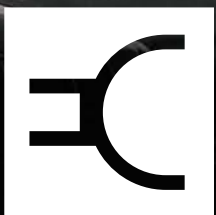


CODAN RADIO

INTEGRATED HF & LMR SOLUTIONS



CODAN SOLUTION
FOR LMR REMOTE
SITE INTEGRATION
USING HF
TECHNOLOGY



CODAN
RADIO COMMUNICATIONS



CODAN ENVOY: THE SMART RADIO

The Codan Envoy™ smart radio series are the most intuitive, reliable and advanced radios we've ever built. Envoy's clear and dependable High Frequency (HF) voice and data communications means you have the confidence to communicate anywhere and anytime without the need for existing infrastructure.

A true software-defined radio (SDR), Envoy delivers new capabilities to the radio through software upgrades over an IP connection, meaning you can download enhanced capabilities and configure your Envoy from any location. With Ethernet and USB connectivity, a large high-resolution colour display and smart-phone based interface the Envoy is an easy to use and intuitive HF radio — so when all other communication fails you can rely on Envoy for quick and reliable communications.



SOFTWARE-DEFINED RADIO

Envoy's software-defined architecture enables you to download and upgrade new capabilities through software to ensure your investment is future-proof



SMART INTERFACE

With an icon-based full-colour user interface, USB SmartLoader, and intuitive programming, Envoy is easy to operate and minimises the need for training



IP CAPABLE

Envoy is the only IP capable and wireless-network interoperable HF radio of its kind, so you can remotely program an Envoy from your desktop — from anywhere in the world



MULTI-LANGUAGE SUPPORT

With the ability to support an unlimited number of additional languages, Envoy provides you with a truly customisable communications solution no matter where you operate



EMBEDDED SOFTWARE MODEM

Through the fully embedded software modem, Envoy provides advanced internal features such as high-speed data, email, and chat messaging for a compact cost-effective solution

CODAN LMR TRANSPORTABLES

At Codan we pride ourselves on quality and reliability, producing a range of LMR analog and digital P25 radio systems that exceed industry standards and are renowned for their low power consumption, transportability, and ability to survive in the harshest environments. Codan offers a comprehensive family of repeaters and base stations to address over twenty different types of applications in six major frequency bands.

ET4-BRIEFCASE REPEATER

The Codan Briefcase Repeater is a compact case that accommodates standard Codan radio modules as well as an optional battery backup, duplexer and accessory storage box. An interface connection to the side of the case provides access to the RF, DC and AC inputs. The case is rugged, waterproof, and easily deployed by one person. The case itself is constructed from high-density polyethylene with reinforced walls, fold down handles and anodised valences.

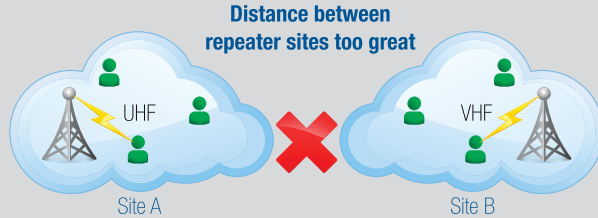


LMR AND HF INTEGRATED SOLUTIONS

Land Mobile Radio (LMR) technology is the primary communications means for military and public safety users worldwide. A single LMR repeater system, with associated subscribers and user radios, provides typical distance coverage of an area with a radius of 5 to 50 km (2 to 30 mi). Unlike LMR, High Frequency (HF) radio is capable of communicating over distances of 3000 km or more and requires minimal infrastructure. As such, HF communications is often the only reliable technology when disaster strikes. When these two technologies are combined, many communications problems can be solved.

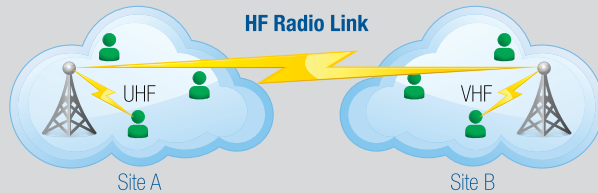
Problem: Distant LMR Radio Sites

The distance between two or more local LMR radio sites can be too great for typical LMR technology to overcome, which means that the groups of subscribers associated with each site are unable to communicate with each other.



Solution: Integrated LMR and HF Radio Network

A HF link crosspatched to an LMR repeater at each site enables long distance communications between two or more local LMR sites — previously a leased line, microwaves or private IP networks were the only option. VHF and UHF cannot provide this link due to the physical nature of propagation.



THE CODAN SOLUTION

Codan's HF and LMR solution consists of a VHF/UHF 30 W Repeater, Envoy™ Software Defined HF Radio, 3031 Crosspatch™ and a universal-input rugged mains power supply.

A lightweight, compact polyethylene case is available to accommodate standard Codan radio modules in standalone or crosspatch configurations, as well as an optional battery backup, duplexer and accessory storage box. Optional deployable accessories include a solar panel system, battery case and antenna and masts.



Our commitment to you goes well beyond producing communications equipment of the highest international standard. Because Codan has customers in over 150 countries, we have developed a highly responsive global service and support network that guarantees you prompt and accurate service, no matter where you operate. For more information please contact us today:

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