

**SONOS**

# Neptune

## Product Guide

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# Getting started

Here's what you'll need:

- **Wi-Fi**—have your network name and password ready. See [Sonos requirements](#).
- **Mobile device**—connected to the same Wi-Fi. You'll use this for setup.
- **The Sonos app**—you'll use it to set up and control your Sonos system (install it on the mobile device you're using for setup).
- **A Sonos account**—If you don't have an account, you'll create one during setup. See [Sonos accounts](#) for more information.

## New to Sonos?

Download the app from the app store on your mobile device. Open the app and we'll guide you through setup.

Once your Sonos system is set up, you can use your computer to control the music too. Get the app at [www.sonos.com/support/downloads](http://www.sonos.com/support/downloads).

For the latest system requirements and compatible audio formats, go to <https://faq.sonos.com/specs>.

## Already have Sonos?

You can easily add new speakers anytime (up to 32). Just plug in the speaker and tap **...** > **Add Speakers**.

If you're adding a Boost, plug it in and tap **...** > **Settings** > **Add Boost or Bridge**.

## Sonos requirements

Your Sonos speakers and the mobile device with the Sonos app need to be on the same Wi-Fi network.

### Wireless setup

Setting up Sonos on your home Wi-Fi is the answer for most homes. You just need:

- High-speed DSL/cable modem (or fiber-to-the-home broadband connection).
- 2.4 GHz 802.11b/g/n wireless home network.

**Note:** Satellite internet access may cause playback issues.

If you ever start to experience temperamental Wi-Fi, you can easily switch to wired setup.

### Wired setup

Connect a Sonos Boost or speaker to your router with an Ethernet cable if:

- Your Wi-Fi is slow, temperamental, or doesn't reach all the rooms where you want to use Sonos.
- Your network is already in high demand with streaming video and internet usage and you want a separate wireless network just for your Sonos system.
- Your network is 5 GHz only (not switchable to 2.4 GHz).

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- Your router supports only 802.11n (you can't change the settings to support 802.11b/g/n).

**Note:** For uninterrupted playback, use an Ethernet cable to connect the computer or NAS drive that has your music library files to your router.

If you want to change to wireless setup later, see [Switch to wireless setup](#) for more information.

## Sonos app

The Sonos app is available for the following devices:

- iOS devices running iOS 10 and later
- Android 5 and higher
- macOS 10.11 and later
- Windows 7 and higher

**Note:** You'll set up Sonos using a mobile device, but then you can use any device to control the music.

## AirPlay 2

To use AirPlay with Sonos, you need a device running iOS 11.4 or later and a Sonos speaker that supports AirPlay 2 (Sonos One, Play:5, Playbase, and Beam). Once you're streaming AirPlay, you can add non-compatible Sonos speakers to the group.

## Supported formats

### Audio formats

Support for compressed MP3, AAC (without DRM), WMA without DRM (including purchased Windows Media downloads), AAC (MPEG4), AAC+, Ogg Vorbis, Apple Lossless, Flac (lossless) music files, as well as uncompressed WAV and AIFF files.

Native support for 44.1 kHz sample rates. Additional support for 48 kHz, 32 kHz, 24 kHz, 22 kHz, 16 kHz, 11 kHz, and 8 kHz sample rates. MP3 supports all rates except 11 kHz and 8 kHz.

**Note:** Apple "FairPlay," WMA DRM and WMA Lossless formats not currently supported. Previously purchased Apple "FairPlay" DRM-protected songs may be upgraded.

### Streaming services

Sonos works seamlessly with most music and content services, as well as downloads from any service offering DRM-free tracks. Service availability varies by region. For a complete list, see <https://www.sonos.com/music>.

### Internet radio

- Streaming MP3
- HLS/AAC
- WMA

## Album art

- JPEG
- PNG
- BMP
- GIF

## Playlists

- Rhapsody
- iTunes
- WinAmp
- Windows Media Player (.m3u, .pls, .wpl)

## Turn off Sonos

To stop the music in a room or group, pause or stop the music in the app or on the speaker.

Sonos uses minimal electricity when it is not playing music.

# Neptune

The instant music streaming upgrade for your existing stereo or receiver —

- Brings music streaming to the audio equipment you already own.
- Flexible. Features analog and coaxial digital audio outputs.
- Line-in. Plug in any device you desire.
- Stream LPs from your amplified turntable to Sonos speakers in any room.
- See [Getting started](#) when you're ready to add a Neptune to your Sonos system.

## Select a location

You can place a Neptune just about anywhere— in an electronics rack, on a shelf, or on a credenza with your TV.

### Rack mounted

Neptune mounts perfectly in any electronics rack using third-party mounting kits. You can fit 3 units across a standard rack and take up only 1 rack unit of vertical space

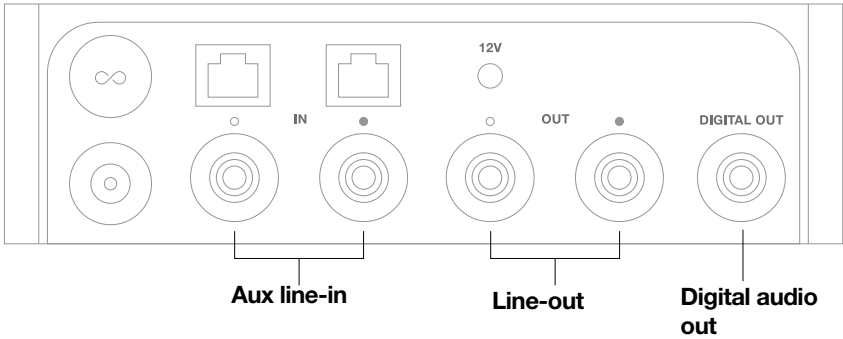
### Placed on a credenza

- Place horizontally on a stable and level surface at least 3" (50mm) from TV.
- Don't block the TV's IR sensor.
- If put on a shelf, place at the front and keep 3" (minimum) clearance on all sides.

