



# TAIT

## Radio Communications

[www.taitworld.com/orca/](http://www.taitworld.com/orca/)

**CORPORATE HEAD OFFICE**  
NEW ZEALAND  
Tait Electronics Ltd  
P O Box 1645, Christchurch  
E-mail: [tait@taitworld.com.nz](mailto:tait@taitworld.com.nz)

**AUSTRALIA**  
Tait Electronics (Aust) Pty Ltd  
Toll Free: 1-300 304 344  
E-mail: [australia@taitworld.com](mailto:australia@taitworld.com)

**NORTH AMERICA**  
Tait North America Inc.  
Regional Head Office  
**CANADA**  
Toll Free: 1-800-890 TAIT (8248)  
E-mail: [canada@taitworld.com](mailto:canada@taitworld.com)

**USA**  
Toll Free: 1-800-890 TAIT (8248)  
E-mail: [usa@taitworld.com](mailto:usa@taitworld.com)

**LATIN AMERICA**  
Tait Latin America  
E-mail: [latinamerica@taitworld.com](mailto:latinamerica@taitworld.com)

**NEW ZEALAND**  
Tait Communications Ltd  
E-mail: [headoffice@td.tait.co.nz](mailto:headoffice@td.tait.co.nz)

**EUROPE**  
Tait Europe Ltd  
Regional Head Office  
**UNITED KINGDOM**  
E-mail: [sales@tait.co.uk](mailto:sales@tait.co.uk)

**NORTH ASIA**  
Tait North Asia  
Regional Head Office  
**HONG KONG**  
Tait Mobile Radio (Hong Kong) Ltd  
E-mail: [hongkong@taitworld.com](mailto:hongkong@taitworld.com)

**BEIJING**  
Tait Mobile Radio  
(Hong Kong) Ltd  
E-mail: [beijing@taitworld.com](mailto:beijing@taitworld.com)

**TAIWAN**  
Tait Mobile Radio  
(Taiwan) Ltd  
E-mail: [taiwan@taitworld.com](mailto:taiwan@taitworld.com)

**SOUTH EAST ASIA**  
Tait South East Asia  
Regional Head Office  
**SINGAPORE**  
Tait Electronics  
(Far East) Pte Ltd  
E-mail: [singapore@taitworld.com](mailto:singapore@taitworld.com)

**THAILAND**  
Tait Mobile Radio Ltd  
E-mail: [thailand@taitworld.com](mailto:thailand@taitworld.com)

### GENERAL SPECIFICATIONS

| Benefit                              | Conventional |           |
|--------------------------------------|--------------|-----------|
|                                      | Orca 5010    | Orca 5020 |
| Number of Channels                   | 16           | 350       |
| Number of Alphanumeric Presets       |              | 20        |
| Programmable Function Buttons        | 2            | 3         |
| Handset Operation                    | •            | •         |
| Keypad Lock                          |              | •         |
| Battery Charge Indicator             |              | •         |
| Menu System                          |              | •         |
| One Touch Call                       | •            | •         |
| Monitor Function                     | •            | •         |
| Selective Calling                    | •            | •         |
| Scanning & Voting                    | •            | •         |
| Repeater Talkaround                  | •            | •         |
| Call Queuing                         |              | •         |
| Emergency Mode                       | •            | •         |
| Power Saving Modes                   | •            | •         |
| Remote Stun and Revive               | •            | •         |
| Send and Receive Short Data Messages |              | •         |
| Data Capability (CCDI)               | •            | •         |

|                        |                                    |
|------------------------|------------------------------------|
| <b>Channel Spacing</b> | <b>Operating Temperature Range</b> |
| 12.5 kHz               | -30°C to +60°C                     |
| 20 kHz                 | -20°C to +60°C, 66-88 MHz          |
| 25 kHz                 |                                    |

|                         |                               |
|-------------------------|-------------------------------|
| <b>Frequency Ranges</b> | <b>Accessories</b>            |
| 66-88 MHz               | D-Clip                        |
| 136-174 MHz             | Belt Clips                    |
| 174-225 MHz             | Speaker Microphones           |
| 336-400 MHz             | Palm and Lapel Microphones    |
| 400-470 MHz             | Headsets                      |
| 450-530 MHz             | Desktop Charger               |
| 806-870 MHz Tx          | 6-Way Multi-charger           |
| 851-870 MHz Rx          | Leather Carry Cases           |
| 896-941 MHz Tx          | Universal Accessory Interface |
| 935-941 MHz Rx          | Full Car Kit                  |

|                          |                             |
|--------------------------|-----------------------------|
| <b>Transmitter Power</b> | <b>Battery Options</b>      |
| 1, 2.5, 5 VHF            | 1100mAh NiCd (no belt clip) |
| 1, 2.5, 4 UHF            | 1500mAh NiMH (no belt clip) |
| 1, 2, 3 800/900MHz       | 1100mAh NiCd                |
|                          | 1500mAh NiCd                |
|                          | 1500mAh NiMH                |
|                          | 2000mAh NiMH                |

Specifications are subject to change without notice and shall not form part of any contract. They are issued for guidance purposes only. For further information please check with your nearest Tait office or authorised dealer. For full details of Technical Specifications consult the service manual, or request a copy of the Technical Specifications. Tait Electronics Ltd is an ISO 9001 registered supplier. Certificate No.461.

