Since Reginald Fessenden made the first ever audio radio broadcast on Christmas Eve 1906, the world of radio has inspired, influenced and educated people from all walks of life and cultural upbringing.

Radio is the predominant source of information in areas of the world that are sometimes too remote to get a newspaper delivered, let alone access the internet. This is why UNESCO has noted that radio is a "low-cost medium, specifically suited to reach remote communities and vulnerable people".

Understanding this, Freeplay has developed a range of products that enable people in temporary or permanent off-grid environments to appreciate the benefit of radio. Our high quality, patented range of radios can be used to provide vital information and education to communities living off-grid or in areas recovering from natural disaster.

In 1994, Freeplay Energy launched the world's first clockwork radio. It was designed and developed specifically to provide better communication and education, in the fight against the spread of AIDS across rural Africa.

Today, with a varied and extended product range, we are proud to have provided over three million products that serve vulnerable communities worldwide, continuing our strong humanitarian focus and emphasizing our heritage for being the original brand for self-sufficient electronics.

Our commitment to the needs of users in the developing world ensures that we can continue to create products that deliver life changing benefit and our dedication to innovate and evolve makes sure that we retain our position as pioneers within the industry.
Freeplay Power Station Technology

All Freeplay products have their own on-board power station. This harvests mechanical energy and turns it into electricity, freeing the user from buying batteries. The Freeplay Power Stations are the most efficient and technologically advanced on the market. Their superior design and sophisticated materials ensure reliability and unbeatable performance.

Features:
- Industry leading conversion of energy into electricity
- High grade copper and stainless steel used throughout
- Super strong, nickel-plated NiB rare-earth magnets
- Pre-lubricated sintered bronze bearings
- Tough Nylon and Acetyl moulded parts
- Unbreakable, reinforced crank handle

Freeplay Solar Station Technology

The Freeplay Solar Station is an array of advanced photovoltaic cells connected together. These capture the sun’s energy and convert it into electricity to power our products. Because of the efficiency of the cells, even low levels of light are harvested and the tough resin protective matrix ensures they carry on working year after year. It’s clean energy, for free.

Features:
- The cleanest energy in the world, working for you
- Advanced mono-crystalline and poly-crystalline photovoltaic cells
- Tough resin protective matrix
- High-efficiency photo-electric conversion
- Captures energy even in low light conditions

![Diagram of Freeplay Power Station Technology](image)

![Diagram of Freeplay Solar Station Technology](image)
The Lifeline Radio

The Freeplay Lifeline was the first radio ever produced solely for humanitarian use. It has been used extensively by UNICEF and many other aid agencies in programs to respond to complex emergencies, promote education and assist in the fight against the HIV/AIDS pandemic.

With its integrated detachable solar panel, the Lifeline is particularly useful in off-grid areas and its robust design and powerful 5W speaker makes it ideal for broadcasting to large groups of up to 40 people. By incorporating the use of simple features and an attention to detail including colour coordinated knobs and dial scale, anyone can use the Lifeline, irrespective of educational or cultural background.
The Encore Range

The Encore range of radios builds on the heritage of the Lifeline radio by adding new and useful functionality in a package that is half the size and weight - making it the low cost option for shipping to remote communities.

There are 3 products in the range:
- Encore Primary
- Encore Digital
- Encore Player

All the radios come equipped with AM/FM and two SW bands. They have an in-built solar panel, our unique failsafe winding mechanism and include mobile phone charging capability as standard.

The Encore Primary

The Primary radio is the popular choice for those who want the character of the Lifeline in a more compact package.

The Encore Digital

The Encore Digital features an attractive digital LCD screen, enabling accurate tuning for even hard to find stations. Frequencies are displayed in a large, clear, easy-to-read format.
The Encore Player

The Encore Player is an MP3-enabled multi-band radio designed and engineered for the humanitarian sector. This innovative tool combines radio, media player and mobile charger in one simple to use package.

