

3031 HF CROSSPATCH™

FEATURES AT A GLANCE



- Easy to use
- Easy to install
- Compact & lightweight for mobile use
- Uses industry standards
- Rugged & reliable

Codan's 3031 HF Crosspatch™ is a practical, effective and affordable solution for extending the reach of a conventional VHF / UHF network beyond the horizon using Codan's HF transceivers.

The 3031 also enables organisations to extend existing CODAN™ HF networks with VHF / UHF hand-held radios that are carried by field operators when away from base or their vehicle.

With the 3031's unique, flexible design and straightforward user commands, organisations can extend existing HF or VHF / UHF networks into remote areas with minimal investment in new infrastructure.

EASY TO USE

The 3031 Crosspatch™ uses a straightforward set of over-the-air DTMF tones or Press-To-Talk (PTT) clicks from a VHF / UHF radio to initiate calls from a CODAN™ HF Transceiver. These calls can be used to gain assistance in an emergency or as part of normal daily communications, such as checking back to base. Alternatively, calls can be made from a CODAN™ HF Transceiver to field operators using VHF / UHF radios. With the extensive capabilities of Codan's HF Transceivers, a wide range of applications are available.

EASY TO INSTALL

CODAN™ HF Transceivers automatically enable the crosspatch functionality when a 3031 is detected. Only a single cable is required to connect the 3031 to the VHF / UHF radio. Installation and alignment does not require special tools.

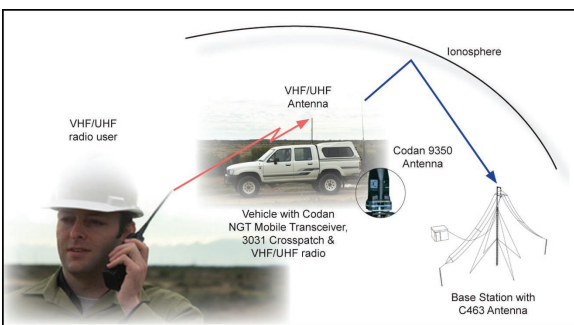
DESIGNED FOR MOBILE USE

Its compact and lightweight design makes the 3031 ideal for vehicle installations where space is limited and ruggedness is essential. It includes advanced HFCommander technology to overcome the difficulties typically experienced with traditional HF Crosspatch™ equipment.

INDUSTRY STANDARDS

The 3031 Crosspatch™ has been designed to complement any existing VHF / UHF radio network. By using industry standard DTMF signalling and a flexible VHF / UHF hardware interface, the 3031 has been designed to have the widest compatibility possible with existing VHF / UHF infrastructure.

A subset of functionality has been provided to VHF / UHF radios without DTMF capability through the use of a sequence of PTT key clicks.



RUGGED & RELIABLE

As with all CODAN™ equipment, the 3031 Crosspatch™ is a rugged, reliable, compact unit that has been designed to survive in extreme conditions, and comes with a full three year warranty.

HOW IT WORKS

The 3031 Crosspatch™ interfaces between a CODAN™ HF Transceiver and a third-party VHF / UHF FM radio.

When the 3031 is activated, audio received by one Transceiver is relayed to the other corresponding Transceiver, effectively joining the two radio networks together. When the 3031 is deactivated both Transceivers operate independently and in their normal state.

