- 2** Seleccione “Nombre”.
- 3** Seleccione o introduzca un nuevo nombre que describa la fuente que ha conectado.
- 4** Seleccione el botón de guardar para guardar los cambios.

■ Ocultar una entrada

- 1** Seleccione el nombre de la entrada que desee editar.
- 2** Cambie la opción “Ocultar Entrada” a ON para evitar que esta entrada aparezca bajo el título Entradas del menú principal “Música”.



Administración de su teléfono

Puede ocultar su smartphone o tablet si no es preciso que aparezca en el menú “Fuentes de música”.

- 1** Seleccione el icono de ajustes  situado en la esquina superior izquierda del menú principal “Música” para ver el menú Settings.
- 2** Seleccione “Fuentes de música”.
- 3** Seleccione “Este teléfono/iPhone/iPod/iPad”.
- 4** Cambie “Este teléfono/iPhone/iPod/iPad” a OFF para evitar que el logotipo del servicio aparezca en el menú principal “Música”.



Cómo escuchar la misma música en varias habitaciones

El sistema HEOS es un verdadero sistema de audio de varias habitaciones que sincroniza automáticamente la reproducción de audio entre varios altavoces, de modo que el audio que procede de diferentes habitaciones está perfectamente sincronizado ¡y siempre tiene un sonido espectacular!

Puede añadir fácilmente hasta 32 altavoces a su sistema HEOS.

Puede reunir o agrupar hasta 16 altavoces individuales en un grupo de altavoces que funcionan como si fueran un solo altavoz.

■ Agrupación de habitaciones

- 1 Mantenga el dedo sobre la habitación en la que no se esté reproduciendo música.**
- 2 Arrástrelo hasta la habitación en la que se esté reproduciendo música (indicado por el contorno rojo) y levante el dedo.**

Las dos habitaciones se agrupan en un solo grupo de dispositivos, y en ambas habitaciones se reproduce la misma música con una sincronización perfecta.



■ Eliminación de una agrupación de habitaciones

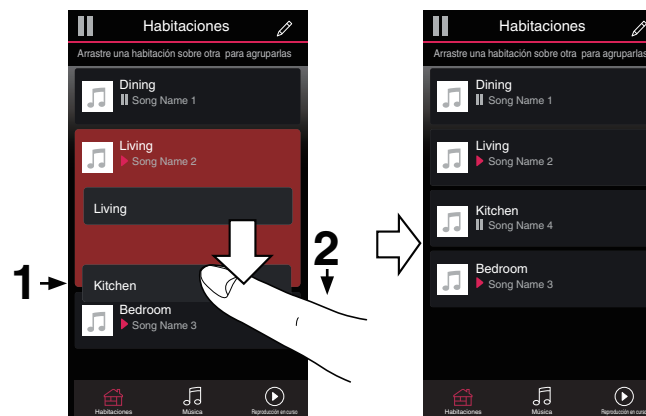
1 Mantenga el dedo sobre la habitación que desee eliminar del grupo.

NOTA

- No puede eliminar la primera habitación en la que comenzó la reproducción de música antes de realizarse la agrupación.

2 Arrástrelo hasta fuera del grupo y levante el dedo.

La música deja de reproducirse en la habitación que ha arrastrado fuera del grupo, pero sigue reproduciéndose en el resto de habitaciones.



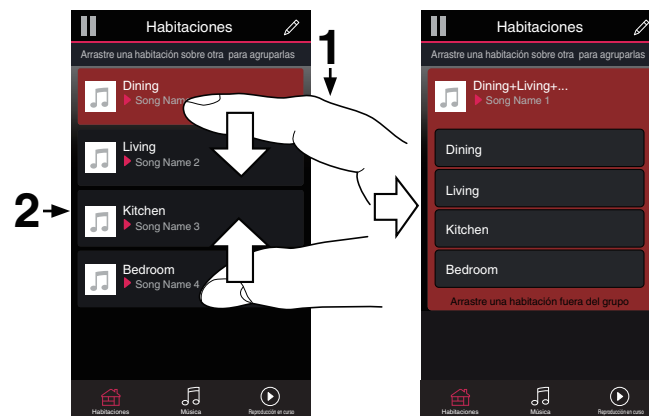
■ Agrupación de todas las habitaciones (modo de fiesta)

Puede agrupar fácilmente 16 habitaciones en modo fiesta utilizando un gesto de “pellizcar” la pantalla.

1 Coloque los dos dedos en la pantalla sobre la lista de habitaciones.

2 Acerque rápidamente los dos dedos hasta que estén juntos y levántelos.

Todas las habitaciones se agrupan y comienza en todas ellas la reproducción de la misma música en perfecta sincronía.



■ Eliminación de la agrupación de todas las habitaciones

Puede eliminar fácilmente la agrupación de todas las habitaciones y salir del modo de fiesta mediante un gesto de “alejar” los dedos.

- 1 Coloque los dos dedos juntos en la pantalla sobre la lista de habitaciones.**
- 2 Aleje rápidamente los dos dedos hasta que se separen entre sí y levántelos.**

La agrupación de todas las habitaciones queda eliminada y la música deja de reproducirse en todas las habitaciones (excepto en la habitación “principal” original en la que se estaba reproduciendo la música antes de agrupar las habitaciones).

