



## Sonos ZP120 Wireless Hi-Fi Connect AMP Setup Guide

[Home](#) » [Support](#) » [Sonos ZP120 Wireless Hi-Fi Connect AMP Setup Guide](#) 

### Contents

- [1 Sonos ZP120 Wireless Hi-Fi Connect AMP](#)
- [2 Where to Begin](#)
- [3 Your Computer Network](#)
- [4 Setting Up New Sonos System](#)
- [5 Install the software](#)
- [6 ZonePlayer 120 Front](#)
- [7 ZonePlayer 120 Rear Panel](#)
- [8 Troubleshooting](#)
- [9 Regulation Information](#)
- [10 FAQs](#)

# SONOS

**Sonos ZP120 Wireless Hi-Fi Connect AMP**



## Where to Begin

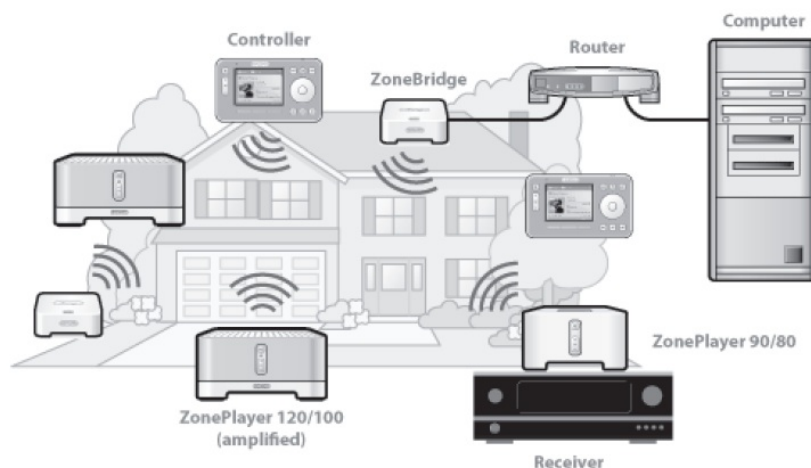
### New to Sonos?

It takes just a few steps to get your Sonos Multi-Room Music System up and running (the steps below are fully explained beginning on page 4) —

- Connect a ZonePlayer or ZoneBridge (purchased separately) to your broadband router using an Ethernet cable (supplied). If you purchased a Sonos ZoneBridge, please refer to the ZoneBridge Setup Guide packaged with your ZoneBridge for detailed instructions.
- Place the ZonePlayer(s) in the rooms of your choice.
- Install the software and follow the prompts to add the ZonePlayer(s) and set up access to your music files.
- Add the Controller to your music system.
- Unpack your Sonos components, and then follow the setup instructions in sequential order to ensure that you set up your Sonos Multi-Room Music System correctly.
- See “Network requirements” on page 3 to make sure your home network is ready for Sonos, and then turn to page 4 for installation instructions.
- Once you’ve set up your music system, it’s easy to add additional Sonos components any time.

### Adding to an existing Sonos system?

If you are adding this ZonePlayer to an existing Sonos system, you can turn directly to page 9.



### About the ZonePlayer 120

- The ZonePlayer 120 has a high-performance, built-in amplifier that can power large or small speakers, allowing you to enjoy superior audio quality in every room.
- The ZonePlayer 120 has a multi-port Ethernet switch to enable multiple direct connections to routers, computers, or other ZonePlayers.
- The ZonePlayer 120 has analog audio inputs with digital encoding so that music from an external audio source (such as a CD player or portable MP3 player) can be connected to one ZonePlayer, and played by all the other ZonePlayers in the system.

### Your Computer Network

To play the digital music files stored on your computer, your computer network must meet the following

requirements:

## Network requirements

- DSL/cable modem, or LAN-based, high-speed Internet connection.
- If you currently have a cable or DSL modem connected directly to your computer, you should install a router between your modem and your computer to enhance your computer's security, and to share the Internet connection with the Sonos Multi-Room Music System and other devices. If you do not have a router, you should purchase and install one before proceeding.

