

Team Purple

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MIT Mechanical Engineering



Team Purple

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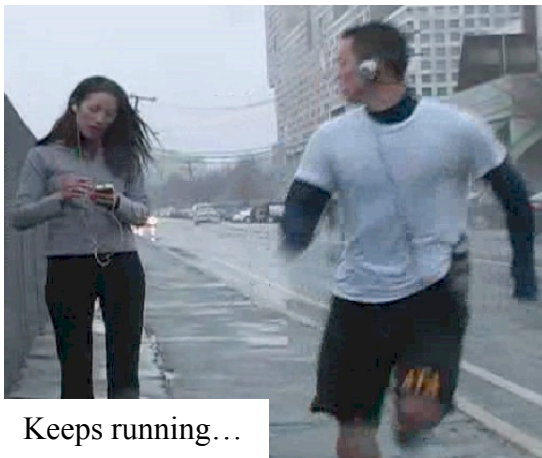
Team Purple - MP4ever™
2.009 - 2004
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A Self-Powered
MP3 Player for Joggers

Sleek design



Detachable player unit

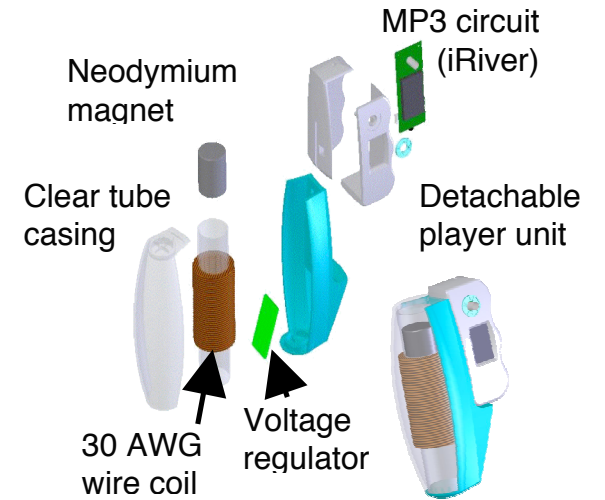


Keeps running...

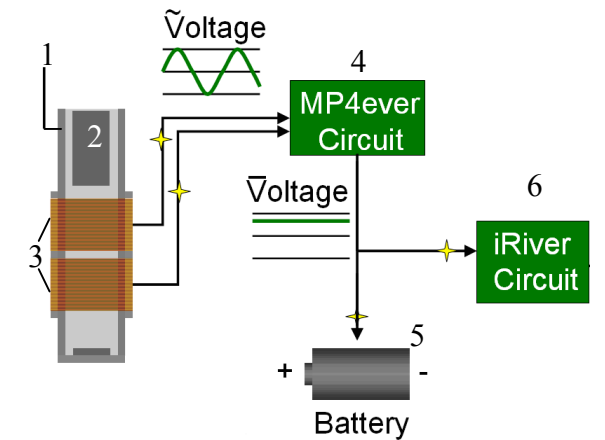
Features and Specifications

Player <i>always</i> works during a run	Power: 0.1 W
User-friendly interface	Fingertip access to Power/Play and Mode buttons
	Intuitive joystick control for Seek/Volume
Unencumbered jogging motion	5200 Gauss magnet damped by 2.9-pull lbs. reflector magnet
	Recovers unutilized energy in jogging
	Designed for use on hip
Competitive cost	Retail price: \$149.95
	Designed for injection molding process
Rugged components	Machine screws firmly anchor circuitry
Retains charge while being stored	Includes battery with min. 4-year shelf life
	While idle, no draw on battery
Aesthetic, ergonomic design	Glossy finish, smooth contours for easy handling
	Weight: 1.3 lbs. (0.6 kg)

Component Parts



How it Works



Coil tube (1) includes magnet (2) and 2 wire coils (3). Coils connect to voltage regulator circuit (4), which smooths coil output and directs power to the MP3 player. Rechargeable battery (5) supplies energy

when runner is stationary and re-charges
using magnet/tube/coil while he is running.