



Frequently Asked Questions & Features

FAQ

What is the warranty?

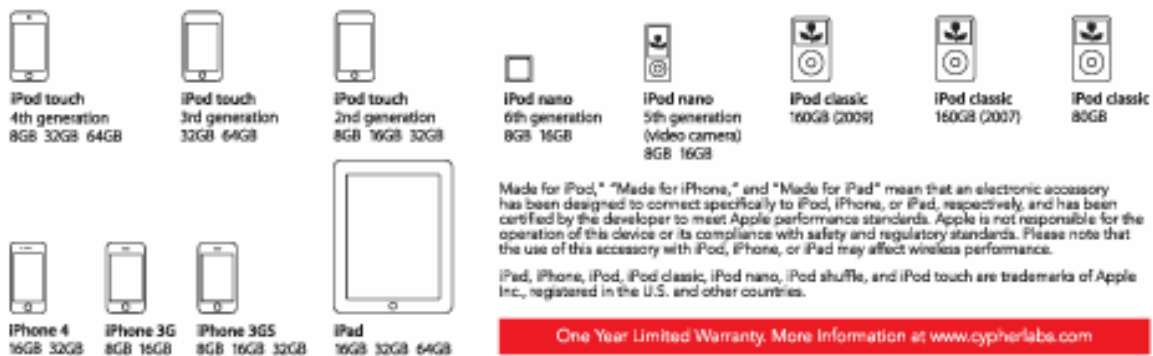
Please see our website for the product warranty.

How does it work?

The Cypher Labs AlgoRhythm Solo ® has a multilayer circuit board, a main processor, DAC and other components. It is essentially a small computer. It communicates using Apple's proprietary iPod Accessory Protocol (iAP) over USB. Authentication of the accessory to the iPod is performed using the Apple authentication coprocessor. Advanced software and the integrated processor control the decryption of the digital audio stream from the Apple device, then pass it to the on-board digital to analog converter for output to the analog output. You may use an external DAC via the SPIDF RCA jack, but your sound quality may degrade by comparison simply because the DAC built into the AlgoRhythm Solo is one of the best available. A headphone amplifier or home stereo amplifier is required. Do not attach headphones directly to the AlgoRhythm Solo's line level output.

Is my iPod compatible?

AlgoRhythm Solo ® is made for the following Apple devices:



iPod Classic 5.5 is not compatible, nor are modified devices such as the iMod. Older devices, such as first generation iPod or older video iPod devices may yield unexpected results.

How do I dock and undock my iPod with the AlgoRhythm Solo?

Make sure to align the connection on the bottom of the iPod with the multi-pin metal connector located on the included synch to USB cable. Do not force the iPod connection or you may damage the multi-pin connector and damage your device. The USB end attaches to the AlgoRhythm Solo. To remove the iPod from the Cypher Labs AlgoRhythm Solo, grasp the iPod and pull on the cable head.

Always make the connection in this order:

1. Make sure the AlgoRhythm Solo is turned off
2. Attach all cables, connect the USB cable to the Apple device and to the AlgoRhythm Solo
3. Navigate to iTunes on the Apple device
4. Turn on the AlgoRhythm Solo
5. Wait a few seconds for the connection to be made

How do I connect the AlgoRhythm Solo to AC power?

Check to make sure that the power cord shipped with your AlgoRhythm Solo has been manufactured for operation at your AC line voltage or that you are using the proper plug adapter for your country. Damage caused by improper operation is not covered by Cypher Labs warranty.

Does the AlgoRhythm Solo charge the iPod or iPhone?

No. Because the AlgoRhythm Solo is also Made for iPad, no power is delivered to the Apple device. The iPad has a much larger power requirement and so the choice was made to preserve battery life of the AlgoRhythm Solo. Charge your Apple devices independently as you normally would.

How do I make the digital connection?

Connect your chosen cable from the S/PDIF Coaxial Digital Audio output on the AlgoRhythm Solo to the corresponding digital input on your Digital to Analog Converter, Digital A/V Receiver or Digital Preamp/Processor.

How do I make the analog connection?

Connect your chosen 1/8" (3.5mm) cable to the AlgoRhythm Solo analog line-level output to the corresponding analog input on your Television, Stereo Receiver or Other Analog Input Device.