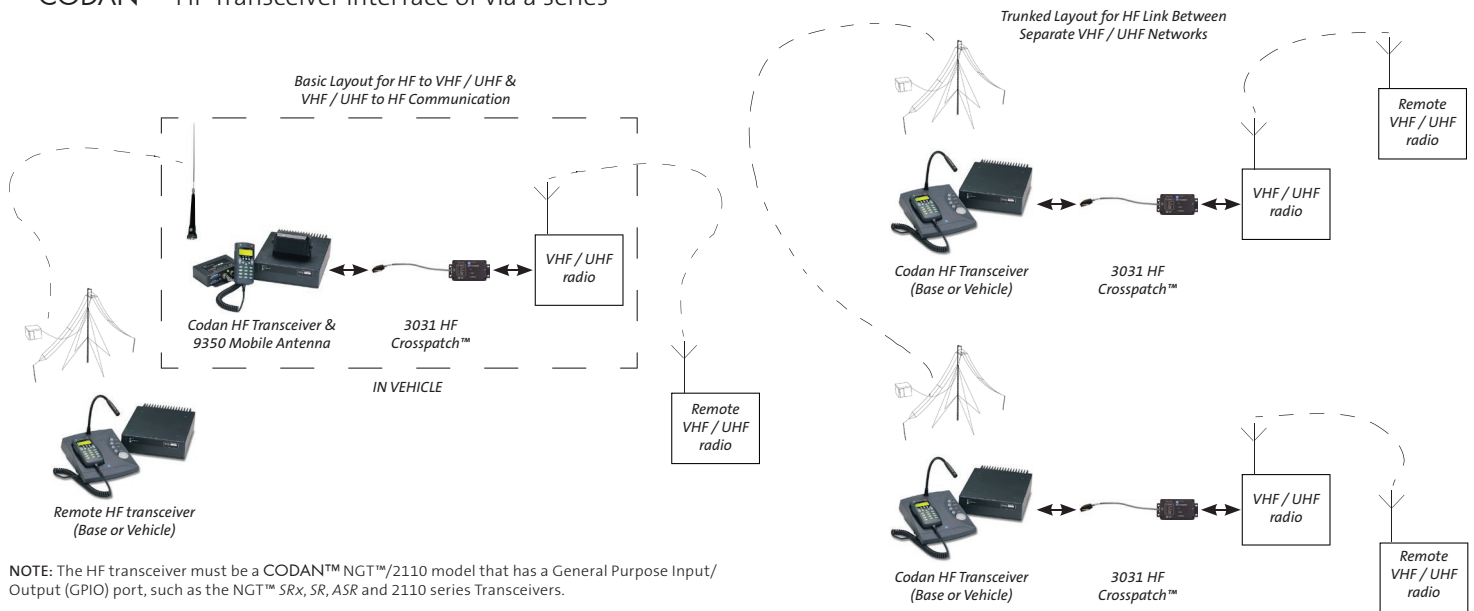
The 3031 can be enabled either from the CODAN™ HF Transceiver interface or via a series

of straightforward commands sent via a VHF / UHF radio. A user-friendly Quick Reference Sticker with user instructions is provided.

Full functionality is available with VHF / UHF radios supporting DTMF signalling. A subset of this functionality is also available for basic or older non-DTMF VHF / UHF radios.

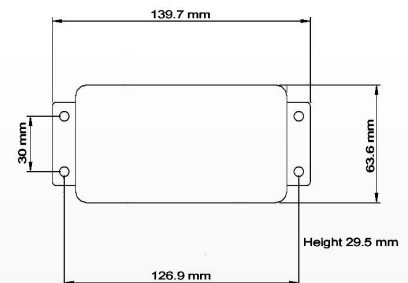
WHO CAN USE IT

The 3031 Crosspatch™ is designed for any organisation that needs to extend their current HF or VHF / UHF radio networks beyond their normal area of operation. The 3031 can be integrated into either mobile or fixed installations, enabling the greatest flexibility to match the operational requirements of any organisation.



SPECIFICATIONS

VHF / UHF Tx signal level	10 mV p-p to 3 V p-p, nominal
VHF / UHF Rx signal level	10 mV p-p to 3 V p-p, nominal 600 Ω output impedance (selectable) Balanced / unbalanced audio (selectable)
Operating voltage	9 to 16 V DC
Power consumption	Less than 100 mA (13.8 V supply)
Environment	Ambient temperature: -30 to +70°C Relative humidity: 95% non-condensing
Size	140 mm W x 65 mm D x 31 mm H
Weight	0.2 kg (0.5 lb)
Sealing	IP41



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Values noted are typical. Equipment descriptions and specifications subject to change without notice or obligation.

RADIO COMMUNICATIONS

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