CHALLENGING REQUIREMENTS?
NO PROBLEM

More than just a simple personal role radio, Codan's Sentry-U 6160-PR offers full duplex voice, data and situational awareness communications as standard. Applying cutting edge technology to reduce operator burden and permit dynamic scaling, the Sentry-U 6160-PR uses automatic retransmission to extend range between devices. Retransmission is self-establishing with no complex programming required.

Designed with electronic warfare in mind, the Sentry-U 6160-PR uses license-free UHF bands and advanced spectrum spreading waveform technology to make the radio's signal disappear amongst background noise, combined with frequency hopping as standard to render the network almost impossible to detect or jam.

16 channel presets and 64 networks allow talkgroups to be easily created based on unit, role and hierarchy. With user-definable dual PTTs, specific talkgroups are reachable at the push of a button.

RUGGED
Designed to IP67 for water ingress and MIL-STD-810F, withstanding the toughest environments, operating in temperatures from -30°C to +60°C.

ECCM
Combining frequency hopping, Direct Sequence Spread Spectrum waveform technology and impulse transmission, the Sentry-U 6160-PR is designed to be nearly impossible to detect or jam.

ENCRYPTION
CVSD digital voice and programmable AES-128 keys ensure security from end to end. The Sentry-U 6160-PR can be emergency zeroized in seconds, leaving the radio useless to the enemy - but still able to be tracked and audio monitored by friendly forces.

COST COMPATIBLE
The Sentry-U 6160-PR uses standard AA/LR6 batteries, accepting all power formats both consumable and rechargeable. Compatibility to both military grade and civilian off-the-shelf manufacturers eliminate the ongoing consumable and spares cost to the client.

INDUSTRY LEADING SIZE & WEIGHT
At less than 12cm high and weighing less than 350g (exc. battery and antenna), the Sentry-U 6160-PR is comparable to the size and weight of three .50 calibre rounds.

OUR PROCESS
Solving challenging requirements is what we do best

ASSESS
Our technical consultants will conduct a detailed on-the-ground assessment of:
- Human needs
- Operational environment
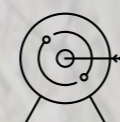- Opportunities and challenges
- Cultural context
- Scenario planning

DESIGN
Our field service team will then design a custom solution for those challenges, using the right hardware and software from Codan or one of our technology partners.
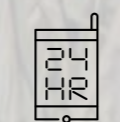
DEPLOY
Our specialist logistics team gets the hardware and the resources to wherever you are, getting your system up and running fast.

TRAIN
We'll train operators and communications staff on how to use the system – which will be a short process, thanks to our easy-to-use interfaces and interoperability.

SUPPORT
We're available to be deployed within 24 hours for any support required. And we're always on hand for any advice you require.

CODAN
COMMUNICATIONS | **BE HEARD**

CODANCOMMS.COM

CODAN SENTRY-U 6160-PR

SOLUTION

The Sentry-U 6160-PR has been designed for fast-paced combat operations, blending cutting-edge engineering with an understanding of tactical requirements.

Codan knows that in a combat situation, the operator cannot afford to take his attention from his environment even for a second to manipulate a radio. The 6160-PR incorporates a host of features and accessories to make this possible.

In-ear audio prompts
With no screen, radio operations such as channel changes, powering and battery level indicators are all audio based, allowing the operator to manipulate the radio 'blindly', with in-ear prompts giving information on the radio's status. These audio prompts are fully user definable for any language.

VOX
Vox, or voice activation, allows the operator to speak directly to members of the unit without even needing to push a button. Ultra sensitive audio detection carries communications at less than whisper level for when noise discretion is a necessity. Full duplex 'conference' operation allows members to communicate together instantly, without needing to wait for a break in channel traffic.

SWaP
Ruggedized to MIL-STD 810G but weighing 345 grams and measuring less than 12cm high, the Sentry-U 6160-PR can be carried in a pocket, magazine pouch or strapped anywhere to the operator's equipment or body, without restricting the operator's movement in any way.

Frequency hopping wireless PTT
Custom built on a client by client basis and frequency hopping to prevent any possibility of hacking, jamming or accidental triggering, wireless PTTs are assigned to a specific radio in seconds. The 2m wireless range eliminates the potential of audio cables snagging, looping or being torn during dynamic movement. The operator is able to push the PTT without ever taking his hand from the weapon.

The platoon commander's vehicle is equipped with a Sentry-U 6160-PR connected to a tactical tablet.

Full duplex voice, data and situational awareness rebroadcasted to all users allows the commander to track the GPS positions of the entire platoon, co-ordinating movements and fire sectors in real time.

PLATOON COMMANDER VEHICLE
Sentry-U 6160-PR connected to tactical tablet

SQUAD VEHICLE

SQUAD LEADER
Sentry-U 6160-PR

TEAM LEADER
Sentry-U 6160-PR

SOLDIER
Sentry-U 6160-PR

SOLDIER
Sentry-U 6160-PR

A squad leader equipped with a Sentry-U 6160-PR uses a dual wireless PTT to talk to fireteam A and fireteam B separately.

TEAM LEADER
Sentry-U 6160-PR

SOLDIER
Sentry-U 6160-PR

SOLDIER
Sentry-U 6160-PR

Troop transport and fire support vehices are equipped with mounted Sentry-U 6160s, using high gain antennas.

These allow vehicle gunners to communicate with the dismounted soldiers, and serve as automatic rebroadcast stations to link the entire platoon together.

SQUAD VEHICLE

SQUAD LEADER
Sentry-U 6160-PR

TEAM LEADER
Sentry-U 6160-PR

SOLDIER
Sentry-U 6160-PR

SOLDIER
Sentry-U 6160-PR

TEAM LEADER
Sentry-U 6160-PR

SOLDIER
Sentry-U 6160-PR

SOLDIER
Sentry-U 6160-PR

Soldiers and team leaders use voice activated communications to speak between themselves, and a wireless PTT to speak up to the squad leader.