



# FRYBABY

*Portable Burn-in Generator*



Made in USA

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# Description

The FryBaby audio system conditioner is a burn-in signal generator designed especially for cables and interconnects. It can also be used to burn-in linestages, phonostages, and amplifiers. The sophisticated electronic waveform – a combination of wideband noise and variable frequency amplitude modulation – has also been recorded to CD for the ability to burn-in CD players and transports. FryBaby is part of the FryKleaner™ series of professional cable burn-in generators.

## *Package Contents*

- FryBaby
- Wall-wart power supply
- RCA loopback adapter
- Audio CD

## *Specifications*

Item	Specification
Output Voltage	1Vrms (LINE), 10mVrms (MM), 1mVrms (MC)
Current Limit	10mA
Signal Bandwidth	10Hz to 100kHz
Battery Life	33 hours (alkaline)
AC Voltage	120Vac 60Hz

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# Operation

The FryBaby's control knob sets the manner of operation. **MC** selects an output level suitable for driving moving coil phono stage inputs (-60dB), **MM** for moving magnet phono stages (-40dB), and **LINE** for everything else. The FryBaby runs off of the internal battery whenever the wall-wart supply is not used, with the LED blinking at the rate of modulation.

There are two modes of cable burn-in, voltage and current. Both are required for maximum effectiveness.

## *Voltage Mode*

In voltage mode the cable dielectric is excited by electric fields. Leave the far end of the cable open-circuited (see diagrams in following section).

## *Current Mode*

In current mode, the cable is short circuited, and conductors are exercised via magnetic fields. Short-circuit the far end of the cable or form a loop by returning the cable to the other FryBaby output. Current mode is not applicable when using the FryBaby to burn in amplification.

## *Duration*

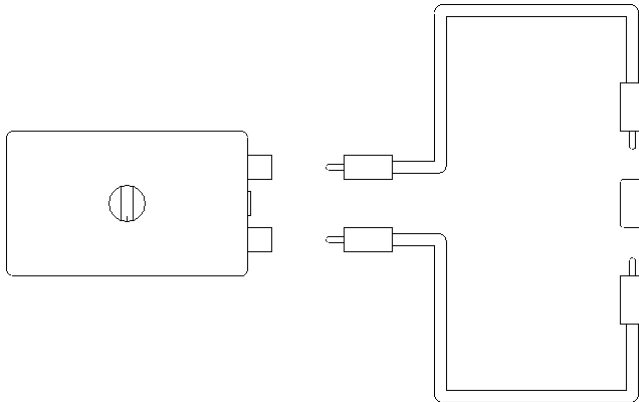
It is best to do a voltage burn for 24 hours followed by a current burn for 48 hours. Thus, a typical stereo interconnect pair will require on average two batteries. Note: silver conductors typically take twice as long! Battery operation is inherently self-timed, in that when the battery dies, the FryBaby output stops.

# Connections

The FryBaby is designed to burn-in and conditions cables offline. It can also be used as a signal generator to break-in amplifiers.

## *RCA*

The FryBaby can burn in a stereo pair of interconnects by using the female-to-female adapter at the far end. First, do a voltage burn by connecting the interconnect pair directly to the FryBaby outputs. Set to **LINE**. After the voltage burn, do a current burn by inserting the adapter to close the loop.



## *Phonostage, Linestage, Amplifier*

Amplification electronics are burned in using voltage mode. Connect the FryBaby outputs to the inputs on your phonostage (you'll need an interconnect). Set the output amplitude to either **MC** or **MM**, depending on the gain of your phonostage. This sets the burn-in signal to the correct amplitude and equalization. For linestages or other types of amplifiers, use the **LINE** level output. Amplifier must be powered on.

## *CD Player*

The FryBaby signal cannot be injected into a CD player or transport. Instead, use the audio CD. Play track #1 on continuous repeat for 24 hours. This works for PC and Mac computer transports too.

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# Troubleshooting

In case of trouble, please contact [jim@haglabs.com](mailto:jim@haglabs.com).

Problem	Solution
LED does not light up.	Switch is set to OFF? Battery is dead, replace. Wall-wart is not plugged in?
LED is green.	Wall wart is plugged in ok, FryBaby not turned on?
Audio CD won't play.	This is a CD-R of 44.1k 16-bit data. It may not work in some SACD or DVD-A players.