## Compatible operating systems

- Windows Vista™
- Windows® XP, including Windows® XP Media Center
- Macintosh® OS X

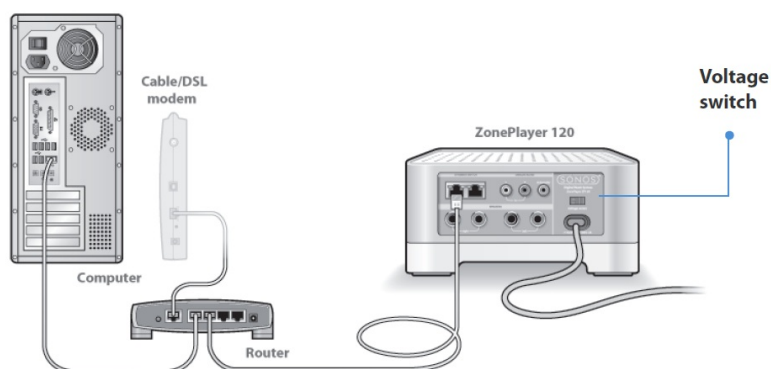
Please visit our Web site at <http://faq.sonos.com/specs> for the latest system requirements.

## Setting Up New Sonos System

### Connect to your broadband router

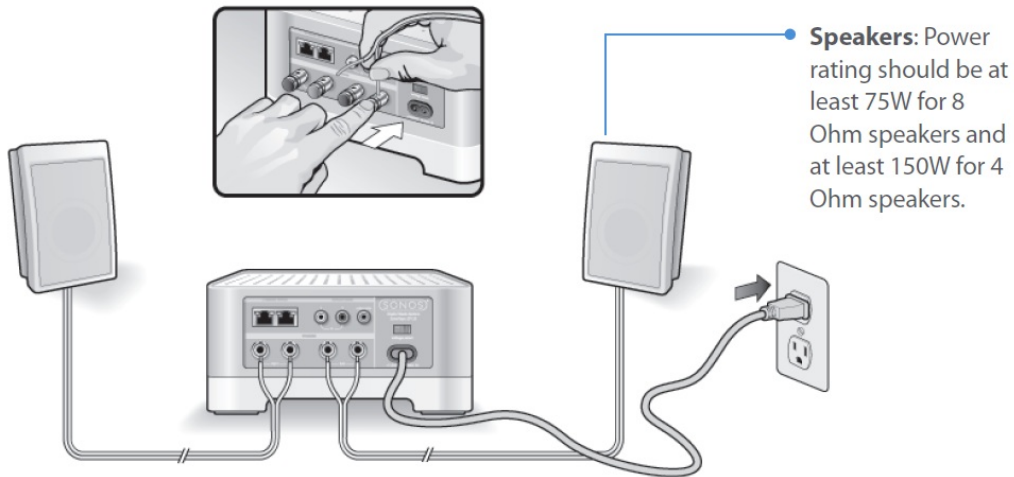
Connect an Ethernet cable (supplied) from any of the Ethernet switch connectors on the back of your ZonePlayer (or ZoneBridge if purchased separately) to an open port on your router.

- Do not connect the ZonePlayer directly to your cable or DSL modem unless your modem has a built-in router.
- If you don't have a router, go to <http://faq.sonos.com/norouter> for instructions.

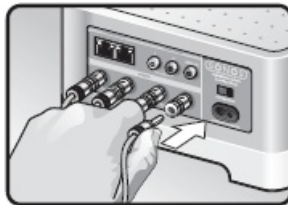


### Place ZonePlayer in the room of your choice

- If you are using speaker wire, use your finger to firmly push the spring-loaded speaker posts inward to reveal the connection hole. Insert the stripped end of the speaker wire into the hole, then release. Repeat for the other speaker connections.



- If your speakers have banana connectors, you can insert the plugs directly into the banana jacks on the back of the ZonePlayer (available in North America only). Repeat for the other speaker connections.



## Install the software

Insert the Sonos System Setup CD-ROM, and follow the prompts to connect your ZonePlayer(s) and set up access to your music files. (If you purchased multiple Sonos components, you may have more than one System Setup CD-ROM—use the one that accompanied your ZonePlayer and you can put the others away.)

