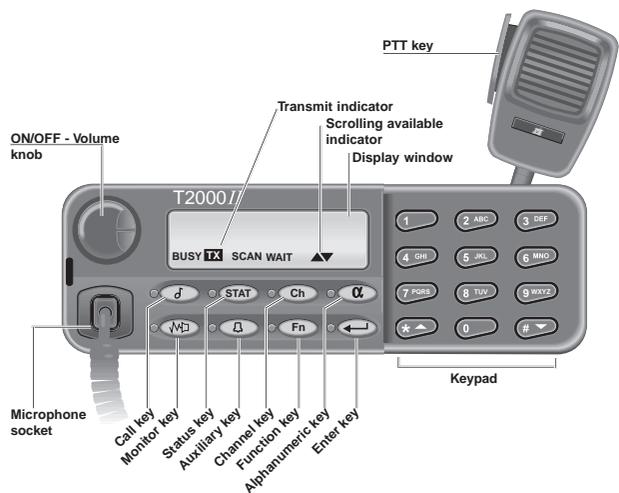




T2000 II User's Guide



T2000 II

Getting Started

Introduction Your T2000 II is controlled by a microprocessor which allows it to be configured to suit the needs of your particular fleet.

This User's guide provides only a brief description of the basic features of your radio. For information about the advanced features which may also be provided, a comprehensive operators' manual is available from your Tait dealer.

Switching on To switch the radio on, turn the **ON/OFF-Volume** knob clockwise about one-third of a turn. You may need to finally adjust the volume when you receive your first call.

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

To Check the Channel	To Change the Channel
Select channel mode.	Select a new channel by:
	<ul style="list-style-type: none"> using the scroll keys (◀ and ▶) to move through the list of available channels, or using the keypad to enter a new channel number, or using the keypad to enter an alphanumeric label (α).

Selecting a Group A group is simply a collection of channels grouped together for scanning or voting. You select a group in the same way as selecting a channel.

Making a Call

Sending a Call This section explains how to make a call using your T2000 II.

- 1 Select the appropriate channel for the party you wish to contact (see "Selecting a Channel").
- 2 Check that the channel is free of traffic by observing the **BUSY** indicator - if it is illuminated the channel is already in use and you must wait. If your radio is preprogrammed for 'off-hook monitoring' you will hear any other traffic when you lift the microphone from its clip.
- 3 Hold the microphone about 5cm from your mouth and press the **PTT** key. Pause briefly to ensure your first word is not cut off, then speak clearly, identifying yourself and the person you wish to contact by your call signs (for example "Mobile-9 to Base"). Release the **PTT** key when you have finished talking.

Using the Microphone and PTT key The **PTT** key on the side of the microphone switches the radio between transmit and receive modes. Each time the radio transmits, the **TX** indicator appears in the display.

To speak, press the **PTT** key and then release it to listen to the reply.



Transmit Timer The radio is fitted with a preprogrammed timer to limit the maximum length of transmissions. When this time limit is reached, a three tone warning is sounded and transmission stops. You must release the **PTT** key before proceeding.

Receiving a Call

To be able to receive calls on a single channel, simply check that the radio has the appropriate channel selected (see "Selecting a Channel"). To be able to receive calls on several channels, see "Scanning".

Responding to Calls Your radio remains muted until there is activity on the channel. Listen for your own call sign, and respond promptly when you hear it by pressing the **PTT** key and identifying yourself (for example "Mobile-9 Receiving").

Monitor Your T2000 II is fitted with muting facilities which ensure you are not disturbed by calls which are not clear or are not intended for you. The following table describes the muting functions and use of the **Monitor** (M) key to defeat them.

Function	To Defeat / Reactivate
CTCSS/DCS mute	Permits reception only if a call carries an inaudible tone or code specific to your fleet or group. Press the Monitor (M) key briefly. (If hookswitch monitoring is preprogrammed, lifting the microphone off hook will have the same effect.)
Selcall mute	Permits reception only if a call carries a special (audible) tone sequence which represents your identity number. Press briefly again to reactivate.
RF squelch	Permits reception only if a call has a signal above a factory-set threshold. This ensures that only intelligible signals are made audible. Hold the Monitor (M) key for more than one second. Press briefly again to reactivate.

Scanning

To have your radio monitor a number of channels for valid activity (transmissions carrying tones or codes specific to you), you can use the scanning facility in your T2020II. (This is an option which must be preprogrammed.)

Scanning

To set the radio scanning through a list of preprogrammed channels:

- 1 Ensure the microphone is in its clip ('on-hook'),
- 2 Select a group preprogrammed as a scan group (see "Selecting a Channel") and scanning will commence;

If the radio detects a channel with valid activity, it pauses there and makes the traffic audible to you. When the traffic finishes, the radio resumes scanning.

Whilst the radio is scanning, you may lift the microphone off-hook and make a call. If it is monitoring a busy channel, it will remain on that channel, otherwise it will return to its preprogrammed 'home' channel.

To stop the radio scanning:

- Select another channel.

Selcall Calls

Introduction If your T2020II is fitted with Selcall, you can make calls to specific individuals or groups on particular channels. For it to operate, your radio must be fitted with the Selcall module and preprogrammed appropriately. Each channel may be preprogrammed to provide its own Selcall identity immediately available with the **Call** (☎) key.

Sending a Selcall Call To call another party using Selcall:

- 1 Select the appropriate channel for the party you wish to contact (see "Selecting a Channel");
- 2 Check that the channel is free of traffic by observing the **BUSY** indicator;
- 3 Press the **Call** (☎) key, or
 - Dial the identity number using the keypad, or;
 - Select an alphanumeric label for the call.
- 4 When the person you call replies, lift the microphone 'off-hook' and continue with the conversation.

Receiving a Selcall Call When you receive a Selcall call, your radio alerts you with a ringing sound (similar to that of a telephone) and the **CALL** indicator appears in the display.

- To accept the call, lift the microphone 'off-hook' and identify yourself in the usual manner. The ringing stops when you press the **PTT** key.
- To reject a call, press any key other than the **PTT** and the ringing will stop.

Group Calls If your radio sounds the ringing tone only once, and the caller broadcasts their message without waiting for a reply, you have received a group call. It is not normally necessary to reply to such calls.

Alphanumeric Entry Mode

To perform repetitive operations which require several keystrokes, your T2020II may be preprogrammed with alphanumeric labels. These labels, when recalled, can perform a series of operations such as selecting a channel and sending a call.

Selecting a Sequence

To use preset sequences, select them by their label as follows:

- 1 Press the **Alphanumeric** (α) key to enter the Alphanumeric Entry mode.
- 2 Locate the desired label by using the cursor keys (← and →) to scroll through the list until the label is displayed, or enter the label for the required party, using the keypad.
- 3 Press the **Enter** (↵) key to initiate the call, select the new channel or group and so on.

Example

You want to call your base despatcher who has been assigned the label, BASE. The keystroke sequence and display might appear as follows:

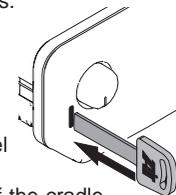
Press Key	Display Reads	Explanation
α	VEHICLE7	Most recent selection displayed
↓	✱	Label not yet identified
2 ABC	✱✱	Label not yet identified
↓	BASE	New label identified
7 POPS	24624	BASE is called and the BASE number is displayed
↵		

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 as follows:

- 1 Switch the radio off.
- 2 Insert the key in the slot beside the 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 Disconnect the antenna and other cables from the rear of the radio.
- 5 Remove the radio.



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.