Controls and lights

|              |   |
|--------------|---|
| Status light | Indicates the status. For more information, see <a href="https://faq.sonos.com/led">https://faq.sonos.com/led</a> . |
|--------------|---|

Connector panel



|                           |   |
|---------------------------|---|
| Ethernet ports (2)        | You can use an Ethernet cable (supplied) to connect to a router, computer, or additional network device like a network-attached storage (NAS) device.<br>LED indicators: <ul style="list-style-type: none"><li>• Flashing Green (network activity)</li><li>• Yellow (link connection)</li></ul> |
| DC power (mains) input    | Use only the supplied power cord (using a third-party power cord will void your warranty).  |
| Analog audio in           | Use a standard RCA audio cable (supplied) to connect the audio outputs from a separate audio component, like a pre-amplified turntable, to Neptune’s analog audio inputs.   |
| Analog audio out          | Use a standard RCA audio cable (supplied) to connect the Sonos product’s analog audio outputs to the audio inputs on a separate audio component, like an amplifier or your home theater receiver.   |
| Coaxial digital audio out | You can use a digital coaxial cable to connect the Sonos product’s coaxial digital audio output to the audio inputs on a separate audio component, like an amplifier or your home theater receiver.   |

## Connect the cables

### Connect the power cord

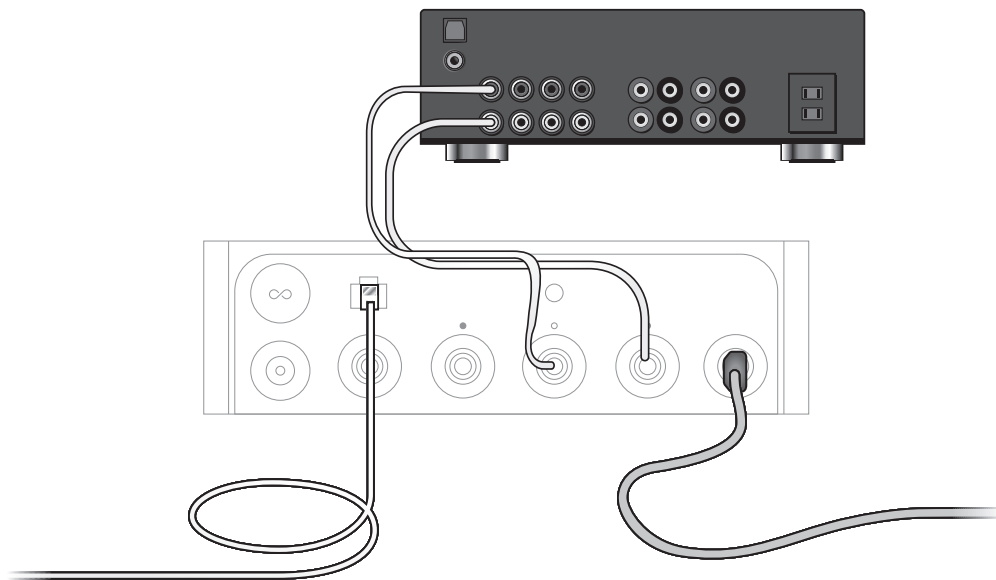
Attach the power cord and plug in the Neptune.

### If connecting to powered speakers

You may need a Y-adaptor audio cable (one 1/8" stereo miniplug to dual RCA male connectors) to connect the computer's speakers to the audio outputs on the Sonos product. If your speakers have a male 1/8" stereo plug, you'll need to attach a female-to-female coupler between the speaker plug and the Y-adaptor audio cable.

If you don't have the app, download it from the app store. You'll use it to set up and control your Sonos system. See [Getting started](#).

### If connecting to a home theater or amplifier



- If you have *digital inputs* on your home theater or amplifier, you can use a digital coaxial cable to connect Neptune's digital output to the digital input on the receiver.
- If you have *analog inputs* on your home theater or amplifier, use a standard RCA audio cable to connect Neptune's analog audio output to the audio inputs on the receiver.
- Select the proper input channel on the receiver. See [Control volume from a home theater or amplifier](#) to adjust volume settings.

If you don't have the app, download it from the app store. You'll use it to set up and control your Sonos system. See [Getting started](#).

### If connecting to a computer

You'll need a stereo mini to RCA Y-adaptor audio cable (one 1/8" stereo miniplug to dual RCA male connectors) to connect the Sonos product's analog audio output to the computer's audio input.

If you don't have the app, download it from the app store. You'll use it to set up and control your Sonos system. See [Getting started](#).



Line-in

See [From other audio devices](#) to learn how to connect an external source like a pre-amplified turntable to any Sonos speaker that has a line-in connection.

Line-out

Control volume from a home theater or amplifier

To control the volume exclusively from your home theater or amplifier, you can change the line-out level on Neptune to **Fixed**.

Go to **...** > **Settings** > **Room Settings**. Select the Sonos product attached to the receiver. Select **Line-Out Level**, and choose **Fixed**.

**Note:** When you change the line-out level to **Fixed** on your Neptune you won't be able to adjust the volume or the equalization settings using a Sonos app.

Control the volume from Sonos

- 1. Adjust your home theater or amplifier's volume to typical listening volume.
- 2. If the line-out level is not currently set to **Variable**, you'll need to change it. Go to **...** > **Settings** > **Room Settings**. Select the Sonos product attached to the receiver. Select **Line-Out Level** and choose **Variable**.
- 3. Use the Sonos app to adjust the volume on your Sonos system so you can hear music. This may be at the high end of the volume scale.
- 4. If desired, you can readjust the volume on your home theater system or amplifier so that the volume range for the app falls within your typical listening range.

Use Sonos to control the volume on your home theater or amplifier

Set the **Line-Out Level** to **Pass-Through** to use Sonos to control the volume on your home theater or amplifier. You can adjust the volume using the Sonos app, the controls on a speaker, a third-party controller, or even your voice (if you have a voice-enabled speaker).

Go to **...** > **Settings** > **Room Settings**. Select the Neptune attached to the receiver. Select **Line-Out Level**, and choose **Pass-Through**. Neptune will stay at a fixed volume level and send volume commands to your home theater or amplifier to adjust the volume.

**Note:** Before setting the **Line-Out Level** to **Pass-Through**, make sure your amplifier supports it. If your amplifier doesn't support **Pass-Through**, you won't be able to control the volume when you choose it as the **Line-Out Level**.