Can I stream music from Pandora or from my computer via wifi?

Yes to both! The AlgoRhythm Solo will improve the music stream from any internet source and will also allow you to play music streaming from your wifi connection. See the features list for more information on setting up wifi streaming.

Can I attach the AlgoRhythm Solo to my computer's USB port and hear 24/96 quality music?

No, direct USB connection to your computer is not supported. However you can stream from your computer to your iTouch, iPhone or iPad using a variety of apps.

How should I clean my product?

Use a dry polishing cloth or a slightly damp lint free cloth to wipe the exterior only. Be careful not to get water inside the product. Solvents will damage the finish, do not use them.

The AlgoRhythm Solo is battery powered. Can I replace the battery?

Yes, the battery connection is designed so that customers with reasonable knowledge of electronics can replace the battery. The battery should last for many charge cycles, but everything wears out over time. Contact your retailer to purchase the new batteries and receive detailed instructions.

I want to play music without using an amplifier, can I do that?

Not really. The analog line level output is only slightly amplified and will not drive larger headphones. There is no volume control on the AlgoRhythm Solo. The line level out is set at maximum volume so it is best used for delivering the audio stream to powered speakers or an amplifier, either a headphone amp or home amp.

How come I can't hear my music immediately when I dock my iPod?

When you dock your iPod, the AlgoRhythm Solo first initiates a handshake with the iPod and the iPod verifies communication with the AlgoRhythm Solo. Once the handshake has taken place, the AlgoRhythm Solo has access to the audio stored on your Apple device and will stay synced until it is undocked. The communication usually takes just a few seconds.

What if the connection is not make after a few seconds?

When you dock your iPod, the AlgoRhythm Solo first initiates a handshake with the iPod. Sometimes the cable connection is not complete or an application error has occurred on the iPod. Try restarting the iPod and try the connection again. Make sure you have attached your output cables to the correct input jack on your amplifier or DAC. Try turning the the AlgoRhythm Solo off, wait a few seconds for the Apple device to recognize that, and turn it on again.

Why should I keep my iPod firmware up to date?

Make sure that your iPod firmware is up to date. The AlgoRhythm Solo is tested on the latest Apple operating system. You can make sure that your iPod firmware is up to date when you sync your iPod with iTunes. Select “Check for Updates” in iTunes to make sure that you have the latest firmware.

How do I reset my iPod if it locks up?

iPod – Toggle the Hold switch on and off (*slide it to Hold, then turn it off again*). Press and hold the Menu and Select buttons until the Apple logo appears, about 6 to 10 seconds. You may need to repeat this step. iPod touch – Press and hold the Sleep/Wake button and the Home button at the same time until you see the Apple logo.

How long does it take to charge and how long does it play?

Charging should take under 3 hours.

Power Switch Indicators:

Off position (left):

No light = Off

Green = Charging

Blinking Green = Charging complete

On position (right):

No LED = Battery depleted

Green = charging

Blinking Green = On, fully charged

As you know, batteries are ubiquitous and are long lasting these days, but power management is complex. Even Apple forums are filled with comments and questions about battery run times, life-span, etc. We all know that real world experience will vary from theoretical or laboratory data. At the end of this section there are some recommendations for getting the most out of your Apple and Cypher Labs batteries.

You should expect to get 8 to 12 hours of continuous play time, depending on many, many factors, such as model, OS version, temperature, altitude, age, type of file used, device settings, etc..

The combination of transport (Cypher Labs) and player (Apple) have an approximately matched battery life by design. Why?

- The AlgoRhythm Solo is Made for Apple iPad™, iPhone® and iPod®. We made the decision not to provide power to the Apple devices, primarily because the iPad™ contains such large batteries that even a small percentage power deficit will quickly drain our device.

- There is no charging between either device, except in the case of the iPod Nano®, where, as an exception, we do provide power.
- The USB line out does require more power to produce within the Apple device. USB host mode and USB output processing require more power since they use a different process to deliver USB audio vs. analog audio. This is true of the AlgoRhythm Solo as well. Processing the USB audio input requires a lot of current to decrypt and process for output to the on-board DAC, which itself requires more power.
- When attached to a desktop dock you would not notice the battery life issue, because those docks always provide power to the Apple device.

