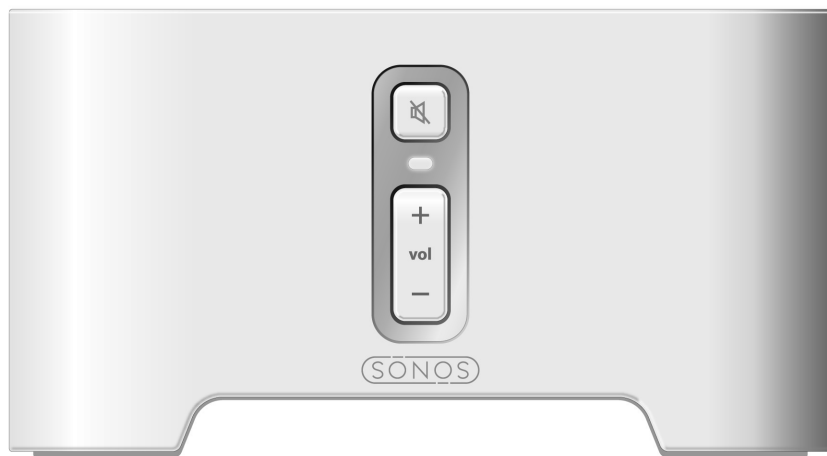




Sonos™ Digital Music System

ZonePlayer ZP80

Setup Guide • Guía de configuración • Installatiehandleiding
Installationshandbuch • Guide d'Installation • Installationshandbok

Sonos™ ZonePlayer ZP80 Setup Guide. For use with the Sonos Digital Music System.

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Sonos uses MSNTP software, which was developed by N.M. Maclaren at the University of Cambridge.

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Sonos™ ZonePlayer ZP80

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Regulation Information

Europe

This product complies with the requirements of the R&TTE Directive (1999/5/ED). 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.

(**Attention.** En France, l'utilisation en intérieur est limitée à la bande de fréquences 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.

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.

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.

Setup Guide

About the ZonePlayer ZP80

The ZonePlayer ZP80 is designed to be used with an external amplifier. It contains both analog and digital outputs so that you can easily connect it to your existing audio equipment.

- Use a ZonePlayer ZP80 to connect your Sonos Digital Music System 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 ZonePlayer ZP80 to create a music zone in your home office where you already have a computer or a pair of powered speakers.
- Use a ZonePlayer ZP80 if you have a distributed audio system that is driven from one central location with speaker wires home-run to this central location.
- Use a ZonePlayer ZP80 to extend the wireless range of your Sonos Digital Music System if you want to set up a music zone in an area that lies beyond your current range. All ZonePlayers, including the ZP80, can be used as wireless extenders by using the *Hidden Zone* feature. Hidden zones do not output any audio signals, and are not displayed on the **Zones** menu with the ZonePlayers operating in *Normal* mode. For more information on this feature, you can go to the online help system included with your Desktop Controller software.

Your Computer Network

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

Network requirements

- You must have an Ethernet network interface connection in your computer. If you do not have one, you will need to buy and install a Network Interface Card (NIC) before proceeding.
- 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, share the internet connection with SONOS and other devices, and simplify the installation and maintenance of your SONOS system. If you do not have a router, you should purchase and install one before proceeding.



Note: Your network must have a high-speed Internet connection, as the Sonos Digital Music System is designed to provide you with online software updates. Your Sonos system must be registered to receive these updates, so be sure to register during the setup process. We do not share your e-mail address with other companies.

Compatible operating systems

- Windows® XP, including Windows® XP Media Center
- Windows® 2000
- Macintosh® OS X, version 10.3 or later

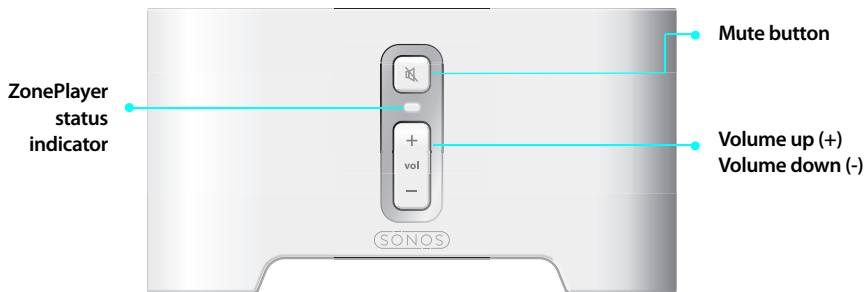
For Additional Information

- For the latest product documentation, as well as the Sonos License Agreement and Limited Warranty, go to **www.sonos.com/support** and click **Documents**.
- To access the online help system included with your software, select **Sonos System Help** from the **Help** menu.
- For the latest Sonos Digital Music System product news, go to **<http://www.sonos.com>**.

Technical Support

- **Web site**
For help with troubleshooting and support issues, visit our Web site at **www.sonos.com/support**. There you can visit our Forums, browse our Frequently Asked Questions (FAQ) pages, or request assistance.
- **Telephone**
Visit our Web site at **www.sonos.com/support** and click **Phone Support** to find the correct telephone number for your country.