Specifications

| Feature       | Description                |
|---------------|----------------------------|
| Audio         |                            |
| Sound Quality | THD+N<0.009%, 20 Hz-20 kHz |

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| Feature                | Description  |
|------------------------|--|
| Line In                | Analog (RCA), auto-detecting   |
| Line Out               | Analog (RCA), digital (coaxial)  |
| Networking*            |  |
| Wireless Connectivity  | Connects to your home Wi-Fi network with any 802.11b/g/n router. 802.11n only network configurations are not supported—you can either change the router settings to 802.11b/g/n or connect a Sonos product to your router. |
| Ethernet port          | Two 10/100 Mbps Ethernet ports. You can plug a Sonos product directly into your router if your Wi-Fi is unstable.  |
| General                |  |
| Power Supply           | Auto-switching 100 - 240V, 50-60 Hz AC universal input.  |
| Dimensions (H x W x D) | 2.91 x 5.35 x 5.51 in. (74 x 136 x 140 mm)   |
| Weight                 | 1.5 lb (.69 kg)  |
| Operating Temperature  | 32° to 104° F (0° to 40° C)  |
| Storage Temperature    | -4° to 158° F (-20° to 70° C)  |
| Product Finish         | Black/high quality polycarbonate material  |
| Package Contents       | Neptune, power supply, Ethernet cable, RCA stereo audio cable, stereo mini (male) to RCA (male) Y audio cable, and Quickstart Guide.   |

\* Specifications subject to change without notice.

# Explore our other products

Sonos products work together seamlessly. It's easy to add speakers and expand your system as your home changes.

## Speakers for your music

The perfect wireless speaker for any room in your home. You can even stereo pair two speakers (same model) in a room—turn each one into separate left and right channels for wider, bigger, and deeper sound.

- [Play:1](#): mini home speaker with mighty sound.
- [Sonos One](#): smart speaker with built-in voice control.
- [Play:3](#): mid-size speaker with stereo sound.
- [Play:5](#): biggest home speaker with boldest sound.

## Speakers for your TV

Sonos products for your TV provide full-theater sound and play music too. Enhance your home theater experience by adding a Sub, a pair of surrounds, or both.

- [Beam](#): compact soundbar with Amazon Alexa voice control, perfect for small to medium-sized rooms. Place on furniture or wall mount.
- [Playbase](#): widescreen sound and music streaming, created especially for TVs on stands or furniture. Low profile design practically disappears under your TV.
- [Playbar](#): powerful soundbar, perfect for use above or below wall-mounted TVs, or lay it flat on a table or console.
- [Sub](#): add dramatically deeper bass to any Sonos speaker, for home theater and music.

## Stereo upgrades

Convert existing speakers, stereos, and home theater into music streaming systems with an amplifier.

- [Amp](#): versatile amplifier for powering all your entertainment.
- [Connect](#): external amplifier provides instant music streaming for existing stereo or receiver.
- [Connect:Amp](#): digital amplifier is a music streaming upgrade for your favorite speakers.

## Sonos app

Control your Sonos system using [The Sonos app](#). Choose what to play, where to play it, and how loud. In one room or all over your home. Search across all of your music services and files simultaneously to find what you love. Create playlists in an instant. The Sonos app does it all.

## Accessories

Find the perfect [accessory](#) for your Sonos system on our website.

# The Sonos app

Download the app on your mobile device. You'll use it to set up and control your Sonos system.

Once your system is set up, you can also use your computer to control the music. Get the app at [www.sonos.com/support/downloads](http://www.sonos.com/support/downloads).

For the latest system requirements and compatible audio formats, go to <https://faq.sonos.com/specs>.

## Things you can do:

- Discover and [Play music](#)—explore internet radio, browse and search for music.
- Add [music](#) and [voice](#) services—keep your music together and add voice for touch-free play.
- Save your favorite music to [My Sonos](#)—easily find the music that you love.
- [Sonos playlists](#)—save songs to a playlist so you can listen to them anytime.
- Play music anywhere—group [rooms](#) to send the same music everywhere, or listen to different music in each room.

## Controls

### Room name

See what's playing or group rooms to play the same music in more than one room



### Queue

View and manage songs in the queue

### Now Playing screen

Shows album art

### Playback controls



Play/Pause, forward, back

### Info & Options

See additional information and options, like crossfade

### Room selector






Choose where you want the music to play

**Note:** You can skip through content by tapping  or  (available only with certain services).

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Tap an icon to find and play music.



|   |                 |   |
|---|-----------------|---|
|  | <b>My Sonos</b> | A space to save and play your favorite music and collections so you always know where to find the music you love.                               |
|  | <b>Browse</b>   | Browse through music services, your music library, and music on your mobile device. When you find music you like, start playing it in any room. |
|  | <b>Rooms</b>    | See what's playing in your rooms. Group rooms to play the same music in different rooms or everywhere.  |
|  | <b>Search</b>   | Search your music sources.  |
|  | <b>More</b>     | Add music and voice services, set alarms, go to Help & Tips, and Settings.  |

## Info & Options

Shows more information and options for the music. Appears on Now Playing and also as an option throughout the app when searching for music.

Tap  (iOS) or  (Android) for options, including:

- **Add to Sonos Playlist** or **Add to My Sonos**—personalize your music.
- **Share this Song (or station)**—send this song or station to friends through social media.
- **Crossfade**—create a smooth transition between songs.

## Queue

Tap  or **Show Queue** (tablets) for options, including:

- **Shuffle**—change the song order.
- **Repeat**—repeat all songs, or tap again to repeat the song that's playing.
- **Save**—save the queue to a playlist in My Sonos.

## Customize the queue

When you play a song, it's automatically added to your music queue. You can also add songs to the queue while browsing. Change, delete, or save the queue as a Sonos Playlist so you can easily listen to it again later.



### Add a song to the queue

Find a song and tap  (iOS) or  (Android).

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### Edit the queue

From Now Playing, open the queue and tap **Edit**.


- Delete a song—tap  (iOS) or  (Android).
- Move a song—touch and hold  and drag the song to a new location.

### Save a queue as a Sonos playlist

From Now Playing, open the queue and tap **Save** (doesn't include songs on your mobile device).

See [Sonos playlists](#) to learn how to save your queue.


# Rooms

You can group all your speakers together to play the same music for a party, or let everyone in the house listen to something different. Tap  to see what's playing in each room.




See [Room settings](#) to customize a room.