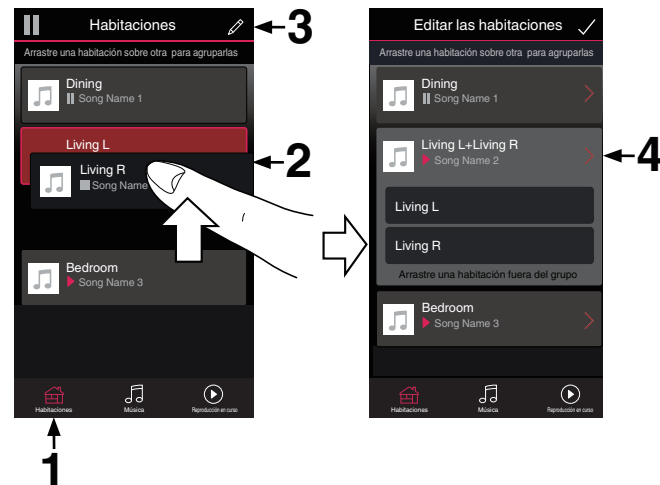


Emparejamiento estéreo

■ Creación de un par estéreo

Un par de altavoces emparejados que se hayan agrupado juntos (véase más arriba) se pueden almacenar como un par estéreo habitual, en el que un altavoz solo emite el canal izquierdo de audio, mientras que el otro altavoz emite solo el canal derecho de audio. Los altavoces emparejados aparecerán entonces como si fueran una única Habitación (con dos altavoces reproduciendo música) en la lista Habitaciones.

- 1 Toque la pestaña “Habitaciones”.
- 2 Cree un grupo que SOLO conste de dos altavoces emparejados (véase “Agrupación de habitaciones” (p. 27)).
- 3 Toque el icono de lápiz para acceder al modo de edición.
- 4 Toque en el grupo de los dos altavoces emparejados para editar el grupo.



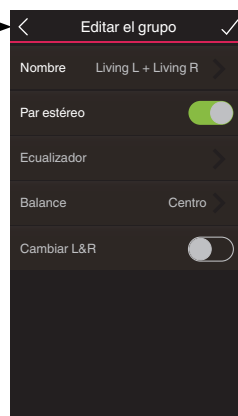
5 Toque el interruptor del par estéreo para emparejar los dos altavoces.

6 Toque la flecha Atrás ◀ para volver a la lista de Habitaciones.

7 Toque el icono de la marca de verificación ✔ para salir del modo de edición.

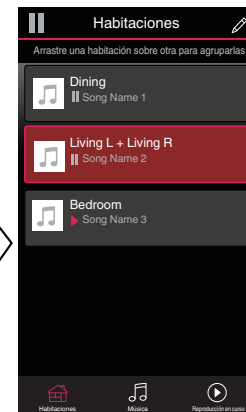
El grupo de los dos altavoces emparejados aparecerá ahora como una única Habitación. Puede cambiar el nombre de la habitación de los altavoces del par estéreo en cualquier momento.

6 →



← **7**

← **5**



■ Cambio del nombre de un par estéreo

- 1** Toque la pestaña “Habitaciones”.
- 2** Toque el icono de lápiz  para acceder al modo de edición.
- 3** Toque un par estéreo (una habitación que conste de dos altavoces emparejados) para editar el grupo.
- 4** Toque “Nombre”.
- 5** Seleccione o introduzca un nombre nuevo para el par de altavoces.
- 6** Toque el botón de guardar  para guardar los cambios.

■ Ajuste del Balance

- 1** Toque la pestaña “Habitaciones”.
- 2** Toque el icono de lápiz  para acceder al modo de edición.
- 3** Toque un par estéreo (una habitación que conste de dos altavoces emparejados) para editar el grupo.
- 4** Seleccione “Balance”.
- 5** Ajuste el balance hacia la izquierda o hacia la derecha.
- 6** Toque el icono de la marca de verificación  para salir del modo de edición.



■ Intercambio de los canales izquierdo y derecho en un par estéreo

- 1 Toque la pestaña “Habitaciones”.
- 2 Toque el icono de lápiz  para acceder al modo de edición.
- 3 Toque un par estéreo (una habitación que conste de dos altavoces emparejados) para editar el grupo.
- 4 Toque el interruptor Swap L&R para intercambiar los canales izquierdo y derecho de los dos altavoces.
- 5 Toque la flecha Atrás  para volver a la lista de Habitaciones.
- 6 Toque el icono de la marca de verificación  para salir del modo de edición.

■ Eliminación de un par estéreo

- 1 Toque la pestaña “Habitaciones”.
- 2 Toque el icono de lápiz  para acceder al modo de edición.
- 3 Toque un par estéreo (una habitación que conste de dos altavoces emparejados) para editar el grupo.
- 4 Toque el interruptor del par estéreo para hacer que los altavoces emparejados vuelvan a su configuración como dos altavoces individuales.
- 5 Toque la flecha Atrás  para volver a la lista de Habitaciones.
- 6 Toque el icono de la marca de verificación  para salir del modo de edición.



