SONOS

Connect

Product Guide

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Sonos Connect

The Sonos Connect is designed to be used with an external amplifier. It contains both analog and digital outputs so you can easily Connect it to your existing audio equipment (see **Explore Connect** for more information).

- Use a Connect to listen to music in a room where you already have an amplifier, such as your home theater system or the stereo system in your family room.
- Use a Connect to listen to music in your home office where you already have a computer or a pair of powered speakers.
- Use a Connect if you have a distributed audio system that is driven from an amplifier in one central location with speaker wires home-run to this central location.

New to Sonos?

Download the app from the app store on your mobile device. Open the app and we'll guide you through setup. If you're using a computer, get the app at **www.sonos.com/support/downloads**.

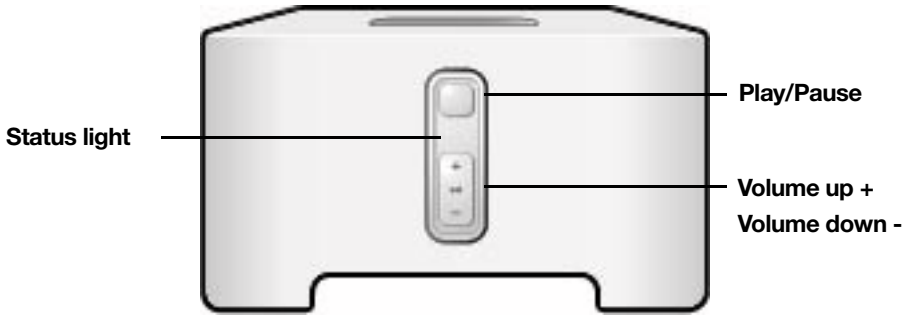
For the latest system requirements and compatible audio formats, go to **http://faq.sonos.com/specs**.

Already have a Sonos?

Sonos can be easily expanded room by room. You can turn directly to **Add to an existing Sonos system** if you are adding this Connect to an existing Sonos system.

Explore Connect

Play and control your music using the Sonos app or the controls.



Controls

+ −	**Volume Up (+)** **Volume Down (-)**	Press to adjust the volume. **Note:** You can also use the app.
⏯	**Play/Pause**	• Press *once* to play or pause music. • Press *twice* to skip to the next track (if applicable to the selected music source. • Press *three times* to skip to the previous track. • Press and hold to add the music playing in another room. **Note:** You can't skip or go to the previous track when listening to radio stations.
	Status light	Indicates the status. For more information, see **http://faq.sonos.com/led**.

Connector panel

Ethernet ports (2)	You can use an Ethernet cable (supplied) to Connect to a router, computer, or additional network device such as a network-attached storage (NAS) device. LED indicators: • Flashing Green (network activity) • Yellow (link Connection)
AC power (mains) input (100 - 240 VAC, 50/60 Hz)	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 such as a CD player, to the Sonos Connect'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, such as an amplifier or your home theater receiver.
TOSLINK® digital audio out	You can use a TOSLINK optical audio cable to Connect the Sonos Connect's TOSLINK digital audio output to the audio inputs on a separate audio component, such as 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, such as an amplifier or your home theater receiver.

Play music

Open the Sonos app and tap to play your music.

- **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.
- **Music stored on your mobile device**. Play music you've downloaded to your phone or tablet.
- **Music library**. Play music stored on your computer or any Network-Attached Storage (NAS) device.

For a full list of the music choices available in your country, go to **www.sonos.com/music**. For more information about playing music, check out our mobile app product guide at **www.sonos.com/guides**.

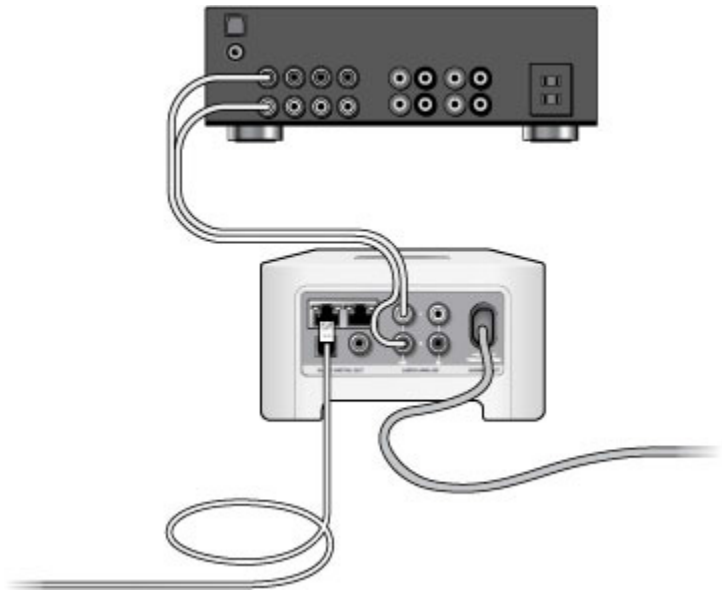
Add to an existing Sonos system

Once you've got your Sonos system set up, you can easily add more Sonos products any time (up to 32). Use the Sonos Connect's audio outputs to connect it to a home theater, computer, powered speakers, or amplifier.