## Play music anywhere

*Play different music in any or every room:*

- If you're on the Now Playing screen, just tap  to choose where you want the music to play.
- Or
- If you're browsing, tap **...** and select **Play in Another Room**.

*Play the same music in more than one room:*

- Just tap  > **Group**. If you're on the Now Playing screen, tap the room name and then tap **Group**.
- Or
- If you're near a speaker, press and hold the  button. If different music is playing in different rooms, just press and hold  until you hear the sound you want.

## Room settings

Customize your room's settings—tune the sound, change the room name, turn on or off the speaker's status light and touch controls, or create a stereo pair.

### Tune your room with Trueplay™ (iOS)

Every room is different. With Trueplay tuning, you can put your speakers wherever you want. Trueplay analyzes room size, layout, décor, speaker placement, and any other acoustic factors that can impact sound quality. Then it adjusts how each woofer and tweeter produces sound in that room (works on mobile devices running iOS 8 or later).

Tap **...** > **Settings** > **Room Settings**. Pick a room and tap **Trueplay Tuning** to get started.

**Note:** Trueplay tuning isn't available if VoiceOver is enabled on your iOS device. If you want to tune your speakers, first turn VoiceOver off in your device settings.

### Adjust EQ settings

Sonos speakers ship with the equalization settings preset to provide the optimal playback experience. You can change the sound settings (bass, treble, balance, or loudness) to suit your personal preferences. The loudness setting boosts certain frequencies, including bass, to improve the sound at low volume.

1. On a mobile device, tap **...** > **Settings** > **Room Settings**.
2. Select the room you want to adjust.

## Change room name

If you move your speaker to a new room, you can change its name.

Tap **...** > **Settings** > **Room Settings** and choose a room to rename it.

## Turn off the status light

There's a status light near the volume controls on each speaker to indicate that it's on and working fine. If the light is distracting, you can turn it off. If it ever flashes orange, go to <http://faq.sonos.com/led> for additional information.

Tap **...** > **Settings** > **Room Settings** and choose a room to turn the status light on or off.

## Disable speaker touch controls

You can disable the buttons on your speaker so they won't respond to touch. You may want to do this so your child can't accidentally start and stop playback or change the volume.

Tap **...** > **Settings** > **Room Settings** and choose a room to turn the touch controls on or off.

## Set max volume

You can set a maximum volume for each room.

1. Tap **...** > **Settings** > **Room Settings**.
2. Choose a room and tap **Volume Limit**.
3. Use the slider to set the maximum volume.

## Turn off Wi-Fi

You can choose to turn off your speaker's Wi-Fi when you connect it to your network with an Ethernet cable. This reduces power consumption and can improve connectivity for some wired speakers.

For products like Amp, Connect, and Connect:Amp, turning off Wi-Fi can reduce the internal temperature when they're placed in a rack or stacked.

1. Tap **...** > **Settings** > **Room Settings**.
2. Choose a room and tap **Advanced Room**.
3. Toggle the Wi-Fi on or off.

## Stereo pairs

Pair two Sonos speakers in the same room for a wider, stereo experience. One speaker serves as the left channel and one serves as the right channel.

**Note:** The Sonos speakers in a stereo pair must be the same type.

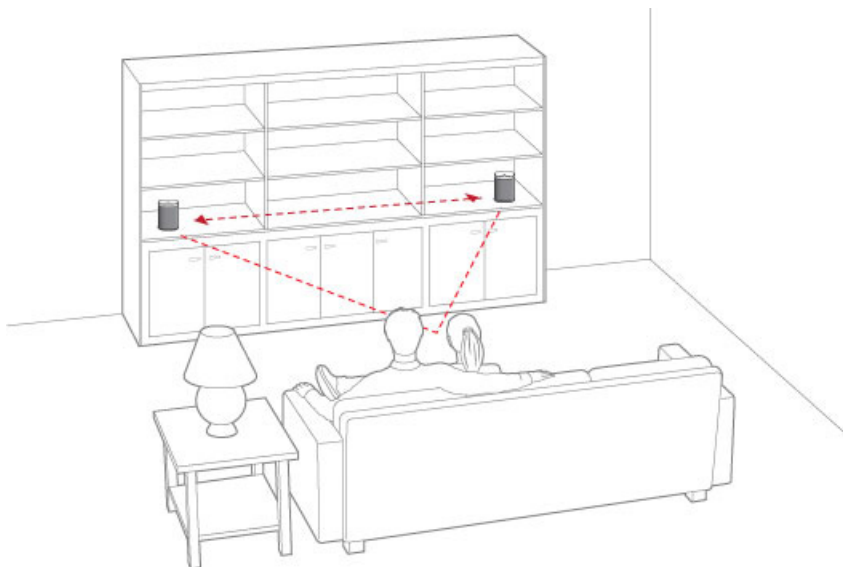
## Placement information

- Place the speakers 8 to 10 feet apart.



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- Your favorite listening position should be 8 to 12 feet from the paired speakers—less distance increases bass, more distance improves stereo imaging.



### Create a stereo pair

1. Tap **...** > **Settings** > **Room Settings**.
2. Choose a speaker and tap **Create Stereo Pair**.

After you pair your speakers, the room name includes (L + R).

### Separate a stereo pair

1. Tap **...** > **Settings** > **Room Settings**.
2. Choose the stereo pair (room name includes (L + R)) and tap **Separate Stereo Pair**.

### Voice Services and stereo pairs

Voice services behave differently in stereo pairs depending on the voice service and Sonos products you're using.

#### If you're using Amazon Alexa:

- In a stereo pair, Alexa is active on both speakers, but only responds from the speaker closest to you.
- If you have a Beam with surrounds, Alexa is only active on the Beam.
- If you have a Playbar or Playbase with surrounds, Alexa is active on both speakers, but only responds from the speaker closest to you.

#### If you're using the Google Assistant:

- In a stereo pair, the Google Assistant is active on only one of the speakers.
- If you have a Beam with surrounds, the Google Assistant is only active on the Beam.
- If you have a Playbar or Playbase with surrounds, the Google Assistant is active on only one of the surrounds.

# Sonos home theater

Sonos products for your TV provide full-theater sound and play music too.

