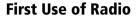




TAIT **User Guide**

Getting Started













Your Tait Orca radio has been configured for your requirements by your authorised Tait Dealer or your company administrator. Therefore, some functions will vary in operation or will not be available. The configuration information can be written onto this User Guide. For more information on trunking call functions, contact your Network Operator

Batteries

Use Tait Orca 5000 NiCd/NiMH batteries or Tait Orca Elan/Excel/Eclipse NiCd/NiMH batteries. For more information on batteries, refer to the Battery Care Guide.

IMPORTANT

Do not put Tait Orca 5000 batteries into older battery chargers. Tait Orca 5000 NiCd/NiMH batteries are ONLY for Tait Orca battery chargers with software version 2.07+.

Parts

If any parts are damaged or missing, report this to your authorised Tait dealer immediately.

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Mode

Queue:

Caller ID

Call # of #

(20 maximum)



On/Off and Volume

Standard Microphone

Back in Menu

Toggle (on/off) or Send (make call)

Alphanumeric Keypad (e.g. for Alpha-Search) Send (make call)

Manual Dialling Handset Microphone

Making Calls



microphone to speak.

Dial the number.

(5040 radios only)

(2 ABC) (3 DEF

Keypad

To make

the call.

short

press:

30782X

Standard Operation Illustration shows the

recommended method for standard operation. Use the upper microphone to speak.

Handset mode slow flash Illustration shows the recommended method for use in handset mode. Use the lower

Selector

the presets

To make

the call

short

Optional

The selector uses

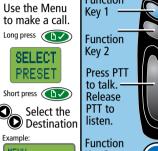
numbered 1 to 16



Function Keys Use a short press or long press to operate the function eys 1, 2, and 3. See Radio Configuration. Function

Press PTT to talk.

Release PTT to listen.





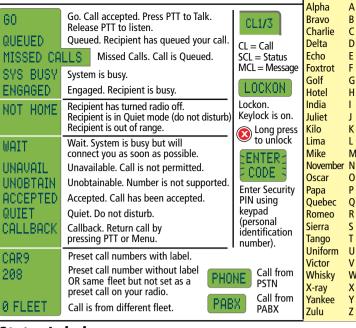
To make

press:

short

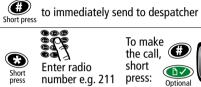


Call Information



Status Label Send a status label to a user or the despatcher (not a group)













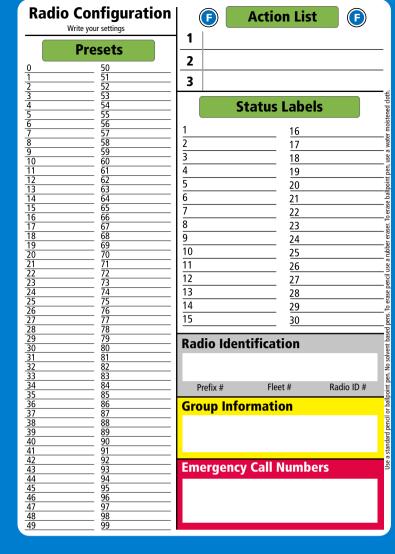




Phonetic

Alphabet



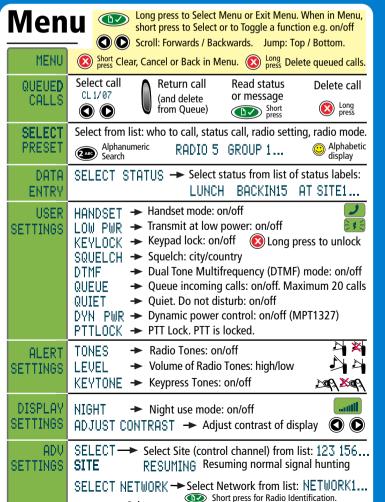




4 GHI) (5 JKL) (6MNO)

7PQRS (8 TUV) (9WXY7

◉ ◎ •



VERSION version SW VER Software MAIN DB Database

INFO → from list: HW VER Hardware CAL DB Calibration

Modes

(3) O Select the

Status Label

(2)

Dynamic Power Control MPT1327 Conventional Mode Radio to radio Automatically reduces the transmit power in high signal strength areas.

Backlighting

When you press a key, the backlighting is turned on. Turns off after 1 to 10 seconds of no activity.

Night Use mode

If on, the keypad backlighting is turned on when there is activity on the channe or if a scan group is selected. Turns off after 1 to 10 seconds of no activity.

Handset mode 🗾 Speaker volume is

reduced so that radio can be held near to the all groups on a channel. ear. Use the handset microphone.

