

Rugged • Flexible • Dependable

Tait Orca 5000 portables

The Tait Orca 5000 series of rugged, flexible and dependable radios is packed with advanced features to meet all your portable communications needs.

- Exceeds Military Standards for robustness •
- Three power output levels •
- Three economy modes to prolong battery life •
- Programmable channel spacing (12.5kHz, 20kHz, 25kHz) •
- Repeater Talkaround for back-to-back communications •
- Telephone handset operation •





Conventional radios

Tait Orca 5010 and 5011: 16 channels

The Tait Orca 5010 and 5011 are easy-to-use, rugged and reliable conventional radio, with solid casing and sturdy channel and volume knobs, meaning they can take the hard knocks.

Advanced Signaling

Selective calling, DCS and CTCSS signaling are all standard features of the Tait Orca 5010. The Tait Orca 5011 also offers G-Star Encode and Type 99 signaling capabilities.

Channel Scanning and Voting

With priority scanning, you will never miss a call. The voting feature ensures that your Tait Orca 5010 and 5011 automatically selects the strongest channel to make sure your call gets through.

Emergency Mode

Send an emergency signal to a pre-defined person or group of people, giving you added security and safety in potentially dangerous situations.

Nuisance Delete

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

Tait Orca 5020: 350 channels

Tait Orca 5021: 100 channels

The Tait Orca 5020 and 5021 provide all the benefits of the Tait Orca 5010/5011 and many more. These radios are robust and stylish, with all the high performance features you need in a conventional radio, right at your fingertips.

Easy-to-Use Menu System

The Tait Orca 5020 and 5021 are the ultimate user-friendly radios. Customize them at any time by selecting your own features for the menu – these include display backlighting and modes such as handset, economy and selective calling.

Keypad Options

The 5021 offers a simple-to-use numeric keypad, while the 5020 keypad enables full alphanumeric dialing. Both the 5020 and 5021 offer a keypad lock to prevent you from unintentionally placing a call, and a personal security pin that prevents unauthorized use of your radio.

Advanced Display Functions

The backlit display on 5020 and 5021 radios means you can clearly view messages and information, day or night. Select indicators for modes and functions such as DTMF, handset, scanning, transmit power and battery capacity.

Lone Worker (5020 only)

When working in isolation, your welfare is critical. The Lone Worker emergency activation feature on the 5020, gives you the confidence that your safety is constantly being monitored.

Short Data Messages

Program the Tait Orca 5021 to receive, and the 5020 to send and receive short data messages of up to 32 characters, providing fast confirmation of information.

Channel Signaling

The Tait Orca 5020 and 5021 provide the advanced selective calling (Selcall) capabilities of 5-Tone and 2-Tone, as well as CTCSS and DCS. The Tait Orca 5021 also offers G-Star Encode signaling.

Selcall allows you to call an individual or an entire group, and also provides important features such as caller identity display, priority status calls and remote stun and revive.

Call Queuing

The Tait Orca 5020 and 5021 can queue up to 15 calls for future reference and call back.

Status Messaging

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

Scan Groups

Configure your radio to scan specific groups for traffic – no need to scan all channels and groups unnecessarily.

MPT 1327 trunked radios

Tait Orca 5030: No display or keypad

Tait Orca 5035: Full display, limited keypad

With pre-set calls for simple operation, the Tait Orca 5030 and 5035 are rugged, intelligent trunked portables for advanced voice communications.

Comprehensive Signaling

The Tait Orca 5030 and 5035 have the fully compliant MPT 1327 package which includes MPT 1343, ANN system and CPSX dialing.

Smart Power Saving

Battery life is prolonged by intelligent power saving functions such as Dynamic Power Control and Low Power Transmit.

Extensive Calling Options

The Tait Orca 5030 and 5035 offer a wide range of calling options such as individual, emergency, group, broadcast, status, PSTN/PABX, and interfleet calls.

Remote Stun and Revive

The radios can be stunned and revived over the air at any time if lost or stolen.

Dynamic Regrouping

This allows the dispatcher to temporarily regroup users in the field at any time – ideal for fast-changing work situations.

Multiple Networks

The Tait Orca 5035 can change networks while in the field – no need to re-program your radio.

