

WIRELESS TUNER MODULE

WTU-3800

Please follow the instructions in this manual to obtain the optimum results from this unit.
We also recommend that you keep this manual handy for future reference.

1. SAFETY PRECAUTIONS

- Be sure to read the instructions in this section carefully before use.
- Make sure to observe the instructions in this manual as the conventions of safety symbols and messages regarded as very important precautions are included.
- We also recommend you keep this instruction manual handy for future reference.

WARNING

Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquids, as doing so may result in fire or electric shock.

- The equipment shall be fed from a power supply which is in compliance with requirements of SELV circuit on the EN60950 standard.

CAUTION

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

- Do not mount the module in equipment other than those designated. It is identical to the WTU-860 and WTU-870 wireless tuner modules in shape. However, since its pin arrangement differs, it does not operate correctly when mounted in the tuner (such as the WT-860 and WT-870) other than those designated. This could also cause failures to the tuner in which the unit is mounted.

2. GENERAL DESCRIPTION

The TOA WTU-3800 Wireless Tuner Module is designed to be used in conjunction with VHF wireless equipment for vocal or speech reinforcement applications. Its built-in circuit minimizes the influence of ambient noise.

3. HANDLING PRECAUTION

Never open nor remove the unit case, as doing so may result in unit failure. Refer all servicing to your nearest TOA dealer.

4. OPERATION

Refer to the operating instructions attached to equipment to be used with the tuner module for installation and operation of the tuner module.

5. SPECIFICATIONS

Power Requirement	7 – 12 V DC
Current Consumption	100 mA
Receiving Frequency	169 – 216 MHz, VHF
Receiving System	Double superheterodyne
Receiving Sensitivity	Better than 80 dB, S/N ratio (20 dB μ V input, 40 kHz deviation)
Antenna Input Impedance	75 Ω
Diversity System	Space diversity
Channel	6 channels selectable
Squelch System	Using together of noise SQ and carrier SQ
Squelch Sensitivity	18 dB μ V
Output	0 dB* (maximum deviation, 2.2 k Ω load)
Harmonic Distortion	Less than 1%
Frequency Response	100 – 12,000 Hz, \pm 3 dB
Operating Temperature	-10 to +50°C
Finish	Steel
Dimensions	60 (w) x 25 (h) x 139 (d) mm

* 0 dB=1 V

- **Accessories**
Driver for channel
changing 1

Note : The design and specifications are subject to change without notