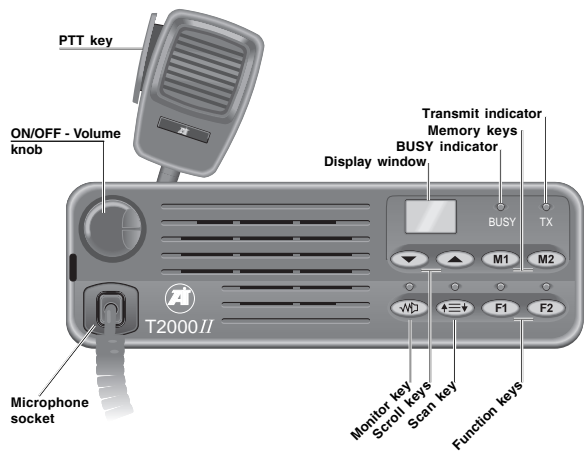




# T2065 II User's Guide



T2065 II

## Getting Started

**Introduction** The T2065 II LTR trunked mobile radio is designed to operate in conjunction with a trunked repeater site. Your T2065 II may be used to make the following types of call:

- speech calls to other radios, both in your own fleet and different fleets
- speech calls on a telephone network.

**Variation in radio setup** Your T2065 II is microprocessor controlled so that it can be customised to suit the needs of your fleet. For this reason, some features described in this guide may operate differently on your radio.

If a feature is unavailable or does not operate as described, contact your Tait dealer for further assistance.

**Switching on the radio** To switch on the radio, turn the **ON/OFF-Volume** knob to about one-third of its maximum setting.

You may need to finally adjust the volume when you receive your first call. On a trunked system, press the **Monitor** (VOLUME) key to obtain a tone that you can use to set the radio's volume.

When first switched on, the radio resumes operation on the same channel as when it was last switched off.

**Using the microphone and PTT key** The **PTT** key on the side of the microphone switches the radio between transmit and receive modes.



Press the **PTT** key to talk, release it to listen. The **TX** indicator glows when the radio is transmitting.

## Making a Call

**Checking system availability**

On a trunked system, the **BUSY** indicator illuminates when there are no free channels. On a conventional system, the **BUSY** indicator illuminates whenever the channel is busy.

**Setting up a call**

This section explains how to select a call destination and set up a call on your T2065 II.

**1** Use the **Scroll** (▲/▼) or **Memory** (M1/M2) keys to select the system and group you wish to call.

(To select systems and groups with the **Memory** (M1/M2) keys, see "Setting quick access memories".)

The display will scroll through the list of available groups and systems - the left hand character in the display window indicates the system, and the right hand character indicates the group.

**2** Press and hold the **PTT** key when the display shows the combination you want.

**3** Hold the microphone about 5cm from your mouth, pause briefly to ensure your first word is not cut off, then speak clearly into the microphone.

**4** Release the **PTT** key when you have finished talking, and your T2065 II will transmit your message to the group shown in the display window.

**Free System Ringback**

If all the channels on the selected system are busy when you attempt a call, the T2065 II will emit the System Busy tone (*beep beep*).

Hold the **PTT** key for two seconds, then replace the microphone. The T2065 II will enter Free System Ringback mode, and set up the call automatically, when a channel becomes free.

## Receiving a Call

The tones used to alert you to an incoming call may vary, depending on how your radio is programmed and the type of network you are using.

When you have received an incoming call and are free to talk, a short *beep* sounds. Lift the microphone and respond to your caller.

**Scanning for incoming calls**

Your T2065 II may be programmed to scan a preset list of groups for incoming calls. The two available scanning modes are group scan and system scan.

Check with the person who programs your radio for information about how these features are configured on your T2065 II. (See "Setting scan groups" for information about changing the groups in your scan list.)

**Group scan**

The radio scans a preset list of groups for incoming calls on the selected system. Group scan is often programmed to activate automatically on certain systems. It may also be assigned to a **Function** key (F1 or F2).

**System scan**

The radio scans a preset list of groups for calls on any system. If this option is available on your radio, press the **Scan** (◀▶) key to activate system scan.



When the **SCAN** indicator is flashing, your T2065 II is scanning. It will check for incoming calls on all the groups on your scan list.

When the **SCAN** indicator is not flashing, your T2065 II is not scanning. It will check for incoming calls only on the group and system showing on the display.



## Using Advanced Features



### Setting scanning groups





Depending on how your T2065II is programmed, you may be able to change the list of scan groups, as follows:



- 1 If the **SCAN** indicator is flashing, then your T2065II is scanning. Press the **Scan** () key to switch off scanning, before proceeding.
- 2 Select a group that you want to add to or delete from the list, and check the status of the **SCAN** indicator.  
If the indicator is glowing, the selected group is already in your scan list. If the indicator remains off, the selected group is not yet in your scan list.
- 3 Press and hold the **Scan** () key.  
If the selected group is already in your scan list, then it will be removed from the list. If the selected group is not in your scan list, then it will be added to the list.

### Setting quick access Memories

You can use the quick access **Memory** (/) keys for one-press access to the systems and groups you use most often.

Follow the steps below to preassign any system and group to one of your radio's **Memory** (/) keys.

- 1 Use the **Scroll** (/) keys to select the system and group you wish to record.
- 2 Associate a **Memory** key ( or ) with that system and group by holding the **Memory** key down for about one second.

Now that you have done this, you can switch your radio to the preprogrammed system and group simply by pressing the assigned **Memory** key ( or )





## Using Advanced Features

### Making telephone calls

To make telephone calls, your T2065II must:





- be preprogrammed for Repeater Interconnect Calls (RIC), and
- have a microphone with a telephone-style numeric keypad.

To make a telephone call :

- 1 Use the **Scroll** (/) or **Memory** (/) keys to select a system and group that has been programmed to access the telephone network.
- 2 Take the microphone off hook. Press the **PTT** key, and hold it until the **TX** indicator stops flashing.
- 3 When the **TX** indicator stops flashing, release the **PTT** key. When you hear the dial tone, use the microphone keypad to dial the telephone number you require.  
You will then hear either ringing or busy telephone tones, as with a standard telephone call.
- 4 When the other party answers, press the **PTT** key to speak, and release the **PTT** key to listen, as if you were communicating with another radio.
- 5 When your conversation is finished, end the call by pressing the **Hash** (**#**) key on the microphone keypad.

### Receiving telephone calls

To receive telephone calls, either:



- select a telephone interconnect system and group, using the **Scroll** (/) or **Memory** (/) keys, or
- ensure that a telephone interconnect system and group is programmed into your scan group, and select scan mode, as described in "Scanning for incoming calls".

## Using Advanced Features

### Monitoring conventional systems

The T2065II is equipped with mute functions that screen out weak signals and calls intended for other people.

The following table describes these mutes and how to use the **Monitor** () key to turn them on and off.

	Purpose:	To turn on or off:
<b>CTCSS DCS</b>	To eliminate signals that do not carry your fleet's identifying sub-audible tone or code.	Press the <b>Monitor</b> (  ) key briefly.
<b>RF squelch</b>	To eliminate signals that are weaker than a preset level. (Switching this off sometimes improves reception in marginal conditions.)	To turn off, press and hold the <b>Monitor</b> (  ) key until the <b>MONITOR</b> indicator flashes. Press again to restore.



### Repeater Talkaround

Repeater Talkaround is a programmable option that allows you to bypass the repeater, and transmit calls directly to the selected system and group.

Check the whether Talkaround is preprogrammed for your T2065II with the person who programs your radio.

Note that Repeater Talkaround is not available on telephone interconnect systems and groups.

### Using the Function keys

The **Function** (/) keys may have been preprogrammed to activate certain optional functions.

Check with the person who programs your radio to find out which functions these keys perform.

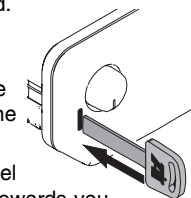
## Removing the Radio from the Vehicle

### Removing the radio from its cradle

For security, you may remove the radio from the vehicle. The radio can be released from its cradle using the special key provided.

Follow the steps below:

- 1 Switch off the radio.
- 2 Insert the cradle key into the slot beside the radio's volume control, as shown.
- 3 Holding the radio's front panel by its edges, pull the radio towards you, until it is clear of the cradle.
- 4 Reach behind the radio and disconnect the antenna and power cables.
- 5 Withdraw the radio from the cradle.



## Safety Warnings

- Do not allow any part of your body to come within 20cm of the antenna for more than a few minutes while the radio is transmitting, unless there is an intervening metal screen
- DANGER: SWITCH THE RADIO OFF AT PETROL FILLING STATIONS
- DANGER: SWITCH THE RADIO OFF IN THE VICINITY OF EXPLOSIVE DEVICES (such as in a quarry that uses blasting techniques)
- Use of a handheld microphone or a radio while driving could contravene the legislation that applies in your country or state. Please check the vehicle regulations of your own country.