- If you don't use Windows® or Macintosh OS X® operating systems, you can put the Sonos System Setup CD away in a safe place and use the Sonos Controller to set up your music system. Simply plug in the power adapter (see page 7) and follow the Controller's on-screen prompts. For additional information, please go to <http://faq.sonos.com/nodcr>.
- If you have music stored on a computer or Network-Attached Storage (NAS) device, the Sonos Multi-Room Music System will recognize most standard shared folders. For additional information on shared folders, please visit our Web site at <http://faq.sonos.com/sharing>

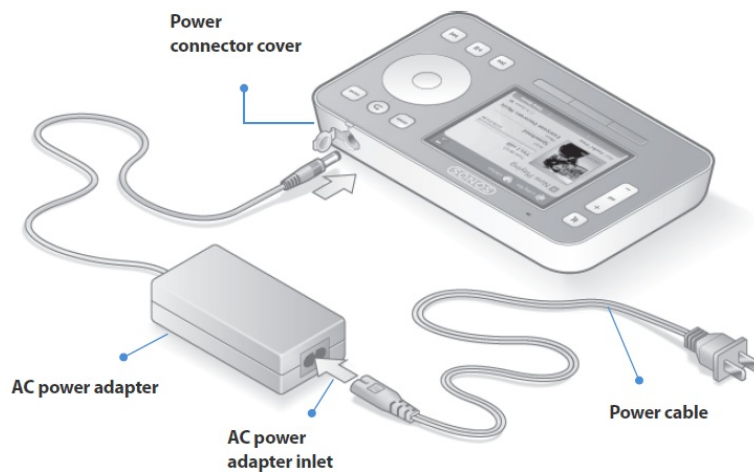
## For use with:

- Windows Vista
- Windows XP, including Windows XP Media Center
- Mac OS X



## Add the Sonos Controller

- After at least one ZonePlayer has been set up, you can pick up your Controller and follow the prompts on the Controller's screen to add it to your music system.
- You should charge your Sonos Controller when you remove it from the packaging. The Controller battery will be fully charged in about two (2) hours. You can use your Controller while it is charging.
- The power connector cover is part of your Controller's splash-resistant design, so keep the cover down when the Controller is not charging.



## Music menu

Press the Music button on your Sonos Controller to display the Music menu.

To read more about the features and functions of your new Sonos system, please download the user guide from our Web site at: [www.sonos.com/support/documents](http://www.sonos.com/support/documents) or start your Desktop Controller software and select Sonos System Help from the Help menu.



To activate a free music service trial, select Music Service Trials. (Your music system must be registered to activate a trial, so if you have not yet registered, you can do it now by selecting System Settings→Advanced Settings→System Registration.)

- To select an Internet radio station, select Internet Radio.
- To add music folders located on a computer in your home network, open your Desktop Controller software and select Set Up Music Library→Add a Share from the Music menu.
- You can use the Sonos Controller to add music folders by selecting **System Settings→Music Library Management →Music Library Setup→Add New**, but it's easier to use the Desktop Controller for this one-time task.

### **Adding To Existing Sonos System**

Once you've set up your Sonos Multi-Room Music System, you can easily add more Sonos components any time (up to 32 zones). If your house has structured (built-in) wiring, you can make a wired connection to the additional ZonePlayers or ZoneBridges. If you don't have structured wiring, our built-in wireless technology is ideal for you

### **Add a ZonePlayer or ZoneBridge**

#### **Choose one of the following options:**

- If you are adding an amplified ZonePlayer, attach desired speakers.
- If you are adding a ZonePlayer 90 or 80, connect it to an external amplified device.
- If you are adding a ZoneBridge, attach the power adapter. (For help with this step, refer to the Setup Guide packaged with your Sonos component, or start your Desktop Controller software and select Sonos System Help from the Help menu.)
- If you are making a wired connection, connect an Ethernet cable from your router, another ZonePlayer or ZoneBridge, 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 component.
- If you are making a wireless connection, skip this step.
- Attach the power cord and plug in the ZonePlayer or ZoneBridge.

#### **Choose one of the following options:**

- Using the Sonos Controller, select System Settings→Add a ZonePlayer or
- ZoneBridge from the Music menu and follow the prompts to add this component to your Sonos Multi-Room