Advanced Display Functions

The 5035's backlit alphanumeric display means you can clearly view messages and information, day or night. Select indicators for modes and functions such as DTMF, handset, transmit power and battery capacity.

Alphanumeric Preset Calls

The Tait Orca 5035 can be programmed with up to 100 alphanumeric presets, including 16 assigned to the selector knob.

Tait Orca 5040: Full display and keypad

The Tait Orca 5040 is a high-performing, easy-to-use trunked portable radio that provides all the features of the 5030 and 5035, as well as more advanced functionality.

Easy-to-Use Menu System

You can customize the Tait Orca 5040 by selecting your own features for the menu – these include display backlighting as well as handset and economy modes.

Alphanumeric Keypad

The 5040 offers a simple-to-use keypad that enables full alphanumeric dialing. Features include a keypad lock that prevents you from unintentionally placing a call, and a personal security pin that prevents unauthorized use of your radio.

Call Queuing

The Tait Orca 5040 can queue up to 20 calls for future reference and call back.

Conventional Mode

You can operate the 5040 in conventional mode if you're out of range of the trunked network or need access to a conventional network. Access up to 10 conventional channels, each programmable with CTCSS and the monitor function.



Tait Orca 5000 series specifications

	5010	5011	5020	5021	5030	5035	5040
Number of Channels	16	16	350	100	n/a	n/a	n/a
Number of Conventional Channels (MPT 1327 Trunked models only)					10	10	10
Programmable Function Buttons	2	2	3	3	2	3	3
Handset Operations	•	•	•	•	•	•	•
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 & Revive	•	•	•	•	•	•	•
Send & Receive Short Messages			•			•	•
Data Capability (CCDI)	•	•	•	•	•	•	•
G-Star Encode		•		•			
PSTN & PABX Calls					•	•	•
MPT 1327 Signaling Standards					•	•	•
Alpha Status Calls		•	•	•			
Multiple Networks						•	•
Models	Orca 5010, 5011, 5020, 5021, 5030, 5035, 5040						
Frequency Ranges	66–88MHz		806–870MHz Tx				
	136–174MHz		851–870MHz Rx				
	174–225MHz		896–941MHz Tx				
	336–400MHz		935–941MHz Rx				
	400–470MHz						
	450–530MHz						
Channel Spacing	12.5kHz, 20kHz, 25kHz						
Transmitter Power	1W, 2.5W, 5W, VHF 1W, 2.5W, 4W, UHF 1W, 2W, 3W 800/900MHz						
Operating Temperature	-22°F to +140°F (-30°C to +60°C) @ 100% duty cycle						

Environmental Standards

Standard - MIL-STD-810 F*	Method	Procedure
High Temperature	501.3	2
Low Temperature	502.3	1
Humidity	507.3	3
Blowing/Dripping Rain	506.3	1, 2
Blowing Dust	510.3	1
Vibration	514.4	1
Shock	516.4	1
Salt Fog	509.3	1

* Also meets equivalent MIL-STD C, D & E standards.

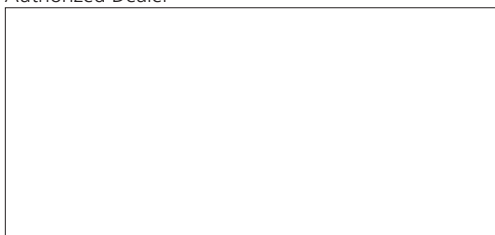
Battery Options**	Battery Type	mAh
	TOPB200 NiCd, belt clip compatible	1500 mAh
	TOPB400 NiMH, belt clip compatible	1500 mAh
	TOPB500 NiMH, belt clip compatible	2000 mAh
	TOPB800 NiMH, belt clip compatible	2300 mAh

** To find out the most appropriate battery for your application, please consult your Tait dealer.

For a full range of accessories, please refer to the Tait Orca Accessories brochure (BOP-403-92US).

The Tait Orca 5000 series is also available in IS (Intrinsically Safe) options. Please refer to the Tait Orca 5000 IS flyer (BOP-406-91US).

Authorized Dealer



Specifications are subject to change without notice and shall not form part of any contract. They are issued for guidance purposes only. Please note that not all frequency bands and power outputs are available in all markets. For further information please check with your nearest Tait office or authorized dealer.

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