Uso de la cola de reproducción

El sistema HEOS utiliza una “Cola” de reproducción en curso para ordenar la música que desee escuchar. Puede seleccionar la música de cualquier fuente de música local o en línea (siempre que no se traten de transmisiones del tipo de “radio” o “emisora” preprogramada). Esta función es similar al funcionamiento de una gramola. Seleccione un contenido para reproducir (una canción, un álbum, una lista de reproducción o, incluso, toda su colección de música) y agréguelo a la “Cola”. Cuando selecciona una pista para reproducir se le preguntará cómo desea que su música sea colocada en la cola.



1 Menú de cola

Cuando selecciona una pista para reproducir se le preguntará cómo desea que su música sea colocada en la cola.

2 Icono de cola

3 Icono de lápiz

4 Icono de eliminación

5 Icono de almacenamiento

6 Cubierta o el icono HEOS

Puede volver a la pantalla “Reproducción en curso” tocando la cubierta o el icono HEOS.

■ Reproducir ahora

El elemento se inserta en la cola después de la pista que se está reproduciendo y el elemento seleccionado se reproduce de inmediato.

■ Reproducir & Reemplazar la cola

Se elimina la cola y el elemento seleccionado se reproduce de inmediato.

■ Reproducir siguiente

El elemento se inserta en la cola después de la canción actual y se reproduce cuando termina la reproducción de la canción actual.

■ Agregar al final de la cola

El elemento se agrega al final de la cola.



Reorganización de la cola de reproducción

Una vez que las canciones se hayan puesto en cola, es posible que quiera reorganizar el orden o eliminar algunas canciones:

- 1** Toque la pestaña “Reproducción en curso”.
- 2** Toque el icono de cola  situado en la esquina superior derecha de la pantalla.
- 3** Toque el icono de lápiz  para acceder al modo de edición.
- 4** Para reorganizar el orden de la cola, arrastre el icono de lista  (situado en el lado derecho de cada fila de pista) hacia arriba o abajo.

Eliminación de canciones de la cola de reproducción

Puede eliminar canciones una a una de la cola de reproducción:

- 1** Toque la pestaña “Reproducción en curso”.
- 2** Toque el icono de cola  situado en la esquina superior derecha de la pantalla.
- 3** Toque el icono de lápiz  para acceder al modo de edición.
- 4** Toque las pistas que desee eliminar.
- 5** Toque el icono de eliminación  para eliminar todas las pistas seleccionadas de la cola de reproducción.



Eliminación de todas las canciones de la cola de reproducción

Puede eliminar todas las canciones de la cola de reproducción:

- 1 Toque la pestaña “Reproducción en curso”.
- 2 Toque el icono de cola  situado en la esquina superior derecha de la pantalla.
- 3 Pulse el icono Borrar  para confirmar que desea eliminar todas las canciones de la cola.

Almacenamiento de listas de reproducción

Puede guardar la cola de reproducción como lista de reproducción de HEOS y recuperarla posteriormente. La nueva lista de reproducción estará disponible a través del botón Playlists en la pestaña “Música” en cada aplicación de controlador que se conecte a su sistema HEOS.

- 1 Toque la pestaña “Reproducción en curso”.
- 2 Toque el icono de cola  situado en la esquina superior derecha de la pantalla.
- 3 Toque el icono de guardar .
- 4 Introduzca un nombre para la lista de reproducción y toque el icono de .

Realización de las funciones de repetición y reproducción de forma aleatoria

Los controles de reproducción pueden verse en la pantalla “Reproducción en curso”.

- 1 Toque la pestaña “Reproducción en curso”.
- 2 Toque la cubierta para mostrar los controles de repetición  y reproducción aleatoria .



Uso de los favoritos

El sistema HEOS utiliza un “Favoritos HEOS” para alinear la emisora que desea que comience a reproducirse rápidamente de las emisoras favoritas.

La emisora puede ser seleccionada desde fuentes de música en línea tales como transmisiones del tipo “Radio” o “Emisora”. “Favoritos HEOS” mostrará una lista de las emisoras de varios servicios.

■ Añadir a los favoritos de HEOS

Seleccione una emisora de una fuente de música en línea. Cuando se muestre la pantalla de menú de acción seleccione “Agregar la emisora a Favoritos HEOS”.

NOTA

- Esto también se puede hacer seleccionando “Agregar la emisora a Favoritos HEOS” desde el menú de emisora de la emisora que se esté reproduciendo.

■ Eliminar una emisora de los favoritos de HEOS

- 1 Toque la pestaña “Música”.
- 2 Seleccione “Favoritos”.
- 3 Toque el icono de lápiz  para acceder al modo de edición.
- 4 Toque el icono “Eliminar” de la emisora que desee eliminar.



Función de AirPlay

Se pueden reproducir en esta unidad los archivos de música almacenados en su iPhone, iPod touch, iPad o iTunes, a través de la red.

■ ■ ■ Señal de audio

NOTA

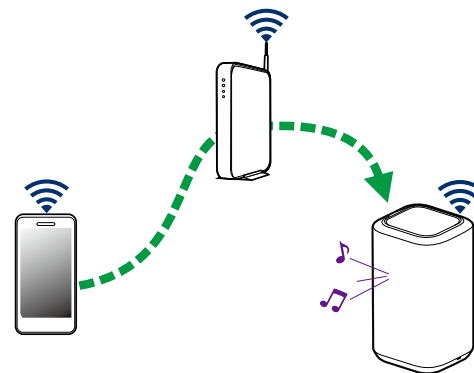
- La pantalla puede variar en función del sistema operativo y las versiones del software.

Este dispositivo es compatible con AirPlay 2®.

Sincronización de varios dispositivos/altavoces compatibles con AirPlay 2 para reproducir de forma simultánea.



- Esta unidad es compatible con AirPlay 2 y requiere iOS 11.4 o posterior.



Reproducción de canciones desde su iPhone, iPod touch o iPad

Si actualiza su “iPhone/iPod touch/iPad” a la versión iOS 4.2.1 o posterior, podrá transmitir la música almacenada en el “iPhone/iPod touch/iPad” directamente a esta unidad.

1 Conecte su iPhone, iPod touch o iPad con Wi-Fi a la misma red que esta unidad.

- Para obtener información, consulte el manual de su dispositivo.

2 Reproduzca la canción en su iPhone, iPod touch o iPad.

El icono AirPlay se muestra en la pantalla del iPhone, iPod touch o iPad.

3 Toque el icono AirPlay y seleccione esta unidad.

[Ejemplo] iOS 12



[Ejemplo] iOS 9



Reproducción de música de iTunes con su altavoz

1 Instale iTunes 10, o posterior, en un Mac o PC con Windows que esté conectado a la misma red que esta unidad.

2 Inicie iTunes y haga clic en el icono AirPlay para seleccionar esta unidad.

[Ejemplo] iTunes



3 Elija una canción y seleccione la opción de reproducir en iTunes.

La música se transmitirá a esta unidad.



Reproduzca una canción desde su iPhone, iPod touch o iPad en múltiples dispositivos sincronizados (AirPlay 2)

Las canciones de un iPhone, iPodtouch o iPad que funcione con iOS 11.4 o posterior, pueden sincronizarse con varios dispositivos compatibles con AirPlay 2 para reproducir de forma simultánea.

1 Reproduzca la canción del iPhone, iPod touch o iPad.

Icono AirPlay se muestra en la pantalla del iPhone, iPod touch o iPad.



2 Puntee el icono AirPlay.

Muestra una lista de dispositivos/altavoces que se pueden reproducir en la misma red.

- Se muestra un círculo a la derecha de los dispositivos compatibles con la tecnología AirPlay 2.



3 Toque los dispositivos/altavoces que desee usar.

- Se pueden seleccionar varios dispositivos compatibles con AirPlay 2.
- El volumen se puede ajustar para cada dispositivo por separado o simultáneamente para todos los dispositivos sincronizados.



Configuración de los ajustes del altavoz

Puede configurar ajustes específicos de cada altavoz del sistema:

- 1** Seleccione el icono de ajustes  situado en la esquina superior izquierda del menú principal “Música” para ver el menú Settings.
- 2** Seleccione “Mis dispositivos” para visualizar una lista de sus altavoces.
- 3** Seleccione el altavoz que desee ajustar.

Cambio del nombre de un altavoz

- 1** Seleccione “Nombre”.
- 2** Seleccione o introduzca un nombre nuevo para el altavoz.
- 3** Toque el icono de  para guardar los cambios.

Cambio de la conexión de red inalámbrica

- 1** Seleccione “Red”.
Se muestra una lista con las redes inalámbricas a las que puede acceder el altavoz.
- 2** Seleccione la red a la que desee conectar el altavoz.
Espere mientras cambia la conexión de red del altavoz.

NOTA

- Cuando el altavoz se conecta a una red Ethernet con cable, se selecciona automáticamente la conexión con cable. Para volver a utilizar una red inalámbrica, debe desconectar el cable Ethernet del panel trasero del altavoz.



Cambio del ecualizador del altavoz

- 1 Seleccione “Ecualizador”.
- 2 Ajuste los “Agudos” o “Graves” hacia arriba o abajo.

NOTA

- Seleccione el botón Reiniciar para restablecer la configuración predeterminada.

Ajuste de la calidad de audio

Selecciona la opción de transcodificación para la retransmisión de audio desde un altavoz a otro altavoz (o grupo de dispositivos) a través de la red.

Cuando se ajusta a alta velocidad de bits, las fuentes de audio procedentes del primer dispositivo (como la entrada analógica, WAV, FLAC y PCM) se transcodificarán para garantizar el nivel más alto de fiabilidad para la transmisión de audio.

- 1 Seleccione “Calidad”.
- 2 Seleccione “Normal” (predeterminado) o “Alto”.



- Si ha seleccionado “Alto” y ocurren cortes de audio durante la transmisión de fuentes de un dispositivo a otros dispositivos, seleccione “Normal” (predeterminado).

Ajuste de la luminosidad de la luz de estado

- 1 Seleccione “Led indicdor estado”.
- 2 Ajuste una mayor o menor luminosidad o coloque el deslizador en la posición Apagado para desactivar completamente la luz de estado.



Configuración avanzada del altavoz

Precaución

- Si cambia estos ajustes, es posible que el altavoz se desconecte de la red y no se pueda utilizar más. No utilice estas funciones a menos que tenga conocimientos sobre cómo realizar ajustes avanzados en el altavoz.

■ Ajustes de red

- 1** Seleccione “Configuración avanzada”.
- 2** Seleccione la pestaña “NETWORK SETTINGS”.
- 3** Desplácese hacia abajo para ver todas las opciones de
 - a. Network Interface (Ethernet or Wireless)
 - b. Wireless Settings
 - c. IP Address Settings (Automatic or Manual)
 - d. Wireless Power Saving
- 4** Seleccione Save Settings para aplicar la nueva configuración, o Cancel Changes para restaurar la configuración anterior.

■ Acerca del ahorro de energía en modo inalámbrico

La función de ahorro de energía en modo inalámbrico ahorra energía desactivando la radio inalámbrica integrada en el altavoz cuando el dispositivo se encuentra conectado a una red Ethernet. Si desconecta el cable Ethernet del altavoz, se desactivará automáticamente el ahorro de energía en modo inalámbrico y se encenderá la radio para que la red inalámbrica pueda detectar el altavoz.

NOTA

- Si la función de ahorro de energía en modo inalámbrico está activada, la alimentación de Wi-Fi se activará temporalmente cuando acceda a la pantalla “Mis dispositivos” - (“Nombre del dispositivo”) - “Red” en la aplicación HEOS o cuando se pulse el botón CONNECT en el dispositivo.



■ Actualización de firmware

- 1 Seleccione “Configuración avanzada”.
- 2 Seleccione la pestaña “FIRMWARE UPDATE”.

☐ Update status

Compruebe manualmente si hay una actualización de firmware.

☐ Allow updates

ON
(predeterminado): Permite actualizaciones

OFF: No permite actualizaciones

- 3 Seleccione **Save Settings** para aplicar la nueva configuración, o **Cancel Changes** para restaurar la configuración anterior.

■ Acerca de

Consulta de los datos técnicos acerca del altavoz.

- 1 Seleccione “Configuración avanzada”.
- 2 Seleccione la pestaña “ABOUT”.
- 3 Desplácese hacia abajo para consultar la información acerca de los siguientes elementos del altavoz
 - a. Hardware
 - b. Software
 - c. Device



Actualización del sistema

El sistema HEOS tiene la capacidad de añadir mejoras y funcionalidad actualizada a través de su conexión a Internet de alta velocidad. Siga las instrucciones de la pantalla para actualizar el altavoz y/o su aplicación de controlador.

- 1** Seleccione el icono de ajustes  situado en la esquina superior izquierda del menú principal “Música” para ver el menú Settings.

- 2** Seleccione “Actualización de software”.

☐ Buscar actualizaciones

Siga las instrucciones que aparecen en pantalla para instalar cualquier actualización que haya disponible para su sistema HEOS.

☐ Actualización automática

ON (predeterminado):	Las actualizaciones válidas se realizan de forma automática.
OFF:	Recibirá una notificación de las actualizaciones válidas en la aplicación HEOS.



Funciones avanzadas

Existen unas cuantas funciones avanzadas del sistema HEOS que tal vez desee explorar una vez que se familiarice con las operaciones básicas. Puede acceder a las funciones avanzadas del sistema HEOS si sigue los pasos siguientes:

- 1 Seleccione el icono de ajustes  situado en la esquina superior izquierda del menú principal “Música” para ver el menú Settings.**
- 2 Seleccione “Configuración avanzada” para ver una lista con las opciones disponibles.**

Intercambio de música de un dispositivo móvil

La aplicación HEOS cuenta con una función denominada “Uso compartido de música” que permite compartir la música local almacenada en su dispositivo móvil con otros usuarios de la aplicación HEOS en su red local. Para activar esta función, seleccione “Uso compartido de música” y ajústela como “EN”.

El nombre del dispositivo del que comparte contenido aparece como un servidor de música, con lo que se permite a otras aplicaciones HEOS navegar por la música del dispositivo y reproducirla.

Rendimiento inalámbrico

Puede comprobar el estado de conexión inalámbrica de su altavoz.

Calidad

Excelente / Buena / Deficiente

NOTA

- Si el nivel de calidad de su altavoz es “Deficiente”, asegúrese de que sus altavoces no estén ubicados cerca de otros dispositivos electrónicos que pudieran interferir con su conectividad inalámbrica (como hornos microondas, teléfonos inalámbricos, TV, etc.)

Señal

Excelente / Buena / Deficiente

NOTA

- Si el nivel de señal de su altavoz es “Deficiente”, asegúrese de que sus altavoces se encuentren dentro del alcance de su red inalámbrica.



Enviar diagnósticos

Si está experimentando problemas con su red o sistema HEOS, puede que el personal de asistencia técnica de Denon le indique que seleccione esta opción. Esta función enviará automáticamente al departamento de asistencia técnica de Denon información de diagnóstico sobre su sistema HEOS.

NOTA

- No se envía ninguna información personal y nunca se compartirá esta información con nadie.

Restablecimiento de la aplicación de controlador

Esta función permite restablecer la aplicación de control a como estaba originalmente cuando se instaló por primera vez en el dispositivo móvil sin que tenga que eliminarla, descargarla de nuevo de la tienda de aplicaciones y volver a instalarla.



Gestión de alimentación

Modos de alimentación

■ Modo de inicio rápido

Este altavoz accede automáticamente al “Modo de inicio rápido” para ahorrar energía en los siguientes casos. Durante el “Modo de inicio rápido”, las operaciones de los altavoces provocan la activación de la fuente de alimentación.

Durante el “Modo de inicio rápido”, el LED de estado se ilumina en azul oscuro.

❑ Ethernet

Tras permanecer inactivo y sin acceso a la red durante un período de unos 20 minutos después de reproducir música a través de Ethernet.

❑ Wi-Fi

Tras permanecer inactivo y sin acceso a la red durante un período de unos 20 minutos después de reproducir música a través de Wi-Fi.

❑ USB

Tras permanecer inactivo y sin acceso a la red durante un período de unos 20 minutos después de reproducir música a través de un dispositivo de memoria USB.

❑ Bluetooth

Después de la desconexión del Bluetooth y tras permanecer inactivo y sin acceso a la red durante un período de unos 20 minutos después de reproducir música a través de Bluetooth.

❑ AUX IN

Después de aproximadamente 20 minutos sin audio.

■ Modo de espera completo

El dispositivo también puede entrar en “Modo de espera completo” automáticamente siempre que se elimina la conexión de red inalámbrica o con cable durante más de 60 minutos en el “modo de inicio rápido”. El LED del panel delantero se apagará durante Modo de espera completo.

Presione cualquier botón para activar la unidad.



- Pulse también el botón ►|| durante 5 segundos y el dispositivo entrará en el modo de espera completo.

■ Apagado

Para apagar completamente el dispositivo, debe quitar la clavija de la fuente de alimentación de la toma de corriente.



Resolución de problemas básicos

No es posible conectar el altavoz a la red

Solución	Consulte la página
• Asegúrese de que su dispositivo móvil está conectado a su red inalámbrica antes de configurar su altavoz.	14
• De forma opcional, puede conectar el altavoz a su enrutador de red mediante un cable Ethernet a la venta por separado. Una vez que se conecta mediante Ethernet, la aplicación HEOS deberá reconocer el altavoz y podrá moverlo manualmente a su red inalámbrica utilizando "Ajustes" - "Mis dispositivos" - ("Nombre del dispositivo") - "Configuración avanzada" - "Ajustes de red".	15

No es posible emparejar un dispositivo móvil Bluetooth con el altavoz

Solución	Consulte la página
• La conexión del dispositivo móvil Bluetooth no funciona correctamente. Encienda y apague el dispositivo móvil, elimine la información de emparejamiento y vuelva a emparejar el altavoz y el dispositivo móvil.	–



No puedo escuchar la música procedente de la conexión Bluetooth

Solución	Consulte la página
El dispositivo móvil Bluetooth no está emparejado con el altavoz. Vuelva a emparejar el altavoz al dispositivo móvil.	-
El altavoz está en modo Wi-Fi o en el modo auxiliar, etc. Empareje el dispositivo Bluetooth con el altavoz y conéctelo.	-
El dispositivo móvil Bluetooth se encuentra conectado a otro dispositivo de audio. Asegúrese de que el dispositivo Bluetooth esté conectado al altavoz.	-
El nivel de volumen del dispositivo móvil Bluetooth es demasiado bajo. Compruebe el nivel de volumen del dispositivo móvil Bluetooth. Compruebe el nivel de volumen del altavoz.	-

A veces la música se corta o se retrasa

Solución	Consulte la página
Asegúrese de que su conexión a Internet funciona correctamente. Si está compartiendo su red con otros usuarios o dispositivos, estos podrían estar usando la mayor parte de su ancho de banda (especialmente si están reproduciendo vídeos en tiempo real).	6
Asegúrese de que sus altavoces están dentro del rango de su red inalámbrica.	47
Asegúrese de que sus altavoces no están situados cerca de otros dispositivos electrónicos que podrían interferir con la conectividad inalámbrica (como, por ejemplo, los hornos de microondas, teléfonos inalámbricos, TV, etc.).	47



Escucho un retardo al utilizar la entrada AUX con mi TV

Solución	Consulte la página
- Si se está conectando la entrada AUX con un decodificador de televisión por cable o satélite para disfrutar del audio de la TV a través de varios altavoces, es posible que escuche un retraso entre la imagen y el audio. Esto se debe a que el sistema HEOS debe almacenar el audio antes de enviarlo a los altavoces para que llegue a todos los altavoces al mismo tiempo. - Podrá evitar este retardo escuchando únicamente el altavoz que está directamente conectado al decodificador.	20 -

Conexión a una red usando un dispositivo iOS

Solución	Consulte la página
Este altavoz es compatible con el modo de configuración “WAC (Configuración de accesorio inalámbrico)” de Apple. El modo de configuración WAC le permite conectar su altavoz a su red sin que tenga que escribir el nombre y la contraseña de la red. - Mantenga presionado - y los botones ► durante 3 segundos. - Vaya al menú Wi-Fi en los ajustes de su dispositivo iOS. - Seleccione “Denon Home 150” en “CONFIGURAR NUEVO ALTAVOZ AIRPLAY...” en la parte inferior de la lista. - Seleccione la red a la que desea conectar el altavoz y seleccione “Siguiente”. - Siga las instrucciones de la pantalla para completar la configuración. El sistema HEOS permanecerá en el modo de configuración WAC durante 15 minutos. Si el dispositivo no se configura en 15 minutos, volverá a su conexión de red anterior. Pulse el botón ► si desea cancelar el modo de configuración WAC. El LED de estado parpadeará rápidamente 5 veces.	-