If your house has structured (built-in) wiring, you can make a wired connection to the additional Sonos products. If you don't have structured wiring, our built-in wireless technology is ideal for you.

1. Attach the power cord and plug in the Sonos Connect.
   The **Audio** indicator (green) and the **Status indicator** (white) will begin to flash.
2. Choose one of the following options:

   ### Connect to a home theater or amplifier



   - If you have *digital inputs* on your home theater or amplifier, you can use either a TOSLINK® optical audio cable or a digital coaxial cable to Connect the Sonos Connect'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 the Sonos Connect's analog audio output to the audio inputs on the receiver.

- Select the proper input channel on the receiver. See **Controlling the volume from your home theater or amplifier** to adjust volume settings.

Connect to a computer or powered speakers

- **If you are Connecting to your computer:** You will need a stereo mini to RCA Y-adapter audio cable (one 1/8-inch stereo miniplug to dual RCA male Connectors) to Connect the Sonos product's analog audio output to the computer's audio input.
- **If you are Connecting to powered speakers***:* You may need a Y-adapter audio cable (one 1/8-inch 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-inch stereo plug, you will need to attach a female-to-female coupler between the speaker plug and the Y-adapter audio cable.

3. If you are making a wireless Connection, skip this step and continue on to step 4. If you are making a wired Connection, Connect a standard Ethernet cable from your router or another Sonos product (or a live network wall plate if you have built-in wiring) to one of the Ethernet switch Connections on the back of the new Sonos product.
4. Choose one of the following options:
   - On a mobile device, tap ••• > **Settings** > **Add a Player or Sub** and follow the prompts.
   - On a Mac or PC, go to **Manage** > **Add a Player or Sub** and follow the prompts.

Thick walls, 2.4 GHz cordless telephones, or the presence of other wireless devices can interfere with or block the wireless network signals from Sonos. If you experience difficulty after positioning a Sonos product, try one or more of the following resolutions—relocate the Sonos product; change the wireless channel your music system is operating on; Connect a Sonos product to your router if your setup is currently wireless.

Use line-in

You can Connect an external source like a portable music player to any Sonos player that has a line-in Connection. The source will be automatically detected as soon as you plug it in.

To a portable music player: Use a 1/8 inch 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 player.

To an external source like a CD player: Plug a standard RCA cable into the analog **Audio In** Connections on the back of your Sonos player.

Playing music

- On a mobile device, select **Browse** > **Line-In** and choose the line-in device.
- On a Mac or PC, select **Line-In** from the **MUSIC** pane. Click ▼ next to the music source and choose **Play Now**.

Changing the settings

1. Choose one of the following:
   - On a mobile device, go to ••• > **Settings** > **Room Settings**. Choose the Sonos speaker the source is Connected to and touch **Line-In**.
   - On a Mac or PC, go to **Manage** > **Settings** (PC) or **Sonos** > **Preferences** > **Room Settings** (Mac). Choose the Sonos speaker the source is Connected to from the **Room Settings for** drop-down and click the **Line-In** tab.

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 do not change this default. However, if you decide to make a change, we recommend the following usage guidelines:

Use **Uncompressed** if:

- 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, select one of the following options:

- On a mobile device, go to ••• > **Settings** > **Advanced Settings** > **Audio Compression**.
- On a PC, go to **Manage** > **Settings** > **Advanced**.
- On a Mac, go to **Sonos** > **Preferences** > **Advanced**.

Line-out

Controlling the volume from your home theater or amplifier

To control the volume exclusively from your home theater or amplifier, you can change the line-out level on the Sonos Connect to **Fixed** by selecting one of the following options:

- On a mobile device, go to ••• > **Settings** > **Room Settings**. Select the Sonos product attached to the receiver. Select **Line-Out Level**, and choose **Fixed**.
- On a PC, go to **Manage** > **Settings**. Select the Sonos product attached to the receiver. Choose **Fixed** from the **Line-Out Level** drop-down on the **Basic** tab.
- On a Mac, go to **Sonos** > **Preferences** > **Rooms Settings**. Select the Sonos product attached to the receiver, and then choose **Fixed** from the **Line-Out Level** drop-down on the **Basic** tab.

Note: When you change the line-out level to **Fixed** on your Sonos Connect you will not be able to adjust the volume or the equalization settings using a Sonos app.

Controlling 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 will need to change it:
   - On a mobile device, go to ••• > **Settings** > **Room Settings**. Select the Sonos product attached to the receiver. Select **Line-Out Level** and choose **Variable**.
   - On a PC, go to **Manage** > **Settings**. Select the Sonos product attached to the receiver, and then choose **Variable** from the **Line-Out Level** drop-down on the **Basic** tab.
   - On a Mac, go to **Sonos** > **Preferences** > **Rooms Settings**. Select the Sonos product attached to the receiver, and then choose **Variable** from the **Line-Out Level** drop-down on the **Basic** tab.
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.

Your home network

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

Wireless network

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

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

Note: Satellite internet access may cause playback issues.

