

I'm not a bot



apple airport express 2nd generation airplay 2 دليل مستخدم

Regulatory Compliance Information 36 FCC Compliance Statement This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. See instructions if interference to radio or television reception is suspected. Radio and Television Interference This computer equipment generates, uses, and can radiate radio-frequency energy. If it is not installed and used properly—that is, in strict accordance with Apple’s instructions—it may cause interference with radio and television reception. This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in Part 15 of FCC rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. You can determine whether your computer system is causing interference by turning it off. If the interference stops, it was probably caused by the computer or one of the peripheral devices. If you own a computer system, you should use a radio or television reception, try to correct the interference by using one or more of the following measures:

- Turn the television or radio antenna until the interference stops.
- Move the computer to one side or the other of the television or radio.
- Move the computer farther away from the television or radio.
- Plug the computer into an outlet that is on a different circuit from the television or radio. (That is, make certain the computer and the television are on different circuits controlled by different circuit breakers or fuses.)
- If necessary, consult an Apple Authorized Service Provider or Apple.

See the service and support information that came with your Apple product. Or, consult an experienced radio/television technician for additional suggestions. Important: Changes or modifications to this product not authorized by Apple Inc. could void the EMC compliance and negate your authority to operate the product. Accessories I have an iPhone 8 with 14.4.1 which does not see my Airport Express (last model connected to a receiver). My MacBook Pro and Apple TV HD can see it but when chosen, does not play sound through the receiver. All other speakers (HomePod mini) and Apple TVs play fine from all devices. Was working before 14.4. One other note. When selecting Airport Express from MBP, Apple Music stops and when I hit play again, I get a minus sign where the check was. Posted on Aug 8, 2021 10:11 AM Reply Page content loaded Aug 8, 2021 10:28 AM in response to Grimey I don't think the issue is so much iOS related as it is AirPort firmware. Firmware versions 7.8 & 7.8.1, as you probably already know, are required to use AirPlay 2 on the 2nd gen AirPort Express 802.11n models; however, they have been spotty at best. The "solution" was to downgrade back to 7.6.9 or 7.6.8, which either stabilized the streaming. Unfortunately, it also removed AirPlay 2 support. Take a look at the following user tip article to see if it can help: This thread has been closed by the system or the community team. You may vote for any posts you find helpful, or search the Community for additional answers. Airport Express and AirPlay 2 not working Dimensions: 3.85 inches (98 mm) by 3.85 inches (98 mm) by 0.9 inch (23 mm) Weight: 8.5 ounces (240 grams) IEEE 802.11a/b/g/n Simultaneous dual-band 2.4GHz and 5GHz Radio output power: 20.5 dBm maximum (varies by country) Channels 1-11, 36-116, and 132-165 approved for use in the United States and Canada Channels 1-13, 36-64, and 100-140 approved for use in Europe and Japan Channels 1-13, 36-64, and 149-165 approved for use in Australia, Hong Kong, and New Zealand Interoperable with 802.11a, 802.11b, 802.11g, and 802.11n-enabled Mac computers, iOS devices, Apple TV, Windows-based PCs, and other Wi-Fi devices NAT, DHCP, PPPoE, VPN Passthrough (IPSec, PPTP, and L2TP), DNS Proxy, SNMP, IPv6 (6to4 and manual tunnels) Wi-Fi Protected Access™ (WPA/WPA2) WPA/WPA2 Enterprise 2-Wireless security (WEP) configurable for 40-bit and 128-bit encryption MAC address filtering NAT firewall 802.1X, PEAP, LEAP, TTLS, TLS, FAST Time-based access control Simultaneous dual-band 802.11n wireless 10/100BASE-T Ethernet WAN port for connecting a DSL modem, cable modem, or Ethernet network 10/100BASE-T Ethernet LAN port for connecting a computer, Ethernet hub, or networked printer USB 2 port for connecting a USB printer 3.5-mm audio mini-jack for analog or optical digital sound 3 100-240V AC, 50-60Hz, input current: 0.2 amp Operating temperature: 