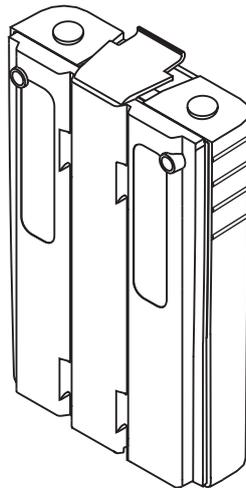


8.3 T3000 IS Accessories

The accessories in this Section have been approved by Factory Mutual for use with IS radios. The following accessories are covered in this Section:

Section	Title	Page
8.3.1	T3000-1052 IS Battery Pack	8.3.3
8.3.2	T3000-2150 IS Speaker-Microphone	8.3.5
8.3.3	T3000-4402 Selcall & DTMF Options PCB	8.3.7

8.3.1 T3000-1052 IS Battery Pack



The T3000-1052 standard IS Nickel-Cadmium (NiCd) battery pack provides a nominal 7.5V DC for the T3000 radios. Battery pack charging options include the T3001 trickle charger, the T3002 fast charger and the T3004 dual rapid charger.

For specification details of the T3000-1052 battery pack, refer to Section 1.2.

Maintenance

The T3000 IS battery pack is made with high quality matched cells and battery life can be maximised by proper maintenance procedures. The lifetime of correctly maintained NiCd batteries is typically between 12 and 18 months (400 to 600 cycles).

- **Avoid overcharging.** Do not recharge a pack that has had little or no use since its last charge. Capacity reduction will occur if the battery pack is repeatedly recharged before being fully discharged. If this pattern continues on a regular basis, the life of the battery pack will be reduced.

Note: 'Full discharge' is discharge to 6V. The 'battery low' indicator illuminates just above 6V, and at 6V the radio switches off.

- **Avoid temperature extremes.** The battery will charge and perform best at 15°C to 25°C.
- **Give the battery regular exercise.** Assuming light daily use and daily charging, discharge the pack to 6V once per week. Do this either by using the T3000 until the battery is exhausted and the radio turns itself off, or by using the T3002 fast charger. A conditioning cycle is also recommended once per month.
- **Storage:** do not store batteries connected to the radio, and fully charge batteries before storage.
- **Wipe the battery contacts clean regularly.** To ensure low electrical contact resistance when charging, wipe the contacts with a damp cloth (use water to moisten) approximately every 50 charges.

Restoring A Reduced Capacity Battery Pack

A battery pack exhibiting reduced capacity may often be restored by repeated charging and discharging to 6V. This may require 4 or more charge/discharge cycles using the T3002 fast charger or a commercial battery analyser.

Disposal Of Used NiCd Batteries



NiCd batteries contain a small amount of the metal cadmium, which can produce potentially toxic waste if it is not disposed of correctly. When no longer in use, ensure that NiCd batteries are properly disposed of. Do not burn or break the battery.

8.3.2 T3000-2150 IS Speaker-Microphone

The T3000-2150 speaker-microphone provides remote operation for all T3000 IS hand-portable radios. The speaker-microphone accessory connector clips onto the top of the radio.

Fitting & Removal

Refer to 7.5.

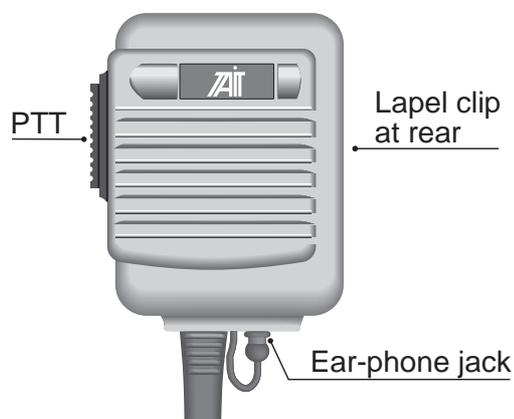
Operation

To Transmit

Hold the speaker-microphone about 15cm from the mouth.

Press the PTT key and speak clearly, in a normal voice. The transmit indicator on the radio illuminates each time the PTT is pressed.

Release the PTT key when talking has finished and the transmit indicator turns off.



To Receive

In receive mode, the microphone acts as a speaker. Adjust the volume using the Volume Adjustment (◀, ▶) keys on the radio.

Note: The earphone should be between 8Ω and 32Ω

8.3.3 T3000-4402 Selcall & DTMF Options PCB

The T3000-4402 Selcall and DTMF options PCB is a plug-in module that can be used in T3020 (Selcall and DTMF option) and T3040 (DTMF only) model IS radios.

The Selcall option allows selective individual or group calls within a fleet of radios, on channels that have Selcall programmed. Selcall parameters and features are setup and enabled during programming. Both Sigtec and International group formats are supported by the Selcall option PCB.

The DTMF option allows users to send a DTMF tone sequence, allowing access to remote devices or PSTN. DTMF mode options are setup during programming.

Refer to Section 7.8 for fitting and servicing details.