- **Beam**: compact soundbar with Amazon Alexa voice control, perfect for small to medium-sized rooms. Place on furniture or wall mount.
- **Playbase**: widescreen sound and music streaming, created especially for TVs on stands or furniture. Low profile design practically disappears under your TV.
- **Playbar**: powerful soundbar, perfect for use above or below wall-mounted TVs, or lay it flat on a table or console.
- **Amp**: versatile amplifier for powering all your entertainment.
- **Sub**: add dramatically deeper bass to any Sonos speaker, for home theater and music.

Create a home theater system when you wirelessly connect a pair of rear speakers and a Sub.

## Add surrounds

It's easy to turn two Sonos speakers (same model), or two of your favorite non-Sonos speakers (used with Amp or Connect:Amp) into separate right and left channels for your home theater.

**Note:** If you create a room group or a stereo pair instead, you won't have surround sound.

1. Tap **...** > **Settings** > **Room Settings**.
2. Choose the room with the home theater speaker and tap **Add Surrounds**.

**Note:** When you set up a Connect:Amp as surround speakers, you need to use Ethernet cables to connect both the home theater speaker and the Connect:Amp to your router. If you have a Playbar, you can wire your Connect:Amp to the Playbar, and then connect the Playbar to your router.

## Change surround settings

When you add your speakers as surrounds, surround sound is optimized for your room. You can adjust these settings:

|                                  |  |
|----------------------------------|--|
| <b>Surrounds</b>                 | Turn surround sound <b>On</b> or <b>Off</b> .  |
| <b>TV Level</b>                  | Adjust surround volume for TV audio.   |
| <b>Music Level</b>               | Adjust surround volume for music.  |
| <b>Music Playback</b>            | <b>Ambient</b> (subtle) or <b>Full</b> (louder, full range).<br>Doesn't apply to TV audio. |
| <b>Balance Surround Speakers</b> | Manually balance your surround speakers.   |

1. Tap **...** > **Settings** > **Room Settings**.
2. Choose the room with the surround speakers (name includes (+LS+RS)).
3. Select **Advanced Audio** > **Surround Settings** and change the settings.

## Remove surrounds

If the speakers were part of your Sonos system before you added them as surrounds, they'll revert back to their previous room names. Otherwise, they'll appear as **Unused** in **Rooms**.

1. Tap **...** > **Settings** > **Room Settings**.
2. Choose the room with the surround speakers (name includes (+LS+RS)) and tap **Remove Surrounds**.

## Voice services with surrounds

Voice services behave differently with surrounds depending on the voice service and Sonos products you're using.

### If you're using Amazon Alexa:

- If you have a Beam with surrounds, Alexa is only active on the Beam.
- If you have a Playbar or Playbase with surrounds, Alexa is active on both speakers, but only responds from the speaker closest to you.

### If you're using the Google Assistant:

- If you have a Beam with surrounds, the Google Assistant is only active on the Beam.
- If you have a Playbar or Playbase with surrounds, the Google Assistant is active on only one of the surrounds.

## Add a Sub

The Sonos Sub takes your audio experience to the next level—

- Powerful, deep impact bass for your home theater and your music.
- Allows placement anywhere because it's wireless and compact—position it vertically or horizontally on any floor surface.
- The top of the acoustic slot doubles as a handle so you can lift it.

To add a Sub, tap **...** > **Add Speakers**. See [Sub](#) for more information.

## Adjust home theater settings

Use the app to change sound settings or modify the way your home theater speaker works with your TV. Refer to [The Sonos app](#) to get more information.

**Note:** You can also use the Sonos app for Mac or PC.

### TV Dialog Settings

If TV audio is out of sync with video, use the app to adjust the audio delay (lip sync).

1. Tap **...** > **Settings** > **Room Settings** and select the room.
2. Tap **Advanced Audio** > **TV Dialog Settings**.
3. Drag your finger across the **Audio Delay (Lip Sync)** slider to increase or decrease the sound delay.

## TV Autoplay

**TV Autoplay**—if music is playing when you turn on your TV, the music stops and the home theater speaker switches to TV audio (default). If you don't want the music to stop automatically, you can turn off **TV Autoplay**.

**Ungroup on Autoplay**—if your home theater speaker is grouped with other speakers when you turn on the TV, it drops from the group (default). If you don't want this to happen automatically, you can turn off **Ungroup on Autoplay**.


1. Tap **⋮** > **Settings** > **Room Settings** and select the room.
2. Tap **TV**.

## Enhance TV sound

When you're watching TV, the Now Playing screen in the app includes sound enhancement settings. These features are only visible when you're looking at the room where your home theater speaker is located.

### Speech Enhancement

Makes TV dialog easier to hear.

Tap  on the Now Playing screen to turn on or off.

If you have an Amazon Alexa-enabled home theater speaker, you can say “[insert utterance here]” to turn on or off.

### Night Sound

Enhances quiet sounds and reduces the intensity of loud sounds. Turn on to reduce the volume while still experiencing proper balance and range.

Tap  on the Now Playing screen to turn on or off.

If you have an Amazon Alexa-enabled home theater speaker, you can say “[insert utterance here]” to turn on or off.

## Program your remote control

During setup, you'll program your remote control. You can program a different remote control any time.

1. Open the app and tap **⋮** > **Settings** > **Room Settings**.

**Note:** You can also use the Sonos app for Mac or PC to program your remote.

2. Choose the room.
3. Tap **Remote** > **Remote control setup**.

If you have a home theater speaker, you can set it to ignore commands from your remote control by tapping **Remote** > **Use IR**.

**Note:** Some TVs show unnecessary messages when you adjust the volume. You may be able to turn these off. See [Turn off volume control messages](#).

## Troubleshooting for home theater speakers

**Warning:** Don't open the product as there is a risk of electric shock. Under no circumstances should the product be repaired by anyone other than an authorized Sonos repair center, as this will invalidate the warranty. Please contact Sonos Customer Support for more information.

### Customer Support

- Visit our website at [www.sonos.com/support](http://www.sonos.com/support)
- Email us at [support@sonos.com](mailto:support@sonos.com)

### Speaker not detected during setup

- Make sure your system is updated to the current software.
- Insert the power cord fully into the home theater speaker and your power source.
- Move speaker closer to your router.

### Can't turn off TV's speakers

If you're using the optical adapter, during setup you'll turn off your TV's speakers. Refer to your TV owner's guide for more information.

If you can't turn them off,

1. Use the TV's volume buttons to turn the volume completely down. Don't use the **Mute** button.
2. Use only the volume buttons on your Sonos app to adjust the volume.

### Turn off volume control messages

Some TVs may show volume control messages when you adjust the volume, even after you turn off your TV speakers. (If you have Beam, this happens if it's connected to your TV using the optical adapter.)

You may be able to program your remote control to turn off these messages.

1. Program a device key.
  - Refer to your remote control's instructions or the cable box's on-screen help.
  - Contact your cable service provider for more help.
2. In the code list, search for the Sonos code.
  - If Sonos doesn't appear, select a code *other than that of your TV and its connected devices*.
  - *DON'T initiate an automated search for a code.*
3. Lock the volume control to your home theater speaker.

**Note:** This feature is sometimes referred to as volume lock or volume punch.

4. Program your remote control to work with your home theater speaker.

### Universal remote controls

If you can't program your universal remote control, or want to turn off volume control messages when you adjust the volume, you may want to try switching to a Logitech Harmony universal remote.

## Logitech universal remote controls

You'll need to add your home theater speaker as a device.

1. Use the USB cable provided by Logitech to connect your Harmony remote to your computer.
2. Set up a Logitech user account and install the Harmony Remote software.
3. Launch the Logitech Harmony Remote software or go to [www.logitech.com/myharmony](http://www.logitech.com/myharmony) and login to your account.
4. Select **Add Device**.
5. Choose an option:
  - Logitech Harmony Remote software
  - My Harmony website
6. Select or enter Sonos as the manufacturer and your home theater speaker as the model name/number.

**Note:** You may need to add your home theater speaker if it doesn't exist in the database.

# Voice services

To use Alexa with Sonos, you'll need the Alexa app with the Sonos skill enabled—if you don't have it, we'll guide you through the process when you add a voice service.

## Add a voice service

1. Open the Sonos app on your mobile device.
2. Tap **...** > **Voice Services** and select the voice service.
  - You'll make changes in both the Sonos and Alexa apps—we'll guide you through it.
  - You'll need your Sonos account info. If you can't remember it, tap **...** > **Settings** > **Account Settings**.

Here are some things you can try with Alexa...

- Alexa, play top hits from the 1970s in the kitchen.
- Alexa, pause the kitchen.
- Alexa, what is playing in the living room?
- Alexa, turn up the volume.

(Sonos doesn't support Alexa voice calling.)

**Note:** Over time we'll add more voice services and skills. Voice control is not supported in every country yet—this feature will be available as soon as Sonos and a voice service launch together in your region.

## Voice service settings

You can change the language of your voice service's wake word. You can also turn off the chime you hear whenever you say a wake word.

Just tap **...** > **Settings** > **Room Settings** and choose the room with your voice service.

## Remove a voice service

1. Tap **...** > **Settings** > **Room Settings**.
2. Choose the room with Alexa.
3. Tap **Amazon Alexa** and remove Amazon Alexa from the room.


# Play music

You can get the music playing on Sonos a number of ways—choose whichever control works best in the moment. Use the Sonos app, your own music service app, ask Alexa, or use AirPlay to stream audio to Sonos. If you’re near a speaker, use the controls on your speaker to resume an earlier listening session or change the song.

If you want to change where the music is playing, see [Play music anywhere](#).

**Note:** When Sonos has been inactive for awhile, you’ll be asked to choose the room where you want music to play. If you don’t want to choose a room each time, go to **Settings > Advanced Settings** and turn off **Confirm Location**.

## The Sonos app

The free Sonos app is the easiest way to play anything and everything on Sonos. Simply open the app, tap  and choose from the list of [Music sources](#).

If you don’t have the Sonos app, download it from the app store. To learn more about how the app works, see [The Sonos app](#).

## Voice commands

If you have a Sonos One, Beam, S17, or Alexa device, you can use your voice to play and control the music. Ask Alexa to play your favorite radio station or the top hits on Spotify.


To use Alexa with Sonos, you’ll need the Alexa app with the Sonos skill enabled—if you don’t have it, go to [Add a voice service](#) and we’ll guide you through setup.

**Note:** Over time we’ll add more voice services and skills. Voice control isn’t supported in every country yet—this feature will be available as soon as Sonos and a voice service launch together in your region.

## Controls on the speaker

If you’re near a speaker, you can use the speaker controls to adjust volume, stop the music, or change the song.

*On Sonos One, Play:5, Beam, Playbase, and Amp:*

|   |                       |   |
|---|-----------------------|---|
|  | <b>Volume control</b> | <ul style="list-style-type: none"><li>• Touch and hold to quickly change the volume:</li><li>• <b>Volume up</b> (right); <b>Volume down</b> (left).</li></ul> |
|---|-----------------------|---|



|           |                      |  |
|-----------|----------------------|--|
| >         | <b>Play/Pause</b>    | <ul style="list-style-type: none"> <li>• Press <i>once</i> to play or pause music.</li> <li>• Press and hold to add the music that's playing in another room.</li> </ul>   |
| :: >   :: | <b>Next/Previous</b> | <ul style="list-style-type: none"> <li>• Swipe right across the touch controls to skip to the next song.</li> <li>• Swipe left to go to the previous song.</li> </ul> <p><b>Note:</b> You can't skip forward or go back when listening to a radio station.</p> |

On Play:1, Play:3, Playbar, Connect:Amp, and Connect:

|     |  |   |
|-----|--|---|
| + - | <b>Volume up (+)<br/>Volume down (-)</b> | <p>Press to adjust the volume.</p> <p><b>Note:</b> You can also use the app.</p>  |
| >   | <b>Play/Pause</b>                        | <ul style="list-style-type: none"> <li>• Press <i>once</i> to play or pause music.</li> <li>• Press <i>twice</i> to skip to the next song (if applicable to the selected music source).</li> <li>• Press <i>three times</i> to skip to the previous song.</li> <li>• Press and hold to add the music playing in another room.</li> </ul> <p><b>Note:</b> You can't skip forward or go back when listening to a radio station.</p> |

For more information about using your speaker, see [Explore our other products](#).


## Your music service app

You can control Sonos directly from some music apps (like Spotify and Pandora). Just open the music service app and connect to a Sonos room or group to start the music.

## AirPlay 2

You can use AirPlay 2 to stream music, movies, podcasts, and more directly from your favorite apps to your Sonos speakers. Listen to Apple Music on your Sonos One. Watch a YouTube or Netflix video and enjoy the sound on Sonos.

**Note:** To use AirPlay, you need a Sonos speaker that supports it (Sonos One, Play:5, Playbase, and Beam) and an iOS device. Other Sonos speakers can play AirPlay audio when you group them with an AirPlay compatible Sonos speaker. See [Play music anywhere](#) for more information about grouping rooms.

1. Swipe up from the bottom of your iPhone or iPad to open the Control Center. If you have an iPhone X, swipe from the top right corner of the screen.
2. Press and hold the audio card in the upper-right corner, then tap .
3. Tap a speaker or speakers to stream to.

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You can also use AirPlay directly from many of your favorites apps.

### **Grouping non-compatible AirPlay speakers**

To choose whether or not your speakers that aren't AirPlay-compatible stay grouped with speakers that are playing AirPlay, tap **...** > **Settings** > **AirPlay**.


# Music sources

Sonos gives you easy access to all the music you love—play your favorite artist’s newest single from Spotify, your favorite playlist from your phone, a local news radio station, and much more.

- **Radio by TuneIn**: select from more than 100,000 free internet radio stations, podcasts, and shows.
- **Music services**: explore and manage your music services—add your own or try something new.
- **Stored on your mobile device**: play music you’ve downloaded to your phone or tablet.
- **Stored on your computer**: play music stored on your computer or any Network-Attached Storage (NAS) device.
- **From other audio devices**: play music from an external audio device, like a turntable.

**Note:** When Sonos has been inactive for awhile, you’ll be asked to choose the room where you want music to play. If you don’t want to choose a room each time, go to **Settings > Advanced Settings** and turn off **Confirm Location**.



## Radio by TuneIn

- Tap  > **Radio by TuneIn** to browse through radio stations.
- Tap a station to play the music.
- **Save your favorites**.

If you can’t find what you need, go to <https://faq.sonos.com/radio>.

## Change your local radio location

See what’s playing around the world.

1. Tap  > **Radio by TuneIn > Local Radio**.
2. Next to the current Local Radio location, tap **...** (iOS) or  (Android) > **Change Location**.

## Add a custom radio station

Add a radio station that’s not in the radio guide to your Favorites. You need to know the streaming URL, and the station has to use the streaming MP3, HLS/AAC, or WMA broadcast format.

1. Open the Sonos app on your computer.
2. From the **Manage** menu, select **Add Radio Station**.
3. Type or paste the radio station’s streaming URL (for example:  
**<http://shoutcast.com/sbin/shoutcast-playlists.pls?rn=8107&file=filename.pls>**).
4. Enter the radio station’s name in the **Station Name** field.  
The new station appears in your **My Radio Stations** list.

## Edit a custom radio station

1. Open the Sonos app on your computer.
2. From the **MUSIC** pane, select **Radio by TuneIn** and choose **My Radio Stations**.

3. Click ▼ next to the station you want to edit, and choose **Edit Radio Station**.
4. Change the streaming URL or the station name.

## Music services

Free. Premium. Curated. On-demand. Sonos works seamlessly with most music and content services, as well as downloads from any service offering DRM-free tracks. Service availability varies by region. For a complete list, see <http://www.sonos.com/music>.

### Add a music service

1. Tap ... > **Add Music Services**.
2. Select the music service and follow the prompts.  
You can add multiple accounts for the same service.

**Note:** Some music services may not be available in your country. Check the music service's website for more information.

### Change the music service account name

The account name appears under the music service.

1. Tap ... > **Settings** > **My Music Services**.
2. Select a music service account and tap **Change name**.

### Set the default music service account

If you have multiple accounts for the same service you can set a default account. If you use a shared device to control Sonos, you can switch to your personal account so that changes, such as liking an artist, affect only your account.

1. Tap 🎵 .
2. Select a music service.
3. Tap the music service's name and select an account.  
The default account name appears below the music service.

### Change your music service password

1. Change your password on the music service provider's website.
2. In the Sonos app, tap ... > **Settings** > **My Music Services**.
3. Select a music service account and tap **Change Password**.

**Note:** If you don't change your music service's password first, the service won't work on your Sonos system.


### Remove a music service account

1. Tap ... > **Settings** > **My Music Services**.
2. Select a music service account and tap **Remove account**.

## From your music service app

You can control Sonos directly from some music apps (like Spotify and Deezer). Just open your music service app and connect to a Sonos room or group to start the music.

## Stored on your mobile device

Just Tap  > **On this Mobile Device** to play music stored on your phone or tablet.

- If you're using an iOS device, go to **Settings > App Settings** and enable **On this Device** to allow access to your stored music.
- To learn more about playing music stored on an Android device, go to <https://faq.sonos.com/aptf>.

## Stored on your computer

Use a computer to set up your music library. Then you can manage it using the Sonos app on your computer or mobile device.

**Note:** To play your music library, make sure the computer or NAS device storing your music library is on and connected to the same Wi-Fi as Sonos.

### Add a music library

1. Open the Sonos app on your computer.
2. Go to **Manage > Settings > Music Library**.
3. On the Folders tab, select **Add** and follow the prompts.

### View music library folders

On your mobile device, tap **...** > **Settings > Manage Music Library > Music Library Setup**.

The music folders that you've shared with Sonos appear.

### Remove a music library

1. On your mobile device, tap **...** > **Settings > Manage Music Library > Music Library Setup**.
2. Select a folder and delete it.

### Update the music index

Sonos indexes your music library so you can view your music by category. If you add music, update the index to add the music to your music library.

1. On your mobile device, tap **...** > **Settings > Manage Music Library**.
2. Tap **Update Music Index Now > Scan Now**.

### Schedule automatic updates


1. Tap **...** > **Settings > Manage Music Library**.

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2. Turn on **Schedule Music Index Updates**.
3. Tap **Music Index Update Time**, and select the time.

### Play music from imported playlists

Sonos is compatible with iTunes playlists, as well as M3U, WPL and PLS playlist files created with third-party software. Sonos doesn't change music or playlist files created by other applications; these files are read-only.

1. Drop the playlist file (.PLS, .M3U or .WPL) into the same music folder you shared to Sonos.
2. Update your music index.
3. Tap  > **Music Library** > **Imported Playlists**.