32° to 95° F (0° to 35° C) Storage temperature: -13° to 140° F (-25° to 60° C) Relative humidity (operating): 20% to 90%, noncondensing Operating altitude: tested up to 10,000 feet (3,000 m) Maximum storage altitude: 15,000 feet FCC 15 Class B, Canada RSS-210, EN 300-328, EN 301-489, EN 301 893, ARIB STD-T66, RCR STD-T33, AS/NZS 4268: 2003, UL 60950, CSA-C22.2 No. 60950 Setup and Administration Wireless Device Access Any Wi-Fi-enabled device that uses the 802.11a/b/g/n specification Shared Printing with a USB Printer USB printer Mac with OS X v10.2.7 or later PC with Windows XP (SP3), Windows Vista (SP2), Windows 7 (SP1), or Windows 8 Apple takes a complete product life-cycle approach to determining our environmental impact. Learn more AirPort Express is designed with the following features to reduce its environmental impact: Brominated flame retardant-free PVC-free Meets ENERGY STAR 1.0 requirements for Small network equipment Apple and the Environment Learn more about Apple’s dedication to reducing the environmental impact of our products and process. The Apple Product Environmental Specification details the environmental attributes of our products. Recycling Apple takes a holistic view of materials management and waste minimization. Learn more about how to recycle your Mac. Weight varies by configuration and manufacturing process. Support for WPA requires OS X v10.3 or later. Use of Wi-Fi Protected Access (WPA) reduces the maximum number of network users. When joining an existing wireless network, AirPort Express supports only WPA-Personal. WPA2 requires a Mac computer with an AirPort Extreme Card and OS X v10.3 or later. Requires a compatible stereo system or powered speakers. AirPlay is available on all devices running iOS 4.3 or later. Some features require the latest software. Second-generation Apple TV or later required. PVC-free AC power cord available in all regions except India and South Korea. Wireless Internet access requires a wireless-enabled computer or device, a base station or other access point, and Internet access (fees may apply). AirPort Express Setup Guide Contents 5 7 8 9 9 Getting Started Ports on Your AirPort Express AirPort Express Status Lights Using AirPort Express The AirPort Express Network 11 11 12 13 Setting Up AirPort Express System Requirements Setting up AirPort Express Setting Advanced Options 14 Using AirPort Express to Stream Music 16 16 17 17 Tips and Troubleshooting Best Locations for AirPort Express Avoiding Interference Problems and Solutions 321 21 21 22 22 Learning More, Service, and Support Onscreen Help on Your Computer Online Resources Obtaining Warranty Service Finding the Serial Number of Your AirPort Express 23 24 Specifications and Safety AirPort Express Safety Tips 25 Regulatory Compliance Information 4 Getting Started 1 AirPort Express provides simultaneous dual-band wireless 802.11n Wi-Fi networking for all your wireless devices, including Mac and Windows computers, and iOS devices such as iPad, iPhone, iPod touch, and Apple TV. When you set up your AirPort Express Base Station, it creates two high-speed Wi-Fi networks: AA a 2.4 gigahertz (GHz) network for 802.11b, 802.11g, and 802.11n devices, such as iPhone, iPod touch, and older computers AA a 5 GHz network for 802.11n and 802. Status light Reset button Link lights Power Analog/Optical Audio Out Ethernet WAN Power cord (Your power cord may look different. Ports on Your AirPort Express AirPort Express has five ports on the back: < 10/100Base-T Ethernet Wide Area Network (WAN) port For connecting a DSL or cable modem, or for connecting to an existing Ethernet network G 10/100Base-T Ethernet Local Area Network (LAN) port For connecting Ethernet devices such as printers or computers, or for connecting to an existing Ethernet network d USB port For connecting a USB printer - Analog and optical digital audio stereo mini-jack For connecting AirPort Express Before you plug in your AirPort Express, first connect the appropriate cables to the ports you want to use—including: AA An Ethernet cable connecting your DSL or cable modem to the WAN port (if you'll connect to the Internet) AA An audio cable connecting your stereo to the audio out port (if you'll use AirPlay to play music from your iTunes library) AA A USB or Ethernet cable connecting a printer to the USB or Ethernet port (if you'll print to it using AirPort Express) After you connect