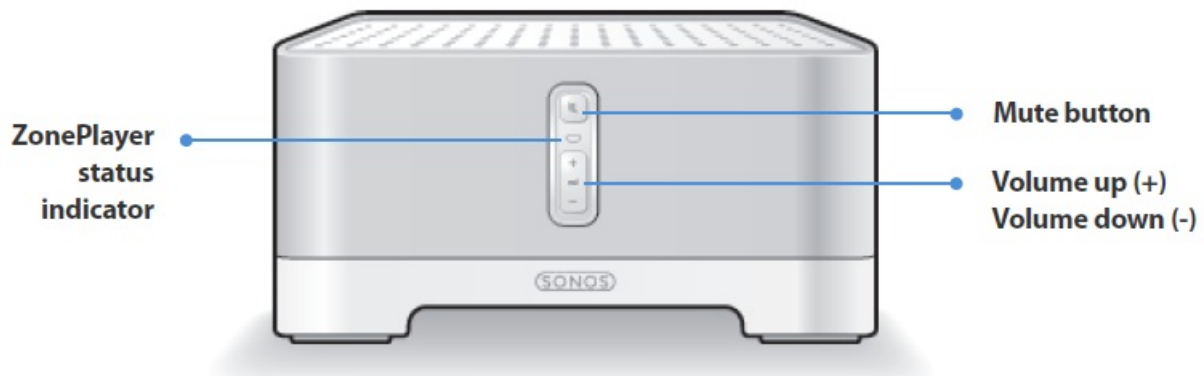
Music System.

- Using the Desktop Controller software, select Zones→Add a ZonePlayer or ZoneBridge and follow the prompts to add this component to your Sonos Digital Music System.

### Add a Controller

You should charge your new Sonos Controller when you remove it from the packaging. Plug it into the power adapter, and then follow the Controller's on-screen prompts to add it to your music system (you can use the Controller while it is charging.)

### ZonePlayer 120 Front



### On/Off

- Using the Sonos Controller, select
- Pause All from the Zone menu.
- Using the Desktop Controller software, select Pause All from the Play menu.
- Your Sonos Multi-Room Music System is designed to be always on; the system uses minimal electricity whenever it is not playing music. To stop streaming music in all zones, you can use the Pause All feature.

### ZonePlayer status indicator

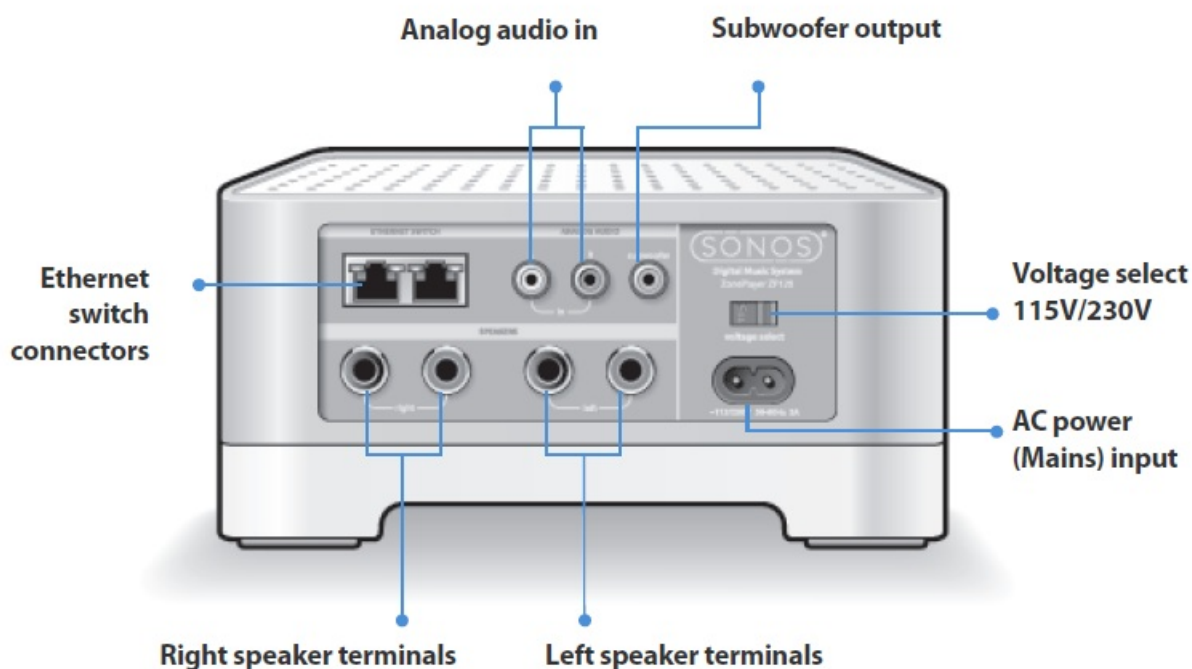
- Flashes white when powering up or connecting to your Sonos Multi-Room Music System.
- Solid white when powered up and connected to your Sonos Multi-Room Music System (normal operation).
- Flashes amber when a fault condition is detected.
- Indicates the current status of the ZonePlayer.
- When the ZonePlayer is in normal operation, you can turn the white status indicator light on and off.
- For detailed instructions, you can open the Desktop Controller software and select Sonos System Help from the Help menu.
- For a complete list of status indications, please go to <http://faq.sonos.com/led>.