In summary, there is a balance between quality and battery life, among many other things, in the drive to unlock high resolution audio.

- These are settings you can adjust to minimize power consumption:
- Always update to the latest OS version from Apple
- Turn off Wi-Fi
- Turn off 3G (Wi-Fi + 3G model)
- Use Airplane Mode (Wi-Fi + 3G model) in low- or no-coverage areas:
- Minimize use of location services
- Turn off push notifications
- Fetch new data less frequently
- Turn off push mail
- Auto-check fewer email accounts
- Use Auto-brightness, or in iPod Classic models turn off backlighting
- Set EQ to Off
- Set cover-flow to Off
- Use the screen less frequently
- Manage the use of downloaded applications that prevent the screen from dimming
- Lock your Apple device when not in use
- Use Your Apple device regularly
- For proper reporting of the battery's state of charge for both Apple and Cypher Labs devices, go through at least one charge cycle per month
- Apple Lossless files should be used for longest battery life, since they are the fastest to decompress.
- Turn off the AlgoRhythm Solo when not in use

See www.apple.com/batteries for more information.

Features

Now available, the AlgoRhythm Solo ® is an ultra-advanced high performance audio processor system for mobile and home based systems, that generates true CD quality audio from Apple iPad™, iPhone® or iPod® devices. The digital audio is accessed and processed through the AlgoRhythm Solo™'s main processor and custom software, then routed to the reference grade Wolfson Microelectronics™ digital to analog converter for the best possible audio quality. Now anyone can unlock audiophile quality music from the convenience of your iPad™, iPhone® or iPod®.

The Cypher Labs AlgoRhythm Solo ® streams bit-perfect digital audio from Apple iPad™, iPhone® or iPod® devices to output devices such as headphone amplifiers and powered speakers using full-speed Apple connected USB Audio for superior audio quality. The Cypher Labs AlgoRhythm Solo ® communicates using Apple's proprietary iPod Accessory Protocol (iAP) over USB.

Highlights:

USB interface to iPad™, iPhone® or iPod®.

Digital signal processed via a reference grade Wolfson Microelectronics™ DAC to level line out analog 1.8" output

Simultaneous output via SPDIF for home use with a desktop or portable DAC

Jitter free asynchronous audio

Lithium-ion batteries (2) for long play times and clean portable power

What Makes it Unique:

The worlds first "off the grid" all battery powered digital dock for Apple devices. No annoying messages from your Apple device – the AlgoRhythm Solo ® is "Made for" iPad™, iPhone® or iPod®.

Streaming audio is even improved when using the AlgoRhythm Solo™. Stream your favorite music over the Internet using apps such as Pandora or Soma FM.

Streaming via WIFI is even possible through the use of a WIFI hotspot. Set up your WIFI connection between your home computer and your iPad™ or iPhone® to stream music while the AlgoRhythm Solo ® is connected.

The AlgoRhythm Solo ® DAC – Audiophile Heaven:

Wolfson Microelectronics™ makes many DAC's, including those incorporated into many

earlier Apple devices, so what's new? The AlgoRhythm Solo ® uses a premium Wolfson Microelectronics™ Reference grade DAC, far and away a superior digital engine.

Detailed Features:

- Wolfson Microelectronics™ digital-to-analog converter
- Decryption of the Apple USB output (not a "pass through" of the line-out)
- Asynchronous mode USB to SPDIF conversion
- The Cypher Labs AlgoRhythm Solo ® streams bit-perfect digital audio from Apple iPad™, iPhone® or iPod® devices to output devices such as headphone amplifiers and powered speakers using full-speed Apple connected USB Audio for superior audio quality
- 1/8" stereo analog output and RCA digital output
- Sample Depth 16 bit or 24 bit when using iPad™.
- Dimensions 2.8" x 4.3" x .75" (including outputs, screws)
- Li-Ion battery - AC switching is totally isolated
- Portable design with short and clean signal paths
- Connects to home and portable headphone amplifiers and DACs
- USB-A docking cable included
- AC adapter and power cable included (international adapters widely available)
- Designed to match in size and audio character with the ALO Rx MK2 headphone amp