Wired home network

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 5GHz only (not switchable to 2.4GHz).
- Your router supports only 802.11n (you can't change the settings to support 802.11b/g/n).

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

Got a new router?

If you purchase a new router or change your internet service provider (ISP), you'll need to restart your Sonos products after the router is installed.

Note: If you keep a Sonos product connected to your router and an ISP technician connects it to the new router, then you'll only need to restart your other Sonos products.

1. After the router is set up, disconnect the power cords from your Sonos products for at least 5 seconds.
2. Reconnect all the power cords—if you keep a Sonos product connected to your router, start with that one.
   The speaker status light turns solid white on each product when the restart is complete.
   If you don't have a Sonos product connected to your router, you'll need to change your network password in the Sonos app.

Change your network password

If you change your network password (and you don't have a Sonos product connected to your router), you'll need to update the password in the Sonos app.

1. Connect a Sonos speaker to your router with an Ethernet cable.

2. Choose an option:
   - On a mobile device, go to ••• > **Settings** > **Advanced Settings** > **Wireless Setup**.
   - On a PC, go to **Manage** > **Settings** > **Advanced**. On the **General** tab, select **Wireless Setup**.
   - On a Mac, go to **Sonos** > **Preferences** > **Advanced**. On the **General** tab, select **Wireless Setup**.
3. Enter the new network password.

Once the password is accepted you can unplug the speaker from the router and move it back to its original location.

Important safety information

Warning: Do not open Sonos products as there is a risk of electric shock. Under no circumstances should Sonos products 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.

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with dry soft cloth. Household cleaners or solvents can damage the finish on your Sonos components.

7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.

8. Protect the power cable from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

9. Only use attachments/accessories specified by the manufacturer.

10. Unplug this apparatus during lightning storms or when unused for long periods of time.

11. Refer all servicing to Sonos qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cable or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

12. The Mains plug should be readily available to disConnect the equipment.

13. Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

14. Do not expose apparatus to dripping or splashing and do not place objects filled with liquids, such as vases, on the apparatus.

Caution: To avoid damage to speakers, turn off the external amplifier before unplugging your Sonos Connect.

Specifications

Feature	Description
Audio	
Sound Quality	THD+N<0.009%, 20Hz-20kHz
Line In	Analog (RCA), auto-detecting
Line Out	Analog (RCA), digital (optical and coaxial)
Music Access	
Audio Formats Supported	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 44.1kHz sample rates. Additional support for 48kHz, 32kHz, 24kHz, 22kHz, 16kHz, 11kHz, and 8kHz sample rates. MP3 supports all rates except 11kHz and 8kHz. **Note**: Apple "FairPlay", WMA DRM and WMA Lossless formats not currently supported. Previously purchased Apple "FairPlay" DRM-protected songs may be upgraded.
Music Services Supported	Sonos works seamlessly with most music services, including Apple Music™, Deezer, Google Play Music, Pandora, Spotify and Radio by TuneIn, 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***.
Internet Radio Supported	Streaming MP3, HLS/AAC, WMA
Album Art Supported	JPEG, PNG, BMP, GIF
Playlists Supported	Napster, iTunes, WinAmp, and Windows Media Player (.m3u, .pls, .wpl)
Networking	
Wireless Connectivity	Connects to your home Wi-Fi network with any 802.11 b/g/n router. 802.11n only network configurations are not supported—you can either change the router settings to 802.11 b/g/n or Connect a Sonos product to your router.
SonosNet™ Extender	Functions to extend and enhance the power of SonosNet, a secure AES encrypted, peer-to-peer wireless mesh network dedicated exclusively for Sonos to reduce Wi-Fi interference.
Network Bridging	2-port switch allows a Connection to your network or to other Sonos speakers

Feature	Description
Internet Connectivity	Internet Connection required for access to Internet radio stations, online music services and software updates. (DSL, cable modem or LAN-based high-speed Internet Connection required.) Internet functionality may require payment of separate fee to a service provider; local and/or long distance telephone charges may apply.
General	
Power Supply	100 - 240 VAC, 50/60 Hz, auto-switchable
Front Panel Buttons	Volume and Play/Pause
Front Panel LED Indicators	Audio and player status indicators
Dimensions (H x W x D)	2.91 x 5.35 x 5.51 in (74 x 136 x 140 mm)
Weight	1.5 lbs. (.69 kg)
Operating Temperature	32º to 104º F (0º to 40º C)
Storage Temperature	4º to 158º F (-20º to 70º C)
Product Finish	Light gray/high quality polycarbonate material

Product guide feedback?

We'd love to hear from you! We'll read your feedback carefully and use it to help us improve our product guides. Write to us at: **docfeedback@sonos.com**

If you're having a problem with your Sonos system, please contact Customer Care so they can help. Email them at **http://www.sonos.com/emailsupport**.

Need more help?

- Tap ••• > **Help & Tips** to get some simple tips for getting the most out of your speakers.
- Visit our Frequently Asked Questions (FAQ) pages at **www.sonos.com/support.**
- Ask us a question at **http://www.sonos.com/emailsupport**.