

AQUABROADCAST



SOLARIS

Hybrid Power FM Radio



Solar / Wind / AC Power
Maximum Flexibility



High Efficiency
Carefully designed to maximize resources



Flexibility
Standard and Custom systems available



Full Support
Always with you, wherever you are...

www.aquabroadcast.co.uk

AQUABROADCAST

OFFGRID POWER

Whether you choose to be off grid, or have inconsistent power - the Solaris Hybrid Power FM Radio system packs a punch in its small overall footprint.

Being able to run of AC mains power, Solar, Wind, or back-up battery, we give you a wider choice to meet your actual current and future requirements. The Solaris Hybrid Power FM Radio system is able to adapt to your power requirements, even being able to connect to multiple power sources, giving you flexibility and assurance that even at night you still benefit from constant power.



COMPACT FM TRANSMITTER

Aqua Broadcasts' latest C10-I Industrial FM Transmitter is designed for the most demanding environments, in an ultra-compact form.

Housed in a rugged, Industrial chassis - the Cobalt C10-I is designed for demanding environments, that is designed to be mounted in various ways.

The Cobalt C10-I Transmitter has the same, superior audio quality and sound clarity of all other Cobalt Transmitters, which is a result of its Direct to Channel Digital technology. The Cobalt C10-I does away with the Screen and front panel controls and is setup and controlled via its web-remote, on either Wi-Fi or LAN.

Running on a fully customized LINUX OS system, the Cobalt C10-I has a low distortion modulator. Inputs and outputs include Analog, AES/EBU, Digital MPX (AES192), Ethernet, USB, GPIO, GPS Sync with built in SFN capabilities.

The amazing market beating sound will let you stand out with its built-in 4 band Audio Processor with includes Bass enhancement, Pilot protection, Wide AGC and a whole bunch of expertly designed modern presets, so you sound great right from the start.

The advanced communication package with Intuitive web interface and remote control via Ethernet (<https>) lets you make changes or monitor the COBALT C10-I Transmitter. Full SNMP Version 3 management and the ability to send emails, alerts and monitor audio remotely gives you added confidence knowing you have full control from anywhere in the world on any device with a Web browser.

Easy access to all components and software controlled variable fan speed, will guarantee you low cost of maintenance.

The highest AC efficiency, a compact design and reduced weight mean low cost of transportation and far the lowest total cost of ownership in its class.



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OUTDOOR CABINET

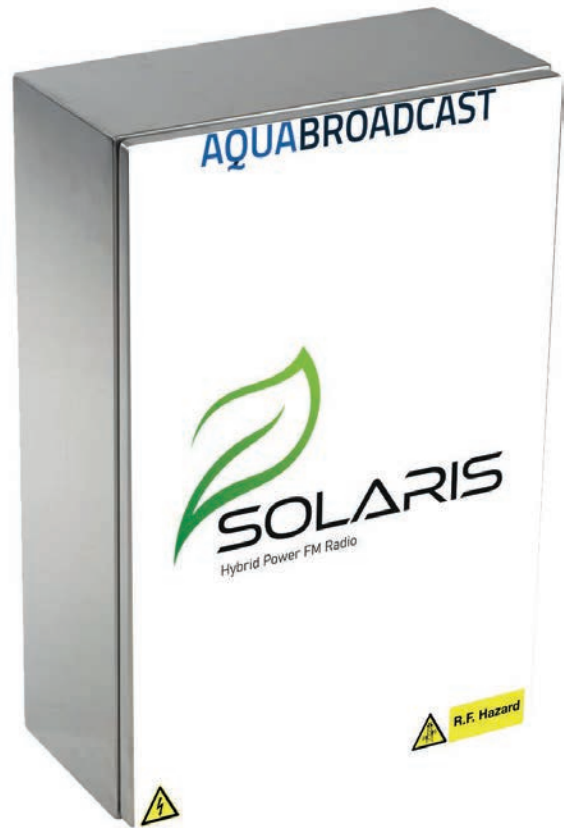
The Aqua Broadcast Solaris system is pre-installed into a rugged, outdoor cabinet which is IP65 rated. Being water and dust proof, be confident of the system being shielded from the elements in all environments. The cabinet is lockable and can easily mounted externally or within a building.