### Mute button

- Lights solid green when sound is muted.
- Flashes green rapidly when household mute or unmute is about to take place.
- Flashes green slowly when ZonePlayer is connecting to your music system.
- To mute/unmute this ZonePlayer: Press the Mute button to mute or unmute this ZonePlayer.

- To mute/unmute all ZonePlayers: Press and hold the
- Mute button for 3 seconds to mute all ZonePlayers in your household. Press and hold for 3 seconds to unmute all ZonePlayers.

## ZonePlayer 120 Rear Panel



### Ethernet switch connectors (2) LED indicators:

Use Category 5 Ethernet cable to connect to a router, computer, or additional network device such as a network-attached storage (NAS) device.

- Green (link connection)
- Flashing Yellow (network activity)

**Right speaker terminals:** Use high-quality speaker wire to connect the right speaker to the ZonePlayer.

**Left speaker terminals:** Use high-quality speaker wire to connect the left speaker to the ZonePlayer.

**Voltage select:** 115V/230V Select the appropriate voltage setting for your country.

**AC power (mains) input:** Use the supplied power cord to connect to power outlet.

**Analog audio:** in You may use a standard RCA audio cable to connect the ZonePlayer's analog audio inputs to the audio outputs from a separate audio component, such as a CD player or a portable music player.

**Subwoofer output:** You may connect a powered subwoofer to this output using a standard RCA cable. The system will detect when a cable is connected to the subwoofer output and adjust the crossover frequency automatically

### Using Line-In

You can connect an external source such as a CD player, portable music player, or television to your Sonos Multi-Room Music System. The device will be automatically detected as soon as you plug it in.

- Use a standard RCA cable to plug an external source like a CD player into the analog Audio In connections on the back of your ZonePlayer 120.
- If you are connecting a portable player to the ZonePlayer 120, you will need a 1/8 inch mini-stereo to RCA audio cable instead. Plug the mini-stereo end into the portable device and the RCA end into the Audio In



connection on the ZonePlayer.

- Choose one of the following options:
- Using the Sonos Controller, select Line-In Sources from the Music menu. Select Edit Name to select a source name for this device. Once setup is complete, simply select
- Line-In Sources from the Music menu, and touch Play any time you want to play music from this device.
- Using the Desktop Controller software, select the Line-In tab from the Music Library.
- Click Set Up and then select the Line-In tab to choose a source name and line-in level for this device. Once setup is complete, simply select Line-In Sources from the Music Library, and press Play Now any time you want to play music from this device

### **Line-in encoding settings**

When you have line-in music sources attached to a ZonePlayer, line-in encoding determines how the Sonos Multi-Room Music System will encode the data coming in from these sources. For Multi-Room audio, we recommend using the Compressed setting. For the highest quality sound, you can select Uncompressed encoding, but this selection requires more network bandwidth than compressed audio. For TV or DVD audio, we recommend using the Uncompressed setting.

### **Troubleshooting**

If a problem occurs, you can try the troubleshooting suggestions listed below. If one of these doesn't remedy the problem, or you are not sure how to proceed, please contact the Sonos Customer Service Center and we'll be happy to help.

#### **Web site**

Visit our Web site at [www.sonos.com/support](http://www.sonos.com/support). There you can visit our Forums, browse our Frequently Asked Questions (FAQ) pages, or request assistance.

- Telephone US/Canada: +1.800.680.2345 toll-free
- United Kingdom: 0808 2346596

If your country is not listed here, please visit our Web site at [www.sonos.com/support](http://www.sonos.com/support) and click Phone Support to find the correct telephone number for your country.

