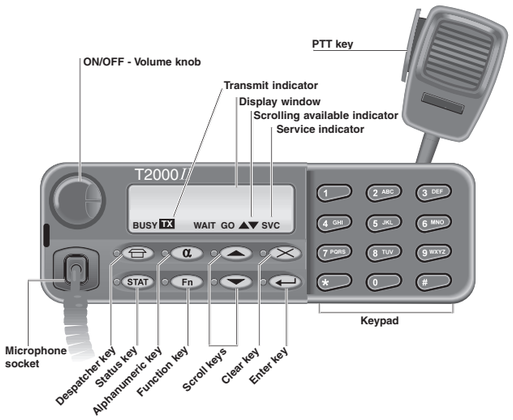
T2040II User's Guide



T2040II

Getting Started

Introduction Your T2040II is controlled by a microprocessor which allows it to be configured to suit the needs of your particular fleet.

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

Switching 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.

Checking System Availability Check to see that the **SVC** (service) indicator appears in the display within a few seconds, showing that your radio has logged on to the network.
There are three possible indications:

SVC Indicator	Meaning
Continuous	Your radio has access to a network and is ready to make or accept calls.
Blinking	Your radio does not currently have access to a network. It is attempting to find a site it is authorised to use, or it may be out of range of a network signal.
Absent	Your radio is in Conventional mode.

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.

Making a Call

Sending a Call There are four ways to make a call using your T2040II:

1 Enter the full number of the required party using the numeric keypad and then press the **Hash** (#) key to send the call.

2 Enter a two-digit short dial preset number using the numeric keypad and then press the **Hash** (#) key to send the call.

3 Use the **Despatcher** (⇔) and **Function** (Fn) keys which may each be preprogrammed to send a call directly, when you apply a long press. The **Despatcher** (⇔) key is usually preprogrammed to call your base despatcher.

4 Use an alphanumeric label to select a call identity (see "Alphanumeric Entry mode").

You may hear call setup tones followed by a ringing tone similar to that of a telephone, and the **WAIT** indicator may be displayed. When the called party answers, the **WAIT** indicator is replaced by the **GO** indicator and you may proceed with your conversation.

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. Hold the microphone about 5cm from your mouth and pause briefly to ensure your first word is not cut off, then speak clearly. Release it to listen to the reply.

Receiving a Call

When you receive a call your radio will alert you with a ringing tone like a telephone and the identity of the caller will be displayed as explained below.

Responding to Calls You may accept a call by lifting the microphone from its clip, pressing the **PTT** key and identifying yourself (for example "Mobile-9 Receiving").

If you do not want to accept the call, press the **Clear** (⊗) key and the call will be cancelled.

If the call is a group call, you will hear a single ring and then the caller will broadcast a message to all members of your group. It is not normally necessary to reply.

Caller Identification The source of an incoming call or the caller's identity is shown in the display as follows:

Display	Example	Explanation
Label	VEHICLE7	The calling party is one of your preset numbers with a label preprogrammed into your radio.
Preset Number	8	The calling party is one of your network stored preset numbers without a label preprogrammed into your radio.
Call Number	23	The calling party is in the same fleet as your radio but is not preprogrammed.
System Message	OFLT	The calling party is not in the same fleet as your radio and is not preprogrammed.
System Message	PHONE	A call from the PSTN (Public Switched Telephone Network).
System Message	PABX	A call from the PABX (Private Automatic Branch Exchange).

Call Queuing

If you need to leave your T2040II unattended, you may have it save incoming calls as call-back messages for you to return later.

Setting Queuing On

To set call queuing on and have all calls except "group, PABX and PSTN" calls queued:

- Press the **Despatcher** ( ) key until the indicator beside it illuminates.

Handling Saved Calls

When you return to your radio it displays the number of calls received and the identity of the first caller. You may:

1 Return the displayed call by pressing the **PTT** key;

2 Discard the call by pressing the **Clear** ( ) key;

3 Scroll to another message using the **Up and Down** (/) keys and handle it as above;

4 Make a new outgoing call as normal.

Cancelling Call Queuing

You may restore the radio to normal operation by pressing the **Despatcher** ( ) key again until the indicator beside it extinguishes.

The radio will now alert you normally when a call is received. If you still have calls saved in the queue, they are preserved and you may recover them at any time by turning call queuing back on.

Do Not Disturb

You may set your T2040II to reject all incoming calls whilst allowing you to make calls out normally. The radio will display QUIET and callers will be given the "unavailable" response.

- To set 'Do Not Disturb', dial *49#.
- To cancel, dial #49# or press the **Clear** ( ) key, and the QUIET message is removed from the display.

Status Calls

Status calls permit the rapid exchange of simple messages without voice conversation. Your radio can have messages such as "En route", "At lunch" and so on preprogrammed.

Sending a Status Message

To select and send a status message:

1 Press the **Status** ( ) key and use the (/) scroll keys to select an appropriate message;

2 To send the message to your despatcher, press the **Hash** ( ) key;

3 To send the message to any other party, press the **Star** ( ) key, and then:

- Dial the identity number using the keypad, or;
- Select an alphanumeric label for the call.

4 Press the **Hash** ( ) key to make the call.

Receiving a Status Message

When you receive a status call, your T2040II automatically enters the Call Queuing mode. The status message value shows on the left of the display and the caller's identity on the right. If the status message corresponds to a label which is preprogrammed into your radio, the indicator beside the **Alphanumeric** ( ) key flashes. To view the label:

- Press the **Alphanumeric** ( ) key.

Alphanumeric Entry Mode

To perform repetitive operations which require several keystrokes, your T2040II may be preprogrammed with alphanumeric labels. These labels, when recalled, can perform a series of operations such as sending a call.

Selecting a Sequence

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

1 Press the **Alphanumeric** ( ) 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 **Hash** ( ) or the **PTT** key to initiate the labelled action as it is preprogrammed.

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
	VEHICLE7	Most recent selection displayed
2 ABC	X	Label not yet identified
2 ABC	XX	Label not yet identified
7 PQRS	BASE	New label identified
# or PTT key	21	BASE is called and the BASE number is displayed

Safety Training Information

FCC RF Exposure Limits

This product generates radio frequency energy during transmissions. This device must be restricted to work-related use in an occupational/controlled exposure environment. The radio operator must have control of the exposure conditions and duration of all persons exposed to the antenna of this transmitter to satisfy FCC RF exposure compliance. This device is not approved for general population use.

- It must only be used with authorized accessories and antennas.
- The operator must ensure that the minimum safe distance of 0.34m (14 inches) between persons and the antenna is not exceeded during transmissions.
- Do not exceed a duty cycle ratio of 50% transmit mode to stand-by or receive modes. The radio is in transmit mode when the **PTT** key on the microphone is pressed and the **TX** indicator shows in the display window.

Additional Safety Warnings

- 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.

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