TAIT Authorised Dealer

### ACCESSORIES



Desktop Charger



6-Way Multi-Charger



Antennas & D-Clip



Leather Carry Cases



Speaker Microphones



Full Car Kit

For a full range of Accessories, please refer to the Tait Orca Accessories brochure (BOP403-01).



## 5000 SERIES CONVENTIONAL ● TAIT ORCA

THE TAIT ORCA 5000

SERIES OF POWERFUL,  
SOPHISTICATED PORTABLE  
RADIOS ARE ESSENTIAL  
FOR ORGANISATIONS  
SERIOUS ABOUT MOBILE  
COMMUNICATIONS.

CONVENTIONAL



15

COMPLETING YOUR SOLUTION



## ● TAIT ORCA 5010 CONVENTIONAL



"WITH EXTRAORDINARY INTELLIGENCE, THE ORCA

The Tait Orca 5010 is an affordable radio packed with advanced features. This 16 channel conventional model is rugged and reliable, and very easy to use. With the Tait Orca 5010 you can control battery life by using the economy mode to reduce power consumption.

### Ease of Use

The Tait Orca 5010 has been designed for ease of use. Its sleek shape is moulded for your hand, with convenient access to the PTT. The two programmable buttons provide up to four of your most frequently used functions.

### Rugged Construction

The Tait Orca 5000 series has been designed with robustness in mind. The radio has been subjected to rigorous stress tests, and meets MIL-STD-810C, D, E as well as the dust and water ingress tests of IP 54.

### Advanced Signalling

Signalling capabilities include a selective calling function, DCS and CTCSS signalling, all as standard features.

### Channel Scanning and Voting

With the added priority scanning feature, you will never miss a call. The voting feature ensures that your Tait Orca 5010 automatically selects the strongest channel to make sure your call gets through.

### Adjustable Power Levels

The radio output has three settings. You can change the power level to low to extend battery life while in the field. High power extends the range of transmission.

### Economy Modes

The Tait Orca 5010 can operate in a choice of three economy modes to further prolong battery life.

### Emergency Mode

An emergency signal can be sent to a pre-defined person or group of people.

### Programmable Channel Spacing (12.5 / 20 / 25 kHz)

The Tait Orca 5010 has flexible channel spacing options for any situation.

### Repeater Talkaround

This gives you the flexibility to choose your communications path, either through a repeater, system or dispatcher, or directly to another portable radio user for close communications.

### Handset Operation

The Tait Orca 5010 features the popular handset mode, enabling you to hold the radio like a telephone for extra privacy or for clear communications in noisy environments.

### Nuisance Delete

You can temporarily delete busy channels from your scan group at any time to avoid nuisance traffic.



## ● TAIT ORCA 5020 CONVENTIONAL

"THE POWER, STRENGTH AND SEEMINGLY EFFORTLESS AGILITY OF THE ORCA PUTS IT IN A CLASS OF ITS OWN"



The Tait Orca 5020 provides all the benefits of the Tait Orca 5010 and many more. Offering up to 350 channels, this robust and stylish model provides all the high performance features you need in a conventional radio, right at your fingertips.

### Easy to Use Menu System

The Tait Orca 5020 is the ultimate user friendly radio, designed to meet the demands of business today. Selected features may be placed on the menu enabling you to customise the Tait Orca 5020 at any time. Some of the features include display backlighting, handset mode, economy mode and selective calling mode.

### Scrolling and Function Key

The two scrolling keys allow you to easily move through the menu system. The additional function key can be programmed with two functions of your choice, you can select your three most commonly used menu items.

### Full Keypad and Display

A simple to use keypad enables full alphanumeric dialling. A keypad lock prevents mistaken use and a personal security pin prevents unauthorised use. The backlit alphanumeric display supports single and double height characters. Other indicators inform you about modes of operation (eg. DTMF, Handset) and also scanning and transmit power. A battery status indicator tells you the capacity remaining in your battery.

### Short Data Messages

You can program the Tait Orca 5020 to send and receive short data messages of up to 32 characters, providing speedy confirmation of information.

### Selective Calling

You can call an individual or contact a group of users, or make use of the many different features Selcall offers.

### One Touch Call

Up to three calls can be programmed and activated by the touch of a button for each of the 350 channels.

### Automatic Caller Identification

The 2 x 12 character display shows you an incoming caller's name.

### Call Queuing

The Tait Orca 5020 can queue up to 15 calls for future reference and call back.

### Status Messaging

You can indicate your current status by selecting from a pre-defined list of messages (eg. on route, job done etc.).

### Scan Groups

The Tait Orca 5020 allows you to configure the groups that your radio scans.

### Channel Signalling

You can set the Tait Orca 5020 to operate with different sub-audible signalling (DCS/CTCSS). This gives you the flexibility to change the groups of users without re-programming the radio.