### iTunes support

iTunes playlists import into **Imported Playlists** as long as you share the '*iTunes Music Library.xml*' file with your music to Sonos. This file is usually in the iTunes folder.

When you change your iTunes playlist(s), exit iTunes, and update your Sonos music index to see the changes. See [Update the music index](#).

### Sort folders

Sort your music folders by song name, song number, or file name.

1. Tap **...** > **Settings** > **Manage Music Library**.
2. Tap **Sort Folders By** and select your preference.

### Contributing artists

Set your preferences to show or hide individual artists.

1. Tap **...** > **Settings** > **Manage Music Library**.
2. Turn on **View Contributing Artists**.

### Compilation albums

If your music collection contains compilations and soundtracks, you can group these songs in your music library instead of viewing them by individual artist.

### Group using Album Artists

Windows Media Player, and some other players, use the Album Artist category to group compilations and soundtrack albums.

1. Tap **...** > **Settings** > **Manage Music Library** > **Compilation Albums**.
2. Tap **Use Album Artists**.

### Group using iTunes compilations

You can organize compilations and soundtrack albums as *[Compilations]/[Album]/[Song name]*.

1. In iTunes, mark songs as part of compilations: highlight the song and select **Edit** > **Get Info**.
2. Check the **compilation** checkbox.
3. Select **View** > **Column Browser** > **Group Compilations**.
4. In the Sonos app, tap **...** > **Settings** > **Manage Music Library** > **Compilation Albums**.

5. Tap **Use iTunes Compilations**.

## Play music from UPnP servers

Sonos plays music from compatible UPnP servers on your Wi-Fi.

1. Enable UPnP in your music service app.
2. Tap **...** > **Settings** > **Advanced Settings** and turn on **Show UPnP Servers**.

## From other audio devices

You can connect an audio device like a turntable, stereo, or MP3 player to a Play:5, Amp, Connect, or Connect:Amp and stream the audio to Sonos. Just plug in any device you want, then go to **Browse** > **Line-In** and select the source.

### To an external source like a pre-amped turntable:

- **Amp/Connect/Connect:Amp**—Plug a standard RCA cable into the analog **Audio In** connections on the back of your Sonos speaker.
- **Play:5**—You need a 3.5mm to 3.5mm stereo audio cable.

### To a portable music player:

- **Amp/Connect/Connect:Amp**—Use a 1/8" mini-stereo to RCA audio cable—plug the mini-stereo end into the portable device and the RCA end into the **Audio In** connection on the Sonos speaker.
- **Play:5**—You need a 1/8" (3.5mm) mini-stereo to RCA audio cable.

## Change the settings

1. Go to **...** > **Settings** > **Room Settings**. Choose the Sonos speaker the source is connected to and touch **Advanced Audio** > **Line-In**.
2. You can change the following settings:
  - **Line-In Source Name**: Choose a name from the list.
  - **Line-In Source Level**: A default (typical) line-in source level is automatically assigned for each source. If the volume sounds too low, you can choose a higher line level. (You may experience clipping at higher volume levels if you set the level too high.)
  - **Autoplay Room**: Choose the room you want this line-in source to play in whenever it's connected to Sonos.
  - **Include Grouped Rooms**: Turn on if you want the line-in source to play in rooms that are grouped with the autoplay room.
  - **Use Autoplay Volume**: Click the **Use Autoplay Volume** box if you want to use the external source to adjust the volume in the autoplay room. Use the slider to set a default volume.

## Line-in encoding settings

When you have line-in music sources attached to a Sonos product, line-in encoding determines how Sonos will encode the data coming in from these sources. Your Sonos system defaults to *automatic* in order to provide the optimal playback experience. Sonos recommends you don't change this default. However, if you decide to make a change, we recommend the following usage guidelines:

Use **Uncompressed** if:

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- You want optimal performance with home theaters.
- You want to produce the highest quality sound for your Sonos system (this selection requires more network bandwidth than compressed audio.)

Use **Compressed** if:

- You are connecting more than 4 rooms wirelessly.
- You are in an environment with heavy wireless interference and are experiencing dropouts.

To change the line-in encoding setting, tap **...** > **Settings** > **Advanced Settings** > **Audio Compression**.



# Important safety information

Please read these instructions and heed all warnings. Keep them in a convenient location and make sure everyone in the household is aware of them.

## Location

- Don't use the unit near water.
- Don't expose apparatus to dripping or splashing and don't place objects filled with liquids, such as vases, on the apparatus.
- Don't place the unit where it will be exposed to excessive heat (e.g., radiators, heat registers, stoves), direct sunlight, or a dusty environment (e.g., woodworking shop.)
- Don't place the unit where it will be exposed to flammable liquids and/or fumes.
- Allow at least 1" between the unit and any walls or surfaces.
- Protect the power cable from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where it exits the product. The mains cord should be readily available to disconnect the power.
- The product should not be used near water—avoid close proximity to a bathtub, kitchen sink, laundry tub, wet basement, swimming pool, etc.
- The speaker is for indoor use only. Don't expose to rain or snow.

## Proper Ventilation

- Leave one inch of open space around the sides and above the unit to ensure proper ventilation.
- Ventilation should not be impeded by covering the ventilation openings with items such as tablecloths, curtains, or papers.
- Don't let foreign objects into the unit. If a foreign object should get into the unit, unplug the unit and contact Sonos for servicing guidance.

## Warning

- Don't operate or handle the product with wet hands.
- Only use attachment/accessories specified by Sonos.
- Unplug the power cord during lightning storms or when unused for long periods of time.
- Never disassemble or modify the product in any way.

## Cleaning & maintenance

- Dust with a dry, soft cloth. A cloth moistened with water or gentle household cleaner may be used to clean dirt or stains, but unplug the product first. Don't spray liquids directly onto the product.
- Don't use chemical solvents (e.g. alcohol, benzene, paint thinner) or other flammable cleaning liquids.
- Refer all servicing to Sonos qualified service personnel. Servicing is required when the unit or the power cord has been damaged in any way, if liquid or other foreign matter has fallen into the ventilation

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openings, the unit has been exposed to rain or moisture, or the unit has been dropped.



**Warning:** To reduce the risk of fire or electric shock, don't expose this apparatus to rain or moisture.