ZonePlayer ZP80 Front



ZonePlayer status indicator

- Indicator *flashes white* when powering up or connecting to your Sonos Digital Music System.
- Indicator is *solid white* when powered up and connected to your Sonos Digital Music System

For additional status indications, please go to <http://faq.sonos.com/led>.

Mute button

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.

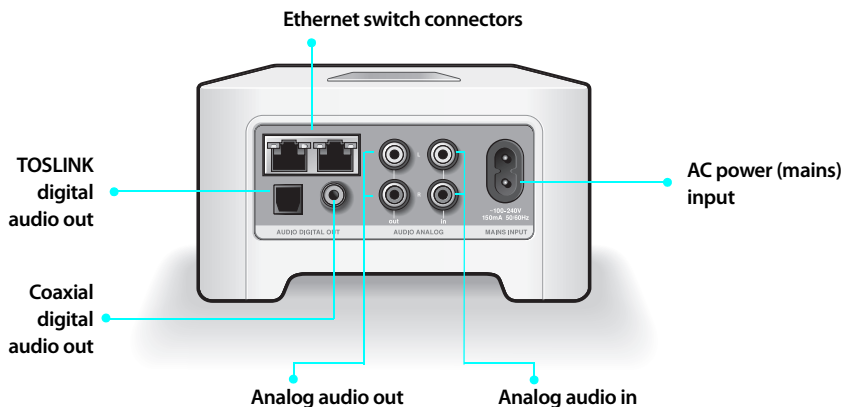
Mute button indicator:

- *Lights solid green* when sound is muted (and ZonePlayer status indicator is solid white).
- *Flashes green rapidly* when household mute is about to take place.
- *Flashes green slowly* when ZonePlayer is connecting to your music system.

Volume up (+) Volume down (-)

Press these buttons to adjust the volume up and down.

Rear Panel Connectors



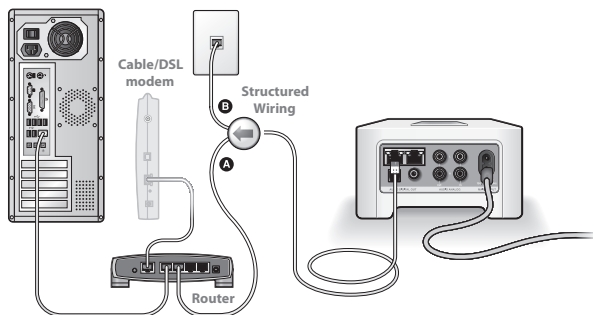
Ethernet switch connectors (2)	Use Category 5 Ethernet cable to connect to a router, computer, or additional network device such as a network-attached storage (NAS) device.
AC power (mains) input (~100/240 V, 50-60 Hz)	Use the supplied power cord to connect to power outlet.
Analog audio in	Use a standard 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.
Analog audio out (fixed/variable)	Use a standard RCA audio cable to connect the ZonePlayer'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 ZonePlayer'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 ZonePlayer's coaxial digital audio output to the audio inputs on a separate audio component, such as an amplifier or your home theater receiver.

Setting Up a ZonePlayer ZP80



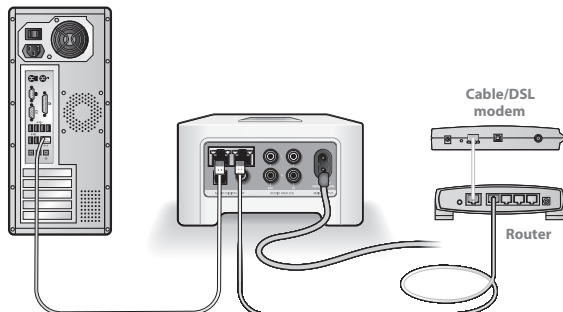
Note: The first ZonePlayer you install must connect to your home network using a standard Ethernet cable (supplied). If you should experience any difficulty during the setup process, please go to www.sonos.com/support for additional help.

1. Attach the power cord and plug in the ZonePlayer ZP80.
2. Connect a standard Ethernet cable (supplied) from either of the two (2) Ethernet switch connectors on the back of your ZonePlayer ZP80 to an open port on your router (see **A** in the diagram below). 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.

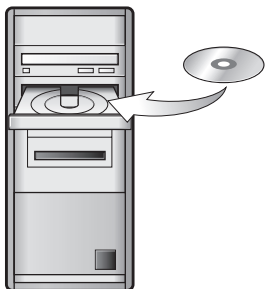


If you have structured (built-in) wiring, you can connect the Ethernet cable into a live wall plate (see **B** in the diagram).

- If you don't have an open port on your router, you can disconnect your computer from the router and connect it to the ZonePlayer ZP80 instead. Then connect the ZonePlayer into the router port the computer was previously plugged into.



3. **If you are setting up a new Sonos system**, insert the Sonos System Setup CD-ROM (included with your bundle) and follow the prompts to connect your ZonePlayer ZP80 and set up access to your music files.
- Then plug your Sonos Controller into the power adapter, and follow the prompts on the Controller's screen to add it to your music system.