Powered by a solar panel and a fail-safe winding mechanism the Encore Player has outstanding speaker quality and can deliver educational or informational content anytime, anywhere.

- 64GB SD Card memory
- Supports distance education
- In-built reading light
- Dynamo handle for manual charging at rear
- Mobile phone charging
- Radio or live voice recordings
- Anytime MP3 playback

The Encore Range

The Encore Player has a broad range of features based on what users said that they wanted. These include:

- FM, AM and SW radio bands
- Up to 64 GB of pre-loaded educational or informational content in any subject or language
- Programming that can be factory or locally loaded as needed on SD® cards
- Radio or live voice recordings for playback later
- Outstanding speaker quality
- Electricity independent using solar or wind-up technology

Play, pause, rewind.. anytime, anywhere...
Getting the message heard even in times of crisis...

The Assist

Designed specifically for rugged, off-grid environments, the Assist goes beyond a response to crisis. Compact and lightweight, the Assist is a multiband radio, flashlight and mobile phone charger with a built-in emergency siren. Assist’s small size not only makes it easy to slide into the side pocket of a rucksack, but also ensures that it is ideal for rapid deployment with comparatively low distribution costs.
## Technical Data / Comparison Chart

<table>
<thead>
<tr>
<th>Feature</th>
<th>Lifeline</th>
<th>Primary</th>
<th>Digital</th>
<th>Player</th>
<th>Assist</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM / AM / SW1 / SW2</td>
<td>√</td>
<td></td>
<td></td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>SW Wide spectrum</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td></td>
</tr>
<tr>
<td>High volume speaker</td>
<td>√</td>
<td></td>
<td>√</td>
<td>√</td>
<td></td>
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<tr>
<td>Integral solar panel</td>
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<td>√</td>
<td>√</td>
<td></td>
<td></td>
</tr>
<tr>
<td>External solar panel</td>
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<td>√ (Optional)</td>
<td>√ (Optional)</td>
<td>√ (Optional)</td>
<td></td>
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<tr>
<td>SD card MP3 playback</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>√</td>
</tr>
<tr>
<td>Recording radio and voice</td>
<td></td>
<td></td>
<td>√ (Pre-loaded content)</td>
<td>√ (Pre-loaded radio and voice)</td>
<td></td>
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<tr>
<td>Flashlight</td>
<td></td>
<td></td>
<td></td>
<td>√</td>
<td></td>
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<tr>
<td>Reading light</td>
<td></td>
<td>√</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>Battery life extension technology</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>Digital display</td>
<td></td>
<td></td>
<td></td>
<td>√</td>
<td></td>
</tr>
<tr>
<td>Phone charging</td>
<td></td>
<td>√</td>
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<td>√</td>
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<tr>
<td>Phone charging kit</td>
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<tr>
<td>DC charging</td>
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<td>√</td>
<td></td>
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<tr>
<td>Telescopic antenna</td>
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<tr>
<td>Unbreakable wire antenna</td>
<td>√</td>
<td>√ (Optional)</td>
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<tr>
<td>SW extension antenna</td>
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<td>√ (Optional)</td>
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<td>√ (Optional)</td>
<td>√ (Optional)</td>
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<tr>
<td>Extra large gear system</td>
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<td>Pre-lubricated bearings</td>
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<tr>
<td>Carry handle</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td></td>
</tr>
</tbody>
</table>

## How our radios can help

### Health – to promote life-saving messages
How to prepare potable water, how to fight malaria and water-borne diseases, to inform people of a disease outbreak.

### Education – to improve literacy
Civic and cultural education can be implemented through the radios to communities near and far.

### Agriculture – to promote to communities
The best agricultural practice and daily weather alerts.

### Security and Preparedness – to inform citizens
Actions to be taken to prepare for or recover from a natural catastrophe such as a cyclone, an earthquake or a flood.

find out more at www.freeplayenergy.com