### **ZonePlayer not detected during setup**

A network or a firewall issue may be preventing the ZonePlayer from joining your Sonos system. If this is a wireless ZonePlayer, try moving the ZonePlayers closer together, or wire the ZonePlayer temporarily to see if the problem is related to wireless interference. If you encounter this message when installing the first wired Sonos component, you can try the steps below to resolve this issue. If you are still experiencing problems, please contact the Sonos Customer Service Center.

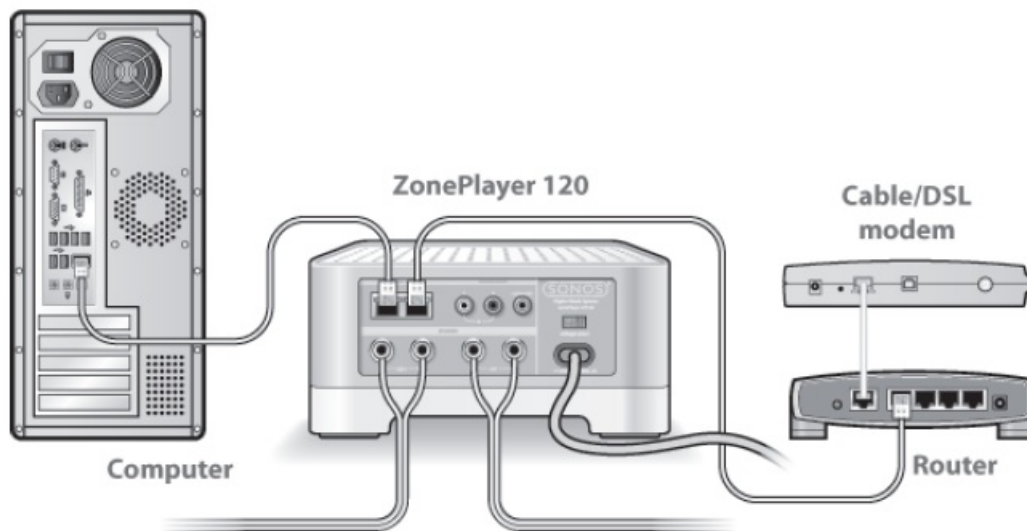
#### **Check the firewall**

Firewall software installed on the computer may be blocking the ports that Sonos uses to operate. First, disable all your firewalls and try to connect again. If this resolves the problem, then you should configure your firewall to work with the Sonos Desktop Controller. Please visit our

Web site at <http://faq.sonos.com/firewall> for additional information. If this does not resolve the problem, you can try step 2 below

#### **Check the router**

You can bypass your router's switch to determine whether there are any router configuration issues by connecting Sonos as follows (note that the ZonePlayer and the computer still have Internet access in this configuration)



- Be sure that your cable/DSL modem is connected to the router's WAN (Internet) port.
- Temporarily remove any other components that are wired to your network.
- Connect an Ethernet cable from the computer directly to the back of the ZonePlayer, and then connect another Ethernet cable from the ZonePlayer directly to one of the LAN ports on your router.
- When you make a change to your network configuration, you may need to power cycle the ZonePlayer by unplugging the power cord, and then plugging it back in.
- If you are not using a router, visit our Web site at <http://faq.sonos.com/norouter> for more information

### Check the wiring

Check the link/activity lights on both the router and the ZonePlayer. They should be green, and there should be blinking activity lights.

- If the green link lights are not lit, try connecting to a different port.
- If the link lights still do not light, try connecting a different Ethernet cable.

### When adding the handheld Sonos Controller, it fails to detect the ZonePlayer(s)

Wireless interference or a network problem may be preventing the Controller from joining your Sonos Multi-Room Music System.

### Verify that this is not a DHCP or network problem.

- Disconnect the Ethernet cable from the back of the ZonePlayer so that it is not connected to your network.
- Unplug the ZonePlayer's power cord and then plug it back in.
- When the status indicator light on the front of the ZonePlayer stops blinking white, try adding your Controller again.

If it works, your router's DHCP server may have run out of available IP addresses to assign to the Controller. In most cases you can log into your router by typing <http://192.168.1.1> into your browser's address line (the IP address of your router may be different). Check the DHCP settings and increase the number of IP addresses available in the DHCP scope. If your Controller still does not recognize the ZonePlayer after completing this step, you can try step 2 below.