the cables for all Using AirPort Express With AirPort Express, you can: AA Create a password-protected wireless home network, and then connect to the Internet and share the Internet connection with computers and other wireless devices, such as iPad, iPhone, and Apple TV. AA Create a guest network, with or without password protection, to give wireless Internet access to friends and visitors. Devices that connect to the guest network only have access to the Internet. AA Connect your AirPort Express to your Ethernet network. iPhone or iPod touch 2.4 or 5 GHz to Audio Out port Computer or iPad AirPort Express 2.4 or 5 GHz to Ethernet WAN port Cable/DSL modem to Ethernet LAN port to Internet Powered speakers Network printer See the next chapter, "Setting Up AirPort Express," to find out how to use the AirPort software on your computer or on an iOS device to set up your AirPort Express and your wireless network. Setting Up AirPort Express 2 Use AirPort Utility on your computer or Wi-Fi settings on an iOS device to do one of the following: AA Set up your AirPort Express to create a new network that wireless computers and devices can use to connect to the Internet. AA Set up your AirPort Express to join an existing network. If the network is connected to the Internet, all the computers and wireless devices on the AirPort network can use the Internet connection. AA Windows 7 (SP1) AA AirPort Utility for Windows v5.6.1 or later To set up AirPort Express using an iOS device, you need: AA An iPad, iPhone, or iPod touch with iOS 5 or later You need iTunes v10.4 or later in order to play audio from your computer to a stereo connected to AirPort Express. You can use AirPort Express with any wireless device that's Wi-Fi certified. 3 Follow the onscreen instructions for creating a new network or joining an existing one. Wi-Fi settings can only be used to set up an unconfigured AirPort Express. Setting Advanced Options To set advanced options, use AirPort Utility on your computer or download AirPort Utility from the App Store. You can configure advanced settings, such as selecting wireless channels, closed networks, access control, user accounts, security options, and more. Using AirPort Express to Stream Music 3 If you connect AirPort Express to your stereo or powered speakers, you can use AirPlay to play music from iTunes on any computer or from an iOS device on your network. To set it up: 1 Connect the Audio Out port on your AirPort Express to your home stereo or powered speakers. Use a digital fiber optic cable, an analog mini-stereo-to-dual-RCA cable, or a ministero to mini-stereo cable, depending on what type of connectors your stereo uses. If you have more than one AirPort Express, you can connect one to the stereo in your living room and connect another to the powered speakers in your den, for example. Using AirPlay, you can stream your iTunes music from any computer or wireless device on the network to any AirPort Express in your house. You can also stream music to more than one AirPort Express simultaneously using iTunes, but only one device at a time can stream music to an AirPort Express. Tips and Troubleshooting 4 You can quickly solve most problems with AirPort Express by following the advice in this chapter. Best Locations for AirPort Express The following recommendations can help your AirPort Express achieve the best wireless range and network coverage. AA Place your AirPort Express in an open area where there are few obstructions, such as large pieces of furniture or walls. Place it away from metallic surfaces. Avoiding Interference The following items can cause interference with Wi-Fi communication: AA Microwave ovens AA Direct Satellite Service (DSS) radio frequency leakage AA The original coaxial cable that may come with a satellite dish. Contact the device manufacturer and get newer cables. AA Electrical devices such as power lines, electrical railroad tracks, and power stations. AA Cordless telephones that operate in the 2.4 GHz range. AA Make sure you've chosen your AirPort Express from the AirPlay pop-up menu () in the iTunes window on your computer, or from the AirPlay pop-up menu on your iOS device. AA Make sure you're using iTunes v10.4 or later on your computer. 5 In the dialog that appears, make the following changes: AA Reset the AirPort Express password. AA Turn on encryption to activate password protection for your AirPort network. If you turn on encryption, enter a new password for your AirPort network. 