

USER MANUAL

PACKAGE CONTENTS:

- **AlgoRhythm Solo®**
- Black USB-A sync cable
- Docking cable
- Cypher Labs straps to bundle devices for travel
- Switching 100v / 220v AC adapter and power cable
- User guide quick reference

Please see our website for the product warranty. It can be found at this link: <http://cypherlabs.com/Warranty.php>

INSTRUCTIONS:

1. **Read these instructions**
2. **Keep these instructions**
3. **Heed all warnings**
4. **Follow all instructions**
5. **Do not use this device near water**
6. **Clean only with a dry cloth**
7. **Do not install in or near heat sources**, such as radiators, heat registers, stoves, or other apparatus, including amplifiers, that produce heat
8. **Refer all servicing to qualified service personnel.** Servicing is required when the device has been damaged in any way, including damage to the power cord or plug, liquid has been spilled or objects have fallen into the device, the device has been exposed to rain or moisture, does not operate normally, or has been dropped.
9. **Batteries shall not be exposed** to excessive heat or moisture, including rain, sunshine, fire or the like.

AlgoRhythm Solo® is made for the following Apple devices:



iPod classic
80GB



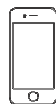
iPod
5th generation
(video)
60GB 80GB



iPod nano
5th generation
(video camera)
8GB 16GB



iPod nano
6th generation
8GB 16GB



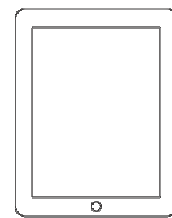
iPhone 4
16GB 32GB



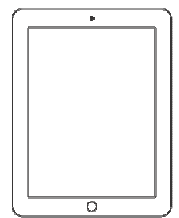
iPhone 3G
8GB 16GB



iPhone 3GS
8GB 16GB 32GB



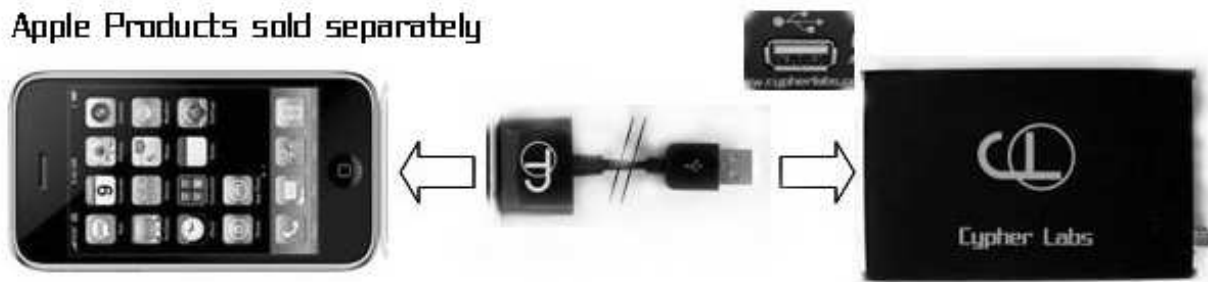
iPad
16GB 32GB 64GB



iPad 2
16GB 32GB 64GB

Newer devices coming on the market from Apple should also work. Older devices, such as first generation iPod or older video iPod devices may yield unexpected results. However, behavior of Apple models not listed as supported may differ, especially in older models. We recommend against using any model older than those listed above.

Apple Products sold separately



Make sure to align the connection on the bottom of the iPod with the multi-pin metal connector located on the included sync 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.

How do I connect the AlgoRhythm Solo to AC power?

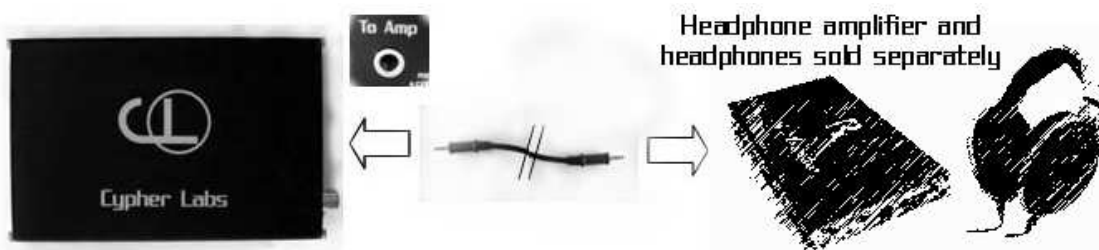


Check to make sure that the power cord shipped with your AlgoRhythm Solo has been manufactured for operation at your AC line voltage or that you are using the proper plug adapter for your country. Damage caused by improper operation is not covered by Cypher Labs warranty.

Does the AlgoRhythm Solo® charge the iPod or iPhone?

Only the iPod Nano receives power from the AlgoRhythm Solo. Because the AlgoRhythm Solo is made for the iPad, no power is delivered to the larger Apple devices. 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 analog connection?



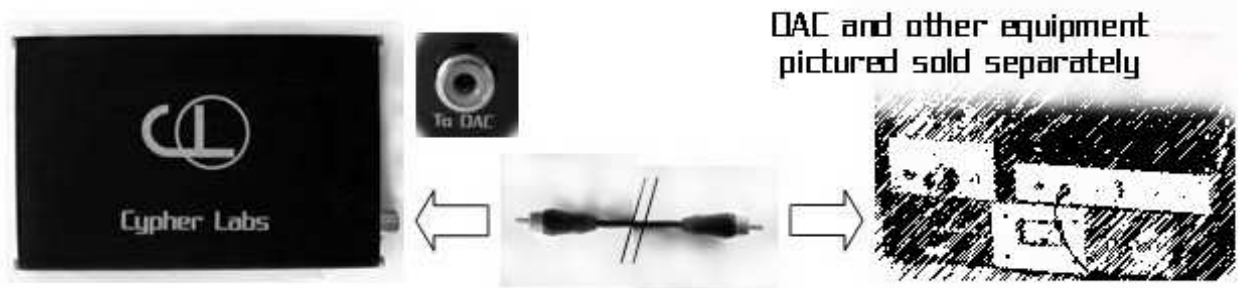
Connect your chosen 1/8" (3.5mm) cable to the AlgoRhythm Solo analog line-level output to the corresponding analog input on your Television, Stereo Receiver or Other Analog Input Device. Both analog and digital outputs work at the same time.

Make sure to align the connection on the bottom of the iPod with the multi-pin metal connector located on the included sync 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 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. Both analog and digital outputs work at the same time.

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. Try one of the new streaming apps like Zumocast.

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.

How should I clean my product?

Use a dry polishing cloth or a free cloth to wipe the exterior only. Be careful not to use water or get any liquid 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.

Power Switch Indicators:

On position (right):

Solid Green = On
No LED = Battery depleted
Red LED = Battery low
Bright Green = Charging

Off position (left):

No Light = Off
Solid Green = Charging
Blinking Green = Charged

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 second or two.

What if the connection is not made 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.

Why should I keep my iPod firmware up to date?

Make sure that your iPod firmware is up to date. 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.

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
- The Cypher Labs AlgoRhythm Solo™ communicates using Apple's proprietary iPod Accessory Protocol (iAP) over USB
- 1/8" stereo analog output and RCA digital output
- Sample Depth 16 bit
- Dimensions 2.8" x 4.3" x .75"
- 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 RxMK II headphone amp

Legal Notices:

"Made for iPod," "Made for iPhone" and "Made for iPad" mean that an electronic accessory has been designed to connect to iPod, iPhone or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

Wolfson is a trademark of Wolfson Microelectronics PLC

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