### Turn off any 2.4GHz cordless phones.

Some 2.4GHz cordless telephones can cause wireless interference. If turning off your 2.4GHz cordless phone

resolves the problem, you should consider switching to a 5.8GHz or 900Mhz phone (or change the wireless channel your Sonos system is operating on – see step 4 below.)

### **Put 108 Mbps wireless routers into 54 Mbps mode.**

Sonos cannot function properly when a router is operating in turbo mode. In order to double the speed from 54 Mbps to 108 Mbps, the router goes into a wide bandwidth mode which utilizes most of the 2.4 GHz spectrum that the FCC has set aside for 802.11b/g devices. This means that interference (RF noise) will occur with any other 2.4 GHz device that is not operating on the same channel as the 108 Mbps device (usually channel 6). While it is possible to put all of your wireless devices on channel 6, it is unwise. The devices will have to compete for available bandwidth, and your entire wireless network will become sluggish and bogged down.

### **Change the wireless channel your Sonos system is operating on.**

- Using the Desktop Controller for Windows: From the File menu, select Preferences. Click the Advanced tab, and select another wireless channel from the Wireless Channel list.
- Using the Desktop Controller for Macintosh: From the Sonos menu, select Preferences. Click the Advanced tab, and select another wireless channel from the Wireless Channel list.

### **Important Safety Information**

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry soft cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- Protect the power cable from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to 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.
- The Mains plug should be readily available to disconnect the equipment

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## Regulation Information

### Europe

Sonos declares that this product complies with the requirements and other relevant provisions of the R&TTE Directive (1999/5/EC). A copy of the full Declaration of Conformance may be obtained at <http://eu.sonos.com>.

**Attention:** In France, operation is limited to indoor use within the band 2.454-2.4835 GHz.

### USA

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced audio technician for help.

Modifications not expressly approved by the manufacturer may void the user's authority to operate the equipment under FCC rules.

### Canada

This Class B digital apparatus complies with Canadian ICES-003 and RSS-210. Operation is subject to the following two conditions:

- this device may not cause interference, and
- this device must accept any interference, including interference that may cause undesired operation of the device.

### Industry Canada

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's Web site [www.hc-sc.gc.ca/rpb](http://www.hc-sc.gc.ca/rpb).

### RF Exposure Requirements

To comply with FCC and EU exposure essential requirements, a minimum separation distance of 20cm (8 inches) is required between the equipment and the body of the user or nearby persons. Recycling Information This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead please deliver it to the applicable collection point for the recycling of electrical and electronic equipment. By recycling this product correctly, you will help conserve natural resources and prevent potential negative

environmental consequences. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

## FAQs

How do I connect the Sonos ZP120 to my audio system?

To connect the ZP120 to your audio system, use the provided audio cable to connect the ZP120's line-in port to your audio source's output.

Can I use the ZP120 wirelessly?

No, the ZP120 does not support wireless connectivity. It needs a wired connection to your network.

What is the purpose of the ZP120?

The ZP120 is a Connect AMP that allows you to integrate your existing audio system with the Sonos ecosystem for streaming music.

How do I set up the ZP120 with my Sonos system?

To set up the ZP120, open the Sonos app, go to Settings, select 'Add a player or sub,' and follow the on-screen instructions.

What audio formats does the ZP120 support?

The ZP120 supports a wide range of audio formats, including MP3, FLAC, WAV, and more.

Can I use the ZP120 with third-party speakers?

Yes, you can connect the ZP120 to your own speakers, as long as they are compatible with the Connect AMP.

How do I control the ZP120 and my Sonos system?

You can control the ZP120 and your Sonos system through the Sonos app on your smartphone, tablet, or computer.

What is the range of the ZP120's wireless signal?

The ZP120 does not have a wireless signal; it requires a wired Ethernet connection for network access.

Can I connect multiple ZP120 units to my Sonos system?

Yes, you can connect multiple ZP120 units to create a multi-room audio system.

Does the ZP120 support streaming services?

Yes, you can stream music from popular services like Spotify, Apple Music, and more through the Sonos app.

What is the warranty for the ZP120?

The warranty coverage for the ZP120 may vary, so check the warranty details provided by Sonos or the retailer.

Is the ZP120 compatible with voice assistants like Alexa or Google Assistant?

The ZP120 is not natively compatible with voice assistants, but you can use a separate voice-enabled Sonos device for voice control.

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