Monitor mode

In conventional mode. listen to all traffic and

Group Calls

Groups

Broadcast Call – Group members can listen but not respond. Conference Call - Group members can

isten and respond. A user can be assigned to some groups, all groups or no groups.

Trunked – Permanent groups are set by the trunking system. Persons are assigned when the radio is configured. Temporary Groups

A user can become a member of a group temporarily by selecting the group or wher the despatcher assigns the user to a group **Group Call Limitations**

Sender has no indication of how many group members have received the call No connection acknowledgment. Need the recipient to acknowledge by voice. Radios that are off, out of range, or engaged

Group Numbering Scheme

User's have an individual ID plus membership in none, some or all of the Group IDs.



Group Types

- User Selectable Group Scan Group
- User Selectable plus Scan Group Permanent Group
- Dynamic Group
- Manual Group Select

Manual Group Select

Users can select the groups that they want to be assigned to using the 16-way selector.

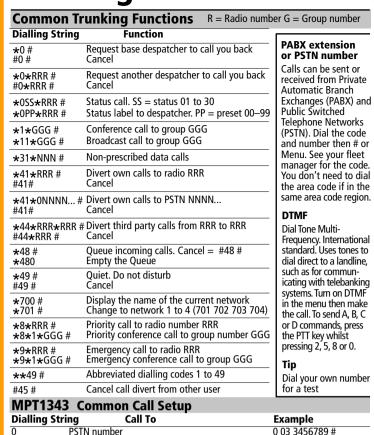
Group Select

The despatcher controls which groups the user is assigned to. This feature can be dependent or independent of the position of the 16-way selector, so that group control from the despatcher can be ignored or accepted.

Radio Configuration Write your settings	F1		F2		F3		External	
Short press is less than 1 second Long press is more than 1 second Note: Function keys use a toggle action e.g. on/off	Short Press	Long Press	Short Press	Long Press	Short Press	Long Press	1	2
Disabled								
Tones – Beep on / off								
Dynamic Power Control on / off								
Preset Call #1								
Preset Call #2								
Select Site (control channel) – 5040 only								
Clear								
Do Not Disturb (DND) on / off								
Adjust Contrast of Display ()								
Backlighting on / off								
Night Use Mode on / off								
Handset Mode on / off								
Transmit at Low Power on / off								
Monitor on / off								-
Keypad Lock on / off O Long press to unlock								
DTMF mode on / off – 5040 radio only								,
Handset Mode Volume +					Inactivity seconds =			

16-way Selector The selector uses the 10 presets . numbered 1 to 16. 12 13 14 15 16

Trunking Call Functions 5040 radio only



Radio in same fleet as you (RR)

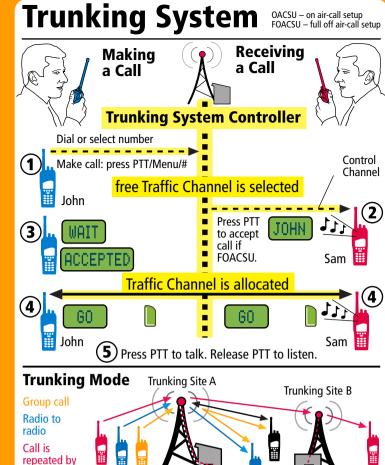
Radio in same fleet as you (RRR)

2001 to 6050 Radio in another fleet with same prefix as you

Group in same fleet as you (GG)

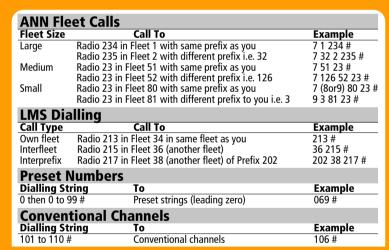
Group in same fleet as you (GGG)

Radio in another fleet with different prefix to you





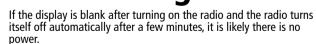




Looking after your Radio

- ◆ Your radio does not require routine maintenance. However, it is a sophisticated electronic device and should be treated with care.
- ◆ Clean the radio, accessories and charger weekly using a clean dry lint-free cloth. When cleaning, do not use solvents, detergents, alcohol, aerosol sprays or petroleum-based products.
- ◆ Clean the electrical contacts on the battery and charger weekly using a fibre glass pencil, or the graphite tip of a type 4h (#4) or harder pencil.
- Do not put the radio and accessories in fluids.
- ◆ Do not drop the radio onto hard surfaces, place it down carefully.
- ◆ Do not use if the radio, antenna or accessories are damaged.
- ◆ Repairs and modifications must only be carried out by a Tait approved dealer.
- ◆ Always have the D-Clip or protective cover installed to protect the radio from dust ingress and electrostatic discharges

Troubleshooting





Medium flash. Radio is incorrectly configured. Contact your authorised Tait dealer or your company administrator.



transmitter or

landline

Radio to

PABX/PSTN

or from

Contact your authorised Tait dealer or your company



Battery is low. Charge the battery.

