



Radio Configuration

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

on trunking call functions, contact your

onto this User Guide. For more information

Use Tait Orca 5000 NiCd/NiMH batteries or

Tait Orca Elan/Excel/Eclipse NiCd/NiMH

Do not put Tait Orca 5000 batteries into older battery chargers. Tait Orca 5000

battery chargers with software version

NiCd/NiMH batteries are ONLY for Tait Orca

If any parts are damaged or missing, report this

to your authorised Tait dealer immediately

refer to the Battery User Guide.

batteries. For more information on batteries

Getting Started

First Use of Radio





















Key 3 or Action List

Mode

Queue:

Caller ID

Call # of #

(20 maximum)

Control or

Traffic Channe

Conventional







100% Synthetic Paper: Waterproof, Strong, Chemical Resistant, Recyclable. Solvent based ink.

Batteries

IMPORTANT

2.07 +

Parts

Menu scroll keys: Backwards Forwards

> Display Clear, Cancel or Back in Menu

Menu, Select, Toggle (A/B) or Send (make call)

Alphanumeric Keypad

Send (make call) Manual Dialling Handset Microphone

Making Calls



mode. Use the lower

microphone to speak

Dial the number

(5040 radios only)

Keypad

Example

To make

the call.

short

press:

30782X

Normal mode Illustration shows the

recommended method for use in normal mode. Use the upper microphone to speak.

Handset mode Illustration shows the recommended method for use in handset

16-way

Selector

the presets

To make

the call

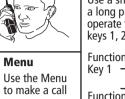
short

The selector uses

numbered 1 to 16



Menu









PRESET



Press PTT to talk.

Release PTT to listen.









Call Information

Go. Call accepted. Press PTT to Talk. Release PTT to listen QUELLED Queued. Recipient has queued your call. ENGAGED Engaged. Recipient is busy. SYS BUSY System is busy. Recipient has turned radio off Recipient is in Quiet mode (do not disturb) Recipient is out of range

Wait. System is busy but will connect you as soon as possible Unavailable. Call is not permitted. Unobtainable, Number is not supported. Accepted. Call has been accepted.

ACCEPTED Quiet. Do not disturb Callback, Return call by CALLBACK pressing PTT or Menu.

> Preset call numbers with label Preset call number without label OR same fleet but not set as a preset call on your radio Call is from different fleet Call is from PSTN Call is from PABX

Alpha Bravo CL1/3 Charlie Delta CI - Call Fcho SCI = Status Foxtrot MCL = Message Hotel Lockon. India Juliet Keylock is on. Kilo Long press to unlock Lima Mike M November CODE Oscar Pana **Enter Security** PIN using Ouebec keypad Romeo (pérsonal Sierra identification Tango number). Uniform Victor Whisky X-ray Yankee

Alphabet

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









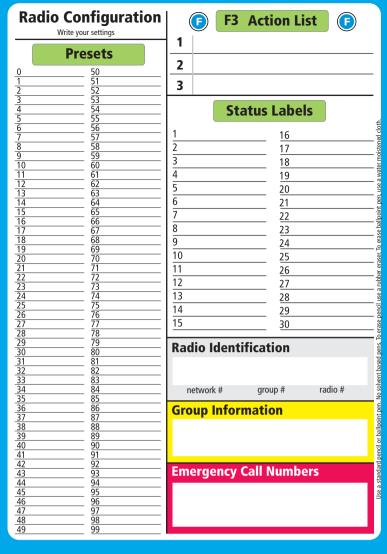


the call,

short

press:







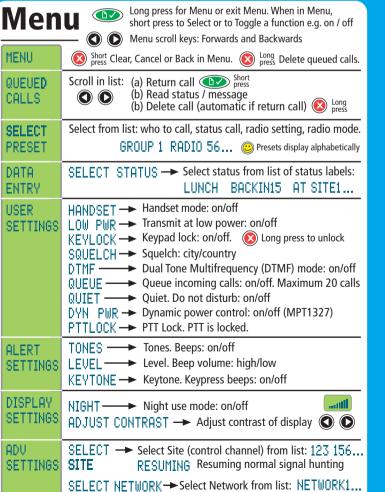
🖪 🕢 🕞 🔇

1 (2 ABC) (3 DEF)

4 GH) (5 JKL) (6MN)

7PQRS (8 TUV) (9WXYZ)

 $\odot \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$



SW VER Software MAIN DB Database

INFO → from list: HW VER Hardware CAL DB Calibration

Select

UERSION version

Modes

(3) O Select the

WAIT

UNAVAIL

JNOBTAIN

QUIET

CAR9

208

0 FLEE

PHONE

(2) 🖤

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

ENTR'

SELECT

Status Label

Backlighting

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

Niaht Use mode

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



Handset mode 🗾 LED slowly flashes red and green. Handset icon is displayed.

