



TAIT

Radio Communications

www.taitworld.com/orca/

CORPORATE HEAD OFFICE
NEW ZEALAND
Tait Electronics Ltd
P O Box 1645, Christchurch
E-mail: tait@taitworld.co.nz

AUSTRALIA
Tait Electronics (Aust) Pty Ltd
Toll Free: 1-300 304 344
E-mail: 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

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

LATIN AMERICA
Tait Latin America
E-mail: latinamerica@taitworld.com

NEW ZEALAND
Tait Communications Ltd
E-mail: headoffice@tcl.tait.co.nz

EUROPE
Tait Europe Ltd
Regional Head Office
UNITED KINGDOM
E-mail: 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

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

TAIWAN
Tait Mobile Radio
(Taiwan) Ltd
E-mail: 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

THAILAND
Tait Mobile Radio Ltd
E-mail: thailand@taitworld.com

BOP-401-02

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 (CCD)	.	.

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

Frequency Ranges	Accessories
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

Transmitter Power	Environmental	
	MIL-STD 810 C, D, E	IP54
1, 2.5, 5 VHF		
1, 2.5, 4 UHF		
1, 2, 3 800/900MHz		

Battery Options*	Typical Shift Life (hours)	
	Economy	No Economy
TOPB100 NiCD belt clip compatible	8.5	7
TOPB200 NiCD belt clip compatible	11.5	9
TOPB400 NiMH belt clip compatible	10.5	8.5
TOPB500 NiMH belt clip compatible	15	12
TOPB600 NiCD Slimline	8.5	7
TOPB700 NiMH Slimline	10.5	8.5

*Typical battery shift life based on 5:5:90 duty cycle for a new conditioned battery pack at 25°C
To select the battery for your application, please consult your Tait Dealer.

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



COMPLETING YOUR SOLUTION



● TAIT ORCA 5010
CONVENTIONAL



"WITH EXTRAORDINARY POWER AND AGILITY, TOGETHER WITH ITS REMARKABLE INTELLIGENCE, THE ORCA ENSURES MASTERY OF ITS ENVIRONMENT"

The Tait Orca 5010 is a compact, rugged, and reliable mobile radio. This 16 channel conventional model is rugged, reliable, and 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.

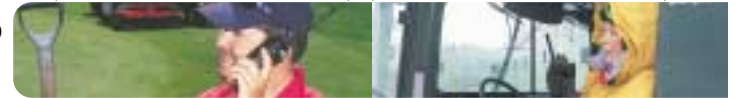
Handset Operation

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.