The standard setup comprises of: -

The Aqua Broadcast C10-I FM Transmitter
Solar/Wind Charge Controller
4G/LTE, 3G, 2G, WAN, LAN Router
IP Audio CODEC RX

There are various options to choose from and configurations that can be custom designed for you.

Batteries are also available on request and typically these are externally mounted due to their size.



TYPICAL APPLICATIONS



Stand-alone Transmitter

When you simply need a Transmission site that is either remote, or you want to run on alternative and green energy, Solaris is the best overall solution in a compact form.



Gap-filler

For FM re-broadcast sites, and gap-fill requirements in areas that have topology challenges. Easily add as many of the Solaris systems as you need. Its integrated SFN option allows you to expand, fill and keep your Broadcast synchronized.



Emergency Aid

Disasters and Emergencies happen, be ready to deploy at a moment's notice with the Solaris FM system. Designed to be compact, secure, and powered from a variety of sources, get urgent and important information out, to enable relief efforts in natural or man-made disasters.

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Mobile FM Transmission



Drive-In and Mobile Cinema



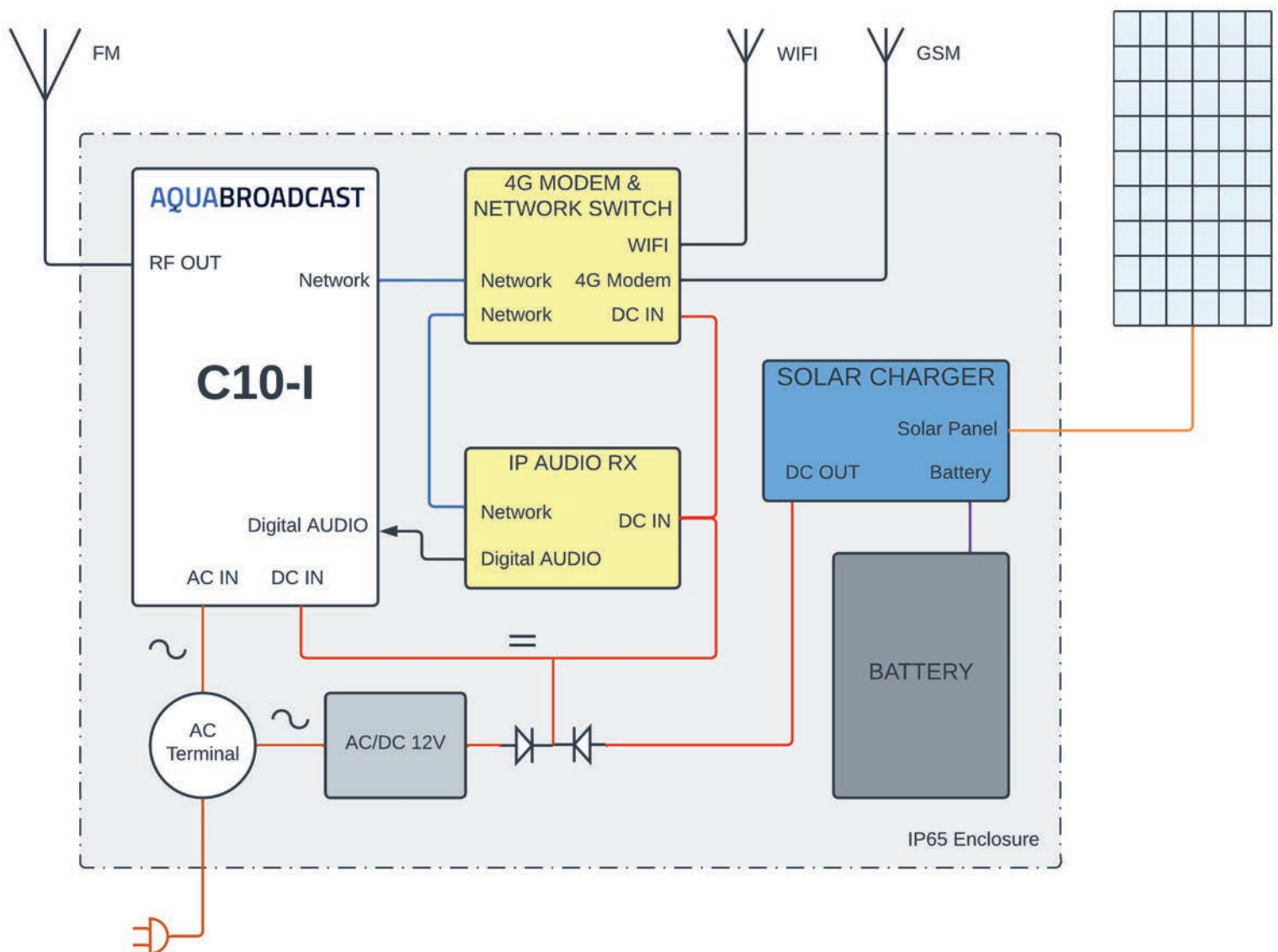
Mining and Industrial use

Easy to transport, and fast to set-up. The Solaris lets you set up events for local Broadcast using whichever power source may be available. Easily transmit audio with the CODEC from wherever the source may come from, or simply via the Analog or Digital inputs.

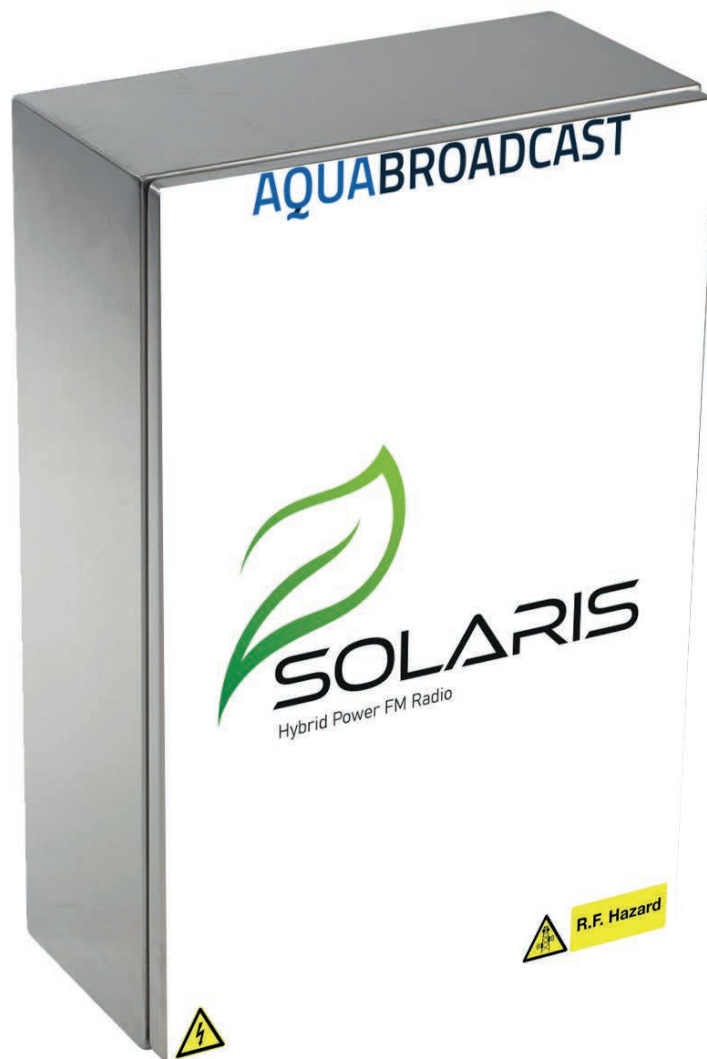
Perfect for static or Mobile Drive-in Movies and Mobile Cinema events. Your customers will love the rich sound provided, that can be received by any standard FM receiver. Drive-in Cinema never sounded so good with its built-in Audio Processing and easy connection to all popular brands of Cinema gear, including AES/EBU Digital Audio

Remote Mining Radio stations are becoming the norm. Solaris lets you power the Transmission off grid, and can also be used in Factory environments for in house radio and company announcements.

Solaris Block Diagram



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To find out more about the Solaris Hybrid Power FM system, please contact your local dealer, or contact us directly at,

Aqua Broadcast Ltd
Unit 7, First Quarter
Blenheim Road
Epsom
KT19 9QN
United Kingdom
Tel: +44 203 411 0387

www.aquabroadcast.co.uk
info@aquabroadcast.co.uk