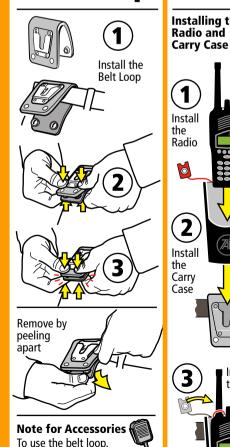


Battery is too low to operate the radio. Turn off the radio. Charge the

Checklist

- ◆ Is the radio turned on?
- Is the correct channel selected?
- ◆ Is the battery installed on the radio?
- ◆ Is the antenna damaged?
- ◆ Is the battery charger working properly?

Belt Loop

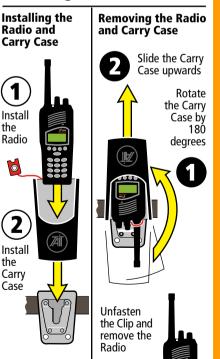


the accessory needs

For example: a lapel

the D-clip fitting.

microphone.



Carry Case

Instal

Safety Precautions

- ◆ When transmitting, hold the radio microphone 25–50mm (1–2 inches) from your mouth. ◆ When transmitting, keep the antenna at least 25mm (1 inch) from any part of your
- body, especially your face and eyes. ◆ Turn off the radio where radio waves could interfere with electronic devices.
- ◆ Turn off the radio at fuel/gas stations.
- ◆ Turn off the radio in an area where detonators/explosives are being used.
- Turn off the radio before boarding/leaving an aircraft and whilst on board an aircraft.
- Do not use the radio whilst driving vehicles or operating machinery.
- Do not use earphones or headsets at high volume levels.
- ◆ Do not transmit in frequency bands that are reserved for use by distress beacons, such as 406 to 406.1 MHz.
- Do not put the radio, battery or accessories in liquids as they will be damaged.
- ◆ Do not allow children to play with the radio; it is not a toy.

Hazardous Atmospheres

A hazardous atmosphere has the potential for fire or explosion from dusts, gases, liquids and solids. Make sure of the following in hazardous atmospheres:

- ◆ Turn off the radio, unless the radio is qualified for use in hazardous atmospheres.
- ◆ Do not replace batteries, even if the radio is qualified for use in hazardous atmospheres.
- ◆ Do not use damaged radios. If the radio was originally qualified for use in such
- environments, the radio is not qualified if it has a cracked casing.
- Do not modify the configuration of a radio that is qualified as intrinsically safe for use in hazardous atmospheres. If you do, it will not be qualified.

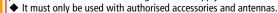
Electromagnetic Interference

Turn off your radio where radio waves could interfere with electronic devices. Some facilities use equipment that is sensitive to Electromagnetic Interference such as: hospitals, medical centres, aircraft and some industrial facilities. Only use your radio in these situations if the radio is qualified for use in such areas.

Note: The following warning applies to FCC approved radios in the 800 MHz and 900 MHz frequency bands:

FCC RF Exposure Limits

This product generates radio frequency energy during transmissions. It is classified by the FCC as suitable for general population use in an uncontrolled exposure environment. The following conditions apply to the use of this radio:



◆ Do not exceed a duty cycle ratio of 20% transmit mode to stand-by or receive modes. The radio is in transmit mode when the PTT key on the radio is pressed and the TX

Performance

To maintain the optimum performance of the radio:

Use only the supplied antenna.

20 to 89

900 to 999

- ◆ Use only the radio and accessories for their design purpose.
- Use only accessories that are approved by Tait Electronics Ltd.
- ◆ Avoid high temperatures. If the temperature exceeds 80°C (176°F) the radio will make two short high-pitched beeps and will not work. Temperatures above 90°C (194°F) cause permanent damage to the radio

To maintain the optimum performance of the battery:

- Charge the battery as soon as the radio gives the 'low battery' warning.
- Short condition the battery weekly.
- ◆ Long condition the battery only for the following reasons: on first use, if performance is poor, and after more than two weeks of storage.
- Do not charge a battery that has had little or no use.
- ◆ Do not leave charged batteries in the charger for more than a day. ◆ Turn the radio off when it is unattended for long periods.

Recycle

Recycle batteries that are of no use. Contact your authorised Tait dealer for advice.



89#

6050 RRR#

327 6050 RRR #











- ◆ Is the battery charged?