6 Click OK. AirPort Express restarts and loads the new settings. If Your AirPort Express Isn't Responding Unplug it from the power outlet and plug it back in. If Your AirPort Express Status Light Flashes Amber The Ethernet cable may not be connected properly, your AirPort Express may be out of range of an AirPort network, or there may be a problem with your Internet service provider. If you're connected to the Internet with a DSL or cable modem, the modem may have lost its connection. Even if the modem seems to be working properly, try disconnecting the modem from its power supply, waiting a few seconds, and then reconnecting it. Learning More, Service, and Support 5 You can find more information about using AirPort Express in onscreen help and on the web. Onscreen Help on Your Computer To learn more about using AirPort, open AirPort Utility and choose Help > AirPort Utility Help. Online Resources For the latest information about AirPort Express, go to www.apple.com/airportexpress. To register your AirPort Express, go to www.apple.com/register. Obtaining Warranty Service If your AirPort Express appears to be damaged or doesn't function properly, follow the advice in this booklet, the onscreen help, and the online resources. If your AirPort Express still doesn't function properly, go to www.apple.com/support and click Check Your Service & Support Coverage for information about obtaining warranty service. Finding the Serial Number of Your AirPort Express The serial number is printed on the bottom of your AirPort Express. Specifications and Safety 6 AirPort Specifications AA Frequency Band: 2.4 and 5 gigahertz (GHz) AA Standards: 802.11n Wi-Fi Interfaces AA RJ-45 10/100Base-T Ethernet WAN (AirPort Express Safety Tips AA The only way to completely shut off power to your AirPort Express is to disconnect it from the power source. AA Your AirPort Express is a high-voltage component. Do not open it for any reason, even if it's unplugged. If your AirPort Express needs service, see "Learning More, Service, and Support" on page 21. AA Never force a connector into a port. Make sure that the connector matches the port and that you position the connector correctly in relation to the port. Regulatory Compliance Information FCC Compliance Statement This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. See instructions if interference to radio or television reception is suspected. Exposure to Radio Frequency Energy The radiated output power of the AirPort Card in this device is below the FCC and EU radio frequency exposure limits for uncontrolled equipment. This device should be operated with a minimum distance of at least 8 inches (20 cm) between the AirPort Card antennas and a person's body and must not be co-located or operated with any other antenna or transmitter subject to the conditions of the FCC Grant. Ελληνικά Με την παρούσα, η Apple Inc. δηλώνει ότι αυτή η συσκευή WLAN Access Point συμμορφώνεται προς τις βασικές απαιτήσεις και τις λοιπές σχετικές διατάξεις της Οδηγίας 1999/5/ΕΚ. Polski Niniejszym Apple Inc. oświadcza, że ten WLAN Access Point są zgodne z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC. Français Par la présente Apple Inc. European Community Restrictions Français Pour usage en intérieur uniquement. Consultez l'Autorité de Régulation des Communications Electroniques et des Postes (ARCEP) pour connaître les limites d'utilisation des canaux 1 à 13. www.arcep.fr Korea Warning Statements 臺灣 類 B Statement 端 of life, contact Apple or your local authorities to learn about recycling options. For information about Apple's recycling program, go to www.apple.com/recycling. © 2013 Apple Inc. All rights reserved. Apple, the Apple logo, AirPlay, AirPort, AirPort Express, AirPort Extreme, Apple TV, iPad, iPhone, iPod touch, iTunes, Mac, and Mac OS, are trademarks of Apple Inc., registered in the U.S. and other countries. China Battery Statement Taiwan Battery Statement 30 App Store is a service mark of Apple Inc. iOS is a trademark or registered trademark of Cisco in the U.S. and other countries. www.apple.com/airportexpress www.apple.com Page 2 Chapter 1 Getting Started 10 Powered speakers Computer or iPad iPhone or iPod touch Ethernet LAN port Ethernet WAN port Audio Out port Network printer Cable/DSL modem 2.4 or 5 GHz 2.4 or 5 GHz AirPort Express See the next