For use with:

- Windows XP, including Windows XP Media Center
- Windows 2000
- Mac OS X, version 10.3 or higher

If your operating system is not one of these, go to <http://faq.sonos.com/nodcr> for setup assistance.



Note: Firewall software such as Norton Internet Security™, McAfee™ Personal Firewall, Windows® Service Pack 2, or Mac OS X Firewall, can block the operation of your Sonos Desktop Controller software. During installation, you may see prompts from your firewall software indicating that the Sonos application is attempting to perform certain operations. **You should always allow full access to the Sonos application.** You may also need to change the settings of your firewall software to ensure that Windows file sharing is not blocked. Please go to our Web site at <http://faq.sonos.com/firewall> for detailed instructions.

4. **If you are adding this ZonePlayer to an existing Sonos system**, choose one of the following options:
- Use the *Sonos Controller* to add the ZonePlayer ZP80 to your music system by selecting **System Settings**→**Add a ZonePlayer** from the **Music** menu. Or,
 - Use the *Desktop Controller* software to add the ZonePlayer ZP80 to your music system by selecting **Zones**→**Set Up Zones**→**Add**.

*During the setup process, you will be asked to press and release the **Mute** and **Volume Up** buttons simultaneously on the ZonePlayer you are adding to your music system.*



● **Mute button**

● **Volume Up button**

Now that your Sonos system is set up, you can connect the ZonePlayer ZP80 to an external amplifier such as your home theater or your computer.

Connecting to a Home Theater

For additional information on connecting audio devices, you can go to our Web site at <http://faq.sonos.com/cables>.

1. *If you have digital inputs on your home theater receiver, you can use either a TOSLINK optical audio cable or a digital coaxial cable to connect the ZonePlayer ZP80's **digital** output to the digital input on your receiver.*

*If you have analog inputs on your home theater receiver, use a standard RCA audio cable to connect the ZonePlayer ZP80's **analog** audio output to the audio inputs on your receiver.*

2. Select the proper input channel on your home theater system.

Controlling the volume from your home theater

1. By factory default, the line-out level for each ZonePlayer ZP80 is set to *Variable*. To control the volume exclusively from your home theater, you can change the line-out level on this ZonePlayer to **Fixed** by selecting one of the following options:
 - *Using the Sonos Controller, from the **Music** menu, select **System Settings**. Select **Zone-Player Settings**, and use the scroll wheel to highlight the ZonePlayer attached to your home theater. Select **Line-Out Level**, and choose **Fixed**.*
 - *Using the Desktop Controller software, select **Set Up Zones** from the **Zones** menu. Select the ZonePlayer attached to your home theater, and then click **Settings**. Click the **Line-Out** tab, and choose **Fixed**.*



Note: When you change the line-out level to **Fixed** on your ZonePlayer ZP80, you will not be able to adjust the volume or the equalization settings using your Sonos Controller.

Controlling the volume from your Sonos system

1. Adjust your home theater system's volume to typical listening volume.
2. By factory default, the line-out level for a ZonePlayer ZP80 is set to *Variable*. If the line-out level on this ZonePlayer is not currently set to **Variable**, you will need to change it:
 - *Using the Sonos Controller, from the **Music** menu, select **System Settings**. Select **Zone-Player Settings**, and use the scroll wheel to highlight the ZonePlayer attached to your home theater. Select **Line-Out Level**, and choose **Variable**.*
 - *Using the Desktop Controller software, select **Set Up Zones** from the **Zones** menu. Select the ZonePlayer attached to your home theater, and then click **Settings**. Click the **Line-Out** tab, and choose **Variable**.*

3. Use the Sonos Controller 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 so that the volume range for the Controller falls within your typical listening range.

Connecting to a Computer

1. *If you are connecting Line-out 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 ZonePlayer'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 ZonePlayer. 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.

Adding More Sonos Components



Note: Thick walls, 2.4 GHz cordless telephones, and the presence of other wireless devices can interfere with or block the wireless network signals from your Sonos Digital Music System. If you are experiencing difficulty, it is advisable to relocate the ZonePlayer, change the wireless channel your music system is operating on, or make a wired connection (Ethernet cable) either from your router to the ZonePlayer, or from one ZonePlayer to another. For more information on wireless connections, go to www.sonos.com/support.

Add a ZonePlayer

You can connect the ZonePlayer ZP80 using a wired or a wireless connection.

1. Connect to an external amplifier and plug in your ZonePlayer.
2. Choose one of the following options:
 - Using the *Sonos Controller*, select **System Settings**→**Add a ZonePlayer** from the **Music** menu.
 - Using the *Desktop Controller* software, select **Zones**→**Set Up Zones**→**Add**.

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.)

Important Safety 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.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
9. Protect the power cable from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Unplug this apparatus during lightning storms or when unused for long periods of time.
12. 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.
13. The Mains plug should be readily available to disconnect the equipment.
-  **14. Warning:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
15. Do not expose apparatus to dripping or splashing and do not place objects filled with liquids, such as vases, on the apparatus.



Note: Household cleaners or solvents can damage the finish on your ZonePlayers or Controllers. Clean only with a dry soft cloth.