Monitor mode In conventional mode. listen to all traffic and all groups on a channel.

Groups

Group Calls

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.

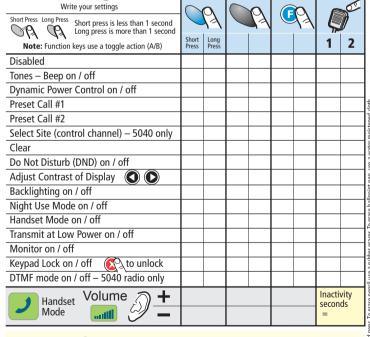


Group Types

- 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.

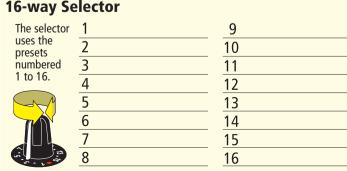


F1

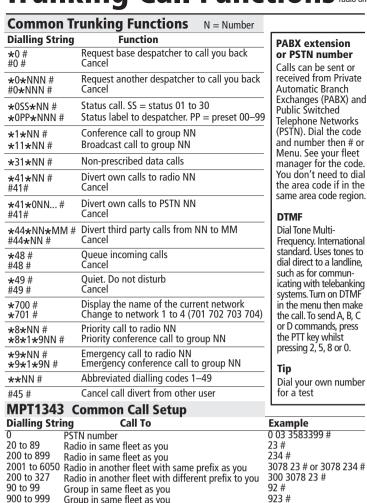
F2

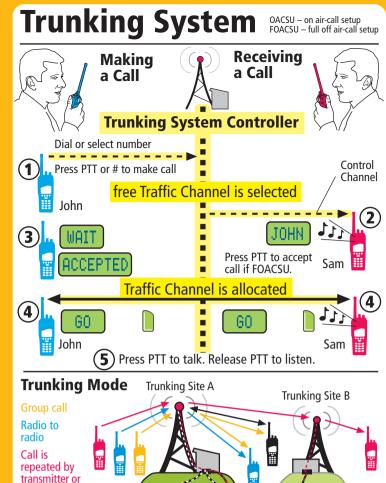
F3

Radio Configuration



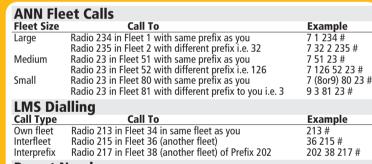
Trunking Call Functions 5040 radio only











Preset Numbers		
Dialling String	То	Example
0 then 0 to 99 #	Preset strings (leading zero)	069 #
Conventional Channels		
Dialling String	То	Example
101 to 110 #	Conventional channels	106 #

Performance

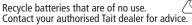
To maintain the optimum performance of the radio:

- ◆ Use only the supplied antenna.
- ◆ 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:

- ◆ Short condition the battery weekly.
- ◆ Long condition the battery only for the following conditions: on first use, if performance is poor, and after more than two weeks of storage.
- ◆ Turn the radio off when it is unattended for long periods.
- ◆ Avoid extreme temperatures as they damage the cell chemicals. The ideal temperature range is 15° to 25°C (59° to 77°F).
- ◆ Clean electrical contacts of the battery and charger weekly, using a clean dry Q-tip™ /
- ◆ Use only Tait Orca 5000 series battery chargers with software version 2.07+.

Recycle











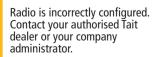
radio turns itself off

landline

Radio to

PABX/PSTN

or from



If the display is blank after

turning on the radio and the

ERROR XX

Contact your authorised Tait dealer or your company administrator

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 clean dry Q-tip[™]/cotton bud.
- 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.

Troubleshooting



Battery is low. Charge the battery



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

Checklist

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

Belt Loop

Removing

the D-clip



To use the belt loop.

the accessory needs

For example: a lapel

the D-clip fitting.

microphone.

Carry Case







Safety Precautions

It is important for your safety and the safety of others to comply with the following 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 band 406 to 406.1 MHz. This band is reserved for use by
- ◆ 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
- ◆ Turn off the radio in hazardous atmospheres as an explosion or fire could occur, unless the radio is qualified for use in such environments.
- ◆ Do not replace batteries in hazardous atmospheres as an explosion or fire could occur, even if the radio is qualified for use in such environments.
- ◆ Do not use damaged radios in hazardous atmospheres as an explosion or fire could occur. 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.

Exposure to Radio Frequency Energy

The Tait Orca 5000 series radio generates and radiates radio frequency (RF) electro-magnetic energy (EME). The Tait Orca 5000 series radio and accessories have been designed to comply with international standards and guidelines.

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. Do not use your radio in these areas unless the radio is qualified for use in such areas.