chapter, "Setting Up AirPort Express," to find out how to use the AirPort software on your computer or on an iOS device to set up your AirPort Express and your wireless network. Page 3 Chapter 1 Getting Started 8 Before you plug in your AirPort Express, rst connect the appropriate cables to the ports you want to use—including: A An Ethernet cable connecting your DSL or cable modem to the WAN port (if you'll connect to the Internet) A An audio cable connecting your stereo to the audio out port (if you'll use AirPlay to play music from your iTunes library) A A USB or Ethernet cable connecting a printer to the USB or Ethernet port (if you'll print to it using AirPort Express) After you connect the cables for all the devices you plan to use, plug the AirPort Express power cord into the power port and a power outlet. There's no on/off switch. When you plug the AirPort Express power cord into a power outlet, the status light glows amber during startup, and then ashes amber during setup. The status light glows green after your AirPort Express is set up and connected to the Internet or a network. AirPort Express Status Lights The following table describes AirPort Express status light sequences and what they indicate. Light Status/description O AirPort Express is unplugged. Solid green AirPort Express is on and working properly. Flashing amber AirPort Express is not set up or cannot establish a connection to the network or the Internet. Use AirPort Utility to find out the cause. See "If Your AirPort Express Status Light Flashes Amber" on page 20. Solid amber AirPort Express is starting up. Flashing amber and green There may be a problem starting up. AirPort Express will restart and try again. Page 4 Chapter 1 Getting Started 6 Status light set button WAN Ethernet USB Analog/Optical Audio Out Power Link lights Power cord (Your power cord may look different.) Page 5 4 1 Learning More, Service, and Support 21 Onscreen Help on Your Computer 21 Online Resources 22 Obtaining Warranty Service 22 Finding the Serial Number of Your AirPort Express 23 Specifications and Safety 24 AirPort Express Safety Tips 25 Regulatory Compliance Information Page 6 Page content loaded Mar 6, 2019 12:22 PM in response to gethin67 Is Airplay 2 backward compatible with Airplay 1 (sending Airplay 2 to an Airplay 1 firmware device)? AirPlay 2 is backwards compatible. However, understand that when you stream via AirPlay, the "version" used will depend on the version the device is capable of supporting. Both versions basically work with the same IP protocol suite with the newer version having additional "features" implemented. Note: AirPlay 2 adds the ability to play music across multiple speakers (specifically for iOS devices) and use Siri to control where it's playing. Mar 5, 2019 6:28 AM in response to gethin67 Yes, if your AirPort Express has two Ethernet ports.....like the example that you see below.No, if your AirPort Express has only one Ethernet port, like the example below: Mar 5, 2019 11:30 AM in response to gethin67 While the Gen2 can be upgraded to 7.8 firmware...the reality is that firmware is so bad most people discover having airplay working with 7.6.8 or 9 or far superior to airplay2 that does not actually work at all. Many many posts here about 7.8 firmware. And it is a bomb... plus Apple seem to have no interest in repairing the firmware. Mar 6, 2019 1:14 AM in response to LaPastenague Aw man! That's gutting! Is Airplay 2 backward compatible with Airplay 1 (sending Airplay 2 to an Airplay 1 firmware device)? Some posts on here seem to contradict each other. I'm happy not updating, seems to be the Apple way these days. That and the expensive treadmill were on constantly. It's pushing me away if I'm honest. Mar 6, 2019 5:58 AM in response to gethin67 There are always a number of folks that seem to have problems with any update, no matter whether it is an operating system update or a firmware update. I have not have had any problems at all on the two AirPorts that I upgraded to 7.8 firmware but your mileage may vary. The bottom line with any kind of update like this is that you will not know how well.....or if.....the update will work on your network until you try it out on your network. If the 7.8 firmware update does not work well on your AirPort Express(es), you can always roll back the firmware to the previous 7.6.9 version. Post back if you are not sure how to do this.