Escucho distorsión cuando utilizo la entrada AUX

Solución	Consulte la página
Las señales de salida analógica procedentes de algunas fuentes pueden ser bastante fuertes. Si aumenta el nivel de entrada del dispositivo fuente, podría sobrecargar las entradas del altavoz. No es probable que esto cause daños, pero puede provocar un sonido distorsionado. Al principio, establezca el volumen de la fuente en un nivel medio - bajo para posteriormente subirlo según sea necesario. Si el sonido se escucha distorsionado, baje el control de volumen del dispositivo.	-

Conexión a una red WPS

Solución	Consulte la página
Si su enrutador inalámbrico es compatible con WPS (Wi-Fi Protected Setup™), puede conectar su altavoz opcionalmente a su red utilizando el método del “Pulsador” siguiendo estos pasos: Wi-Fi Protected Setup™ es una marca comercial de Wi-Fi Alliance. 1. Pulse el botón WPS en su enrutador. 2. Antes de que transcurran 2 minutos, mantenga presionado el botón CONNECT en el panel trasero del altavoz durante 3 segundos. 3. El LED en la parte delantera del altavoz parpadeará en verde durante varios segundos mientras se conecta al router WPS. 4. Cuando se completa la conexión, el LED en la parte delantera del altavoz cambiará a azul estable.	6



Restaurar su altavoz

Solución	Consulte la página
Si restaura su altavoz se borrará la configuración de red inalámbrica, los ajustes de EQ y el nombre pero se conservará el software actual. Deberá utilizar “Ajustes” - “Agregar dispositivo” para reconectar el altavoz a su red doméstica antes de que pueda usarse. Para restablecer su altavoz, mantenga presionados los botones CONNECT y Bluetooth (📶) situados en el panel trasero del altavoz durante 5 segundos hasta que el LED frontal comience a parpadear en ámbar.	–

Los botones no funcionan correctamente

Solución	Consulte la página
• No coloque ningún objeto sobre el producto. • Los elementos cerca de la parte superior del altavoz (cortinas, percheros de acero, etc.) pueden provocar la activación accidental del botón. • Instale el altavoz en un lugar donde no haya nada cerca. • Desenchufe el cable de alimentación antes de limpiar el panel superior.	- - - -



Cuadro de LED de estado

Los LED del panel frontal cambian para indicar el estado actual del altavoz.

Estado del altavoz	Acción del LED	Descripción
Modo de espera completo	 (apagado)	La alimentación está apagada o el altavoz está en modo de espera completo. (👉 p. 49)
Modo de inicio rápido	 (fijo atenuado)	El altavoz está en modo de inicio rápido. (👉 p. 49)
Encendido	 (parpadeante)	El altavoz se está iniciando o se está conectando a la red.
	 (fijo)	El altavoz está conectado a la red.
	 (fijo)	El altavoz no puede establecer conexión con la red. Intente conectar de nuevo el altavoz.



Estado del altavoz	Acción del LED	Descripción
WPS	 (parpadeo rápido)	El altavoz se está conectando a la red a través de WPS.
	 (fijo durante 3 segundos)	El altavoz se conecta a la red a través de WPS.
	 (fijo durante 3 segundos)	WPS ha excedido el tiempo de espera.



Estado del altavoz	Acción del LED	Descripción
Bluetooth	 (dos parpadeos)	El altavoz se está emparejando a través de Bluetooth.
	 (un parpadeo)	El altavoz está emparejado a través de Bluetooth.
	 (fijo durante 3 segundos)	El altavoz no se pudo emparejar con el dispositivo Bluetooth. Intente volver a emparejarlo. (👉 p. 22)
Ajuste de volumen	 (parpadeo rápido)	Se está ajustando el volumen.
	 (parpadeo lento)	El altavoz está silenciado.



Estado del altavoz	Acción del LED	Descripción
Actualización de firmware	 (parpadeante)	El firmware se está actualizando.
	 (parpadeo lento; SIN atenuación)	Existe un error de firmware. Verifique su entorno de uso, vuelva a ejecutar la aplicación e intente volver a actualizar el firmware. (🔧 p. 45)
Error	 (fijo)	Se ha producido un error de configuración. Verifique su entorno de uso y siga el procedimiento correcto para reintentar la configuración. Si el error se repite, restablezca los valores de fábrica y vuelva a intentar la configuración. (🔧 p. 54)
	 (parpadeo rápido)	Se ha producido un error de hardware. Desenchufe el cable de alimentación, espere unos instantes y vuelva a enchufarlo.
Restablecimiento	 (parpadeante)	Se han restablecido los valores de fábrica.



Codecs y tipos de archivo compatibles

Frecuencia	Velocidad de muestreo	Extensión de archivo	Códec	Velocidad de bits
32/44,1/48 88,2/96/176,4 192 kHz	16/24 bits	wav	PCM	---
32 kHz 44,1 kHz 48 kHz	16 bits	mp3	MPEG-1 Audio Layer 3 CBR/VBR	32 – 320 kbps
32 kHz 44,1 kHz 48 kHz	16 bits	m4a aac	AAC-LC	48 – 320 kbps
32 kHz 44,1 kHz 48 kHz	16 bits	wma	wma9 CBR	CBR: 48 – 192 kbps
44,1/48 88,2/96/176,4 192 kHz	16/24 bits	flac	flac	---
44,1/48 88,2/96/176,4 192 kHz	16/24 bits	m4a	ALAC	---
2,8/5,6 MHz	1 bit	dff dsf	DSDIFF DSF	---

NOTA

- No se admiten archivos protegidos por DRM como Fairplay DRM de Apple.
- Si selecciona una fuente de música con una alta velocidad de bits o una alta resolución, se establece al nivel adecuado por códec antes de emitirse.
- El descodificador ALAC se distribuye con licencia Apache, versión 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>)



Especificaciones

LAN inalámbrica

Tipo de red:

Conforme a IEEE 802.11a/b/g/n/ac

Rango de frecuencias utilizado:

2,4 GHz, 5 GHz

General

Temperatura de funcionamiento:

41 °F – 95 °F (5 °C – 35 °C)

Fuente de alimentación:

CA 100 - 240 V, 50/60 Hz (para modelos de Europa)

CA 100 - 120 V, 50/60 Hz (para modelos de Norteamérica)

Consumo de energía:

20 W

Consumo de energía en el Modo de inicio rápido:

2,2 W (Wi-Fi 2,4 GHz)

2,2 W (Wi-Fi 5 GHz)

1,8 W (Ethernet)

2,2 W (USB con Wi-Fi)

1,6 W (Bluetooth)

Consumo de energía en modo de espera completo:

0,3 W

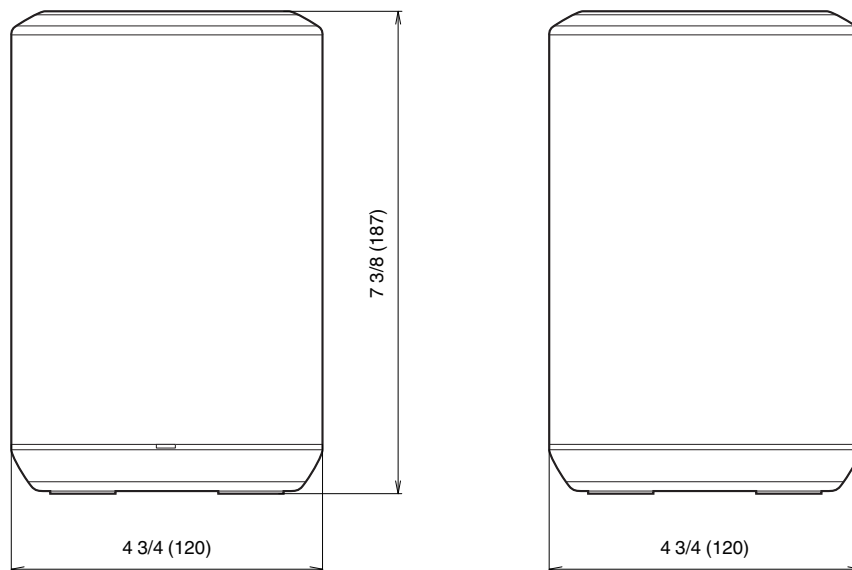
Entrada analógica máxima:

2 Vrms



Dimensiones

Unidad: pulgada (mm)



Peso: 3 libras, 12 onzas (1,7 kg)

Con el propósito de introducir mejoras, las especificaciones y el diseño del equipo están sujetos a cambios sin previo aviso.



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Marcas



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□ GPL

Open Source Used	Version
bridge-utils	1.6
busybox	1.27.2
e2fsprogs	2.0.10-4
Linux kernel	4.4.22
mtd-utils	2.0.2
ntfs-3g_ntfsprogs	2017.3.23
u-boot	2018.07
cifs-utils	6.7
wireless-tools	2.9
ffmpeg	3.4.4

□ LGPL

Open Source Used	Versión
ffmpeg	3.4.4
libmms	0.6.4
taglib	1.11.1
libglib2	2.54.2
libnl	3.4.0
glibc	2.28
glib	2-2.54.2
ntfs-3g_ntfsprogs	2017.3.23



❏ Mbed TLS-2.7.5

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Version 2.0, January 2004

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❑ mDNSResponder-765.50.9

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❑ OpenAvnu-2018-07-30

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❑ hostapd-2.6 wpa_supplicant-2.6

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❑ libcurl-7.61.1

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❑ libunwind-1.2.1

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loginrec.c

loginrec.h

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curve25519-donna: Curve25519 elliptic curve, public key function

<http://code.google.com/p/curve25519-donna/>

Adam Langley <agl@imperialviolet.org>

Derived from public domain C code by Daniel J. Bernstein
<djb@cr.yp.to>

More information about curve25519 can be found here

<http://cr.yp.to/ecdh.html>

djb's sample implementation of curve25519 is written in a special assembly language called qasm and uses the floating point registers.

This is, almost, a clean room reimplementation from the curve25519 paper. It uses many of the tricks described therein. Only the crecip function is taken from the sample implementation.



❏ OpenSSL-1.0.2p

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❑ zlib-1.2.11

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❑ e2fsprogs-libs-1.45.4/lib/uuid

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❑ Expat-2.2.5

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❏ getopt-1.29

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❑ LK embedded kernel

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❑ mongoose-2.5

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❑ portmap-6.0

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❑ strlcpy-1.5

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