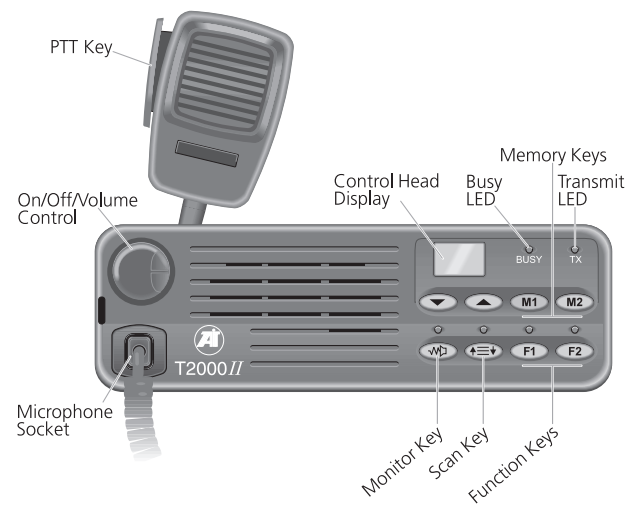


User's Guide



T2017

TAIT
T2000
MOBILES

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 0.9 m (35 inches) between persons and the antenna is maintained 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 transmit LED (light emitting diode) illuminates on the control head display.

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.



Getting Started

Variation in Radio Setup

Your T2017 mobile radio is microprocessor controlled and can be customized to suit the needs of your fleet. If the T2017 does not operate as described in this User's Guide, contact your system manager.

Powering On

Rotating the on/off/volume control clockwise turns on the radio and increases volume.

Turn on the radio and rotate the on/off/volume control clockwise, to about one third of its maximum setting. You may need to finally set the volume level when you receive your first call.

When the radio is powered on, the radio resumes operation on the same channel that was selected prior to the radio being powered off.

Selecting a Channel

The current channel is shown in the control head display. Press the and keys to scroll through the available channels, or

Press the or key to switch directly to a programmed channel or group. Memory key channels are assigned when the radio is programmed.

Making Calls

This section describes how to make a call from your T2017.

Transmitting a Call

- 1 Select a channel.
- 2 Check that the channel is clear of traffic. There is traffic on the channel if the busy LED is glowing, although the radio's squelch feature may prevent you from hearing it.
- 3 When the channel is clear, lift the microphone, press the PTT key and speak into the microphone.
- 4 Once you have finished speaking, release the PTT key.

Using the 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 transmit LED illuminates.

Making Calls (continued)

To transmit a call, press the PTT key. Once the PTT key is released, you are able to receive a reply.



Transmit Timer

The radio can be programmed with a timer to limit the length of a transmission. Three warning beeps are given when this time limit is exceeded. Release the PTT key before proceeding.

Receiving a Call

To receive calls on a single channel, ensure that the required channel is selected. To be able to receive calls on several channels, refer to the procedure in the "Scanning" section.

Responding to Calls

The radio remains muted until there is activity on the channel. To respond to a call, press the PTT key and follow protocol.

Monitor

Your T2017 radio can be programmed with muting facilities, so that the user is not disturbed by calls which are not clear or not intended for the user.

The following table describes the muting and toggling functions of the monitor key ().

Feature	Function	To Enable/Disable
CTCSS/DCS, & selective call mutes	Eliminates signals that do not carry the fleet's special signaling. Note that the monitor key may be programmed to override CTCSS/DCS or selective call mute, or both.	Press the monitor key (). (If hookswitch monitoring is programmed, lifting the microphone off the microphone clip has the same effect.) Press the monitor key to reactivate.
RF squelch	Eliminates signals that are weaker than a preset level. Turning squelch off may allow you to hear weak, but intelligible, transmissions.	Press and hold the monitor key (). Press the monitor key to reactivate.

Scanning

The scan feature is used to monitor groups of channels, searching for transmissions carrying tones or codes specifically programmed in the radio.

Scan Mode

- Scanning halts when valid traffic is detected on a channel in the scan group. Once activity ceases, the radio resumes scanning.
- While the radio is scanning, you may lift the microphone off the microphone clip and make a call. If the radio is monitoring a busy channel, it remains on that channel, otherwise it returns to the programmed home channel.

Selecting a Scan Group

- Check that the microphone is on the microphone clip (although your radio may be programmed to scan while the microphone is off the clip).
- Press the scan key (⏏) to activate scanning.
- Use the ⏏ and ⏏ keys to scroll through the available scan groups, or
Press the ⏏1 or ⏏2 key to switch directly to a programmed scan group. Memory key scan groups are assigned when the radio is programmed.
- To cancel scanning, press the scan key or select a non-scanning channel, using the memory keys.

G-STAR ID Signaling

Your T2017 can be programmed with G-STAR ID signaling. This allows individual radio users to be identified by assigning a unique G-STAR ID to each radio. This ID is sent out each time the radio transmits on a channel with G-STAR signaling assigned, and is decoded by the dispatcher, giving a visual identification of the radio in use. Your radio may be programmed to give a short beep after the G-STAR ID has been sent.

The radio must have a signaling module installed and be programmed appropriately.

5-Tone Calls

Your T2017 may be programmed for 5-tone selective calls. 5-tone calls can be made to specific individuals or groups on channels programmed with 5-tone. The radio must have a 5-tone module installed and be programmed appropriately.

Sending a 5-Tone Call

To call another party using 5-tone:

- Select a channel with 5-tone programmed.
- Check that the channel is free (busy LED off).
- Press the PTT key, or
press the function key (⏏1 or ⏏2) programmed for a preset 5-tone call.
- When a reply is received, lift the microphone off the microphone clip, press the PTT and begin speaking.

Receiving a 5-Tone Call

When a 5-tone call is received, the radio gives a ringing tone. To accept the call, lift the microphone off the microphone clip, press the PTT key and begin speaking. To reject a call, press any key other than the PTT and the ringing stops.

5-Tone Group Calls

When a 5-tone group call is received, the radio gives one ringing tone and the caller broadcasts a message. There is usually no need to respond to 5-tone group calls.

2-Tone Decoding

2-tone decoding is used to selectively call individual or groups of radios. To decode 2-tone calls, your radio must have a signaling module installed and be programmed appropriately.

Receiving a 2-Tone Call

When a 2-tone call is received, the radio gives a beep, indicating the type of 2-tone call that has been received.

- Individual call: one long beep.
- Group call: two medium beeps.
- Super group call: three short beeps.

To accept the call, lift the microphone off the microphone clip, press the PTT key, and begin speaking.

Additional Information

Emergency Mode

Your T2017 may be programmed for emergency mode. Emergency mode is activated either by a hidden switch or by giving a long press of a programmed function key (⏏1 or ⏏2). An emergency call is then sent to a predetermined location, such as the dispatcher. The radio must have either 5-tone or G-STAR signaling installed and be programmed appropriately.

- During an emergency mode, the radio switches in and out of transmit mode, so that activity around the radio can be monitored.
- The radio that receives your emergency call can transmit a code to return your radio to normal operation. Alternatively, switching the radio off and then on resets the radio.

Economy Mode

To conserve battery power, the radio may be programmed to dim or turn off the control head display and the keypad backlighting, after a preset period of inactivity.

Any valid activity on the selected channel restores the radio to full operation. The radio is also returned to full operation by pressing the PTT or any control head key.

Error Messages

If the control head display flashes either 31, 32 or 33, then an error has occurred in the radio's signaling module. Press any key to acknowledge the message and contact your local dealer for assistance.

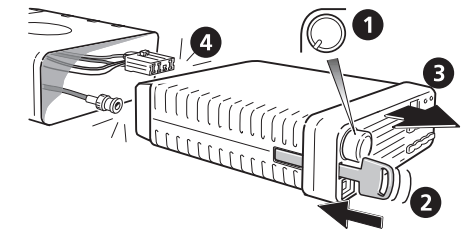
Once you have pressed a key to clear the message, you can now continue to use your radio, but without any signaling functions. These functions include 5-tone or G-STAR emergency calling, 2-tone decoding, G-STAR encoding and 5-tone operations.

Troubleshooting

If none of the control head LEDs illuminate when the radio is powered on, check all the leads, in-line fuses and connections between the battery and the radio. If this does not reveal a fault, contact your local dealer for assistance.

Removing the Radio from the Vehicle

For security, the radio may be removed from the vehicle. The radio can be released from its cradle using the special cradle key, as follows:



- Switch the radio off.
- Insert the cradle key in the slot beside the on/off/volume control.
- Holding the radio's control head by its edges, pull the radio towards you until it is clear of the cradle.
- Disconnect the antenna and other cables from the rear of the radio.
- Remove the radio.