

UT-34

TONE SQUELCH UNIT

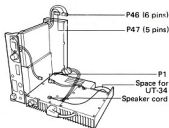
INTRODUCTION

Thank you for purchasing an optional UT-34 Tone Squelch unit. Use this unit with IC-275 and IC-475 series base transceivers for interference-free communications with other stations equipped with a Tone Squelch System.

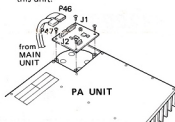
INSTALLATION

Detach the power cable and turn OFF the power switch before installing this unit.

- 1 Remove the top and bottom covers.
- 2 Unplug the connector of the speaker cord from the MAIN UNIT.
- 3 Remove the PA UNIT.



- 4 Attach this unit to the rear of the speaker.
- 5 Connect P46 (6 pins) from the MAIN UNIT to J1 (6 pins) on this unit.
- 6 Connect P47 (5 pins) from the LOGIC and FRONT UNITS to J2 (5 pins) on this unit.



- 7 Re-plug the speaker connector cord and replace the top and bottom covers.

OPERATION

The same tone frequencies of other stations must match that of the UT-34 in order for the unit to function properly.

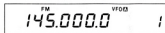
The UT-34 is equipped with a subaudible tone encoder/decoder function which allows individual programming of 37 different tones in the 67 ~ 250.3Hz range. This function also controls the squelch ON and OFF operation in the transceiver.

■ SUBAUDIBLE TONE NUMBER PROGRAMMING

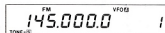


[T-SQL] [SET]

- 1 Connect the DC power cable to the transceiver, then push the POWER SWITCH ON.

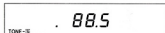


- 2 Push the [T-SQL] SWITCH. "TONE-S" appears on the FREQUENCY DISPLAY.



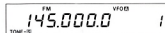
- 3 Push the [SET] SWITCH and the tone frequency appears on the DISPLAY.

Set the required tone frequency by using the TUNING CONTROL.



- 4 Push the [SET] SWITCH again.

Tone frequencies are memorized on the VFO A/B or memory channels.



- 5 Push the [T-SQL] SWITCH again, and the tone squelch will turn OFF.

■ HOW TO USE THE TONE SQUELCH SYSTEM

The transceiver squelch will be opened by signals which have the same programmed tone frequencies.

Operate the transceiver in the usual manner as explained in the transceiver instruction manual.

- 1 Set the FM mode.
- 2 Set tone frequency.

Tone frequency list [Unit: Hz]

67.0	110.9	173.8
71.9	114.8	179.9
74.4	118.8	186.2
77.0	123.0	192.8
79.7	127.3	203.5
82.5	131.8	210.7
85.4	136.5	218.1
88.5	141.3	225.7
91.5	146.2	233.6
94.8	151.4	241.8
100.0	156.7	250.3
103.5	162.2	
107.2	167.9	

- Memory channels will store tone frequencies for easy operation.
- When operating with the TONE SQUELCH unit, confirm that the station you wish to communicate with is using the same tone frequency.
- When the transceiver receives a subaudible tone, a humming sound is emitted from the speaker, opening the squelch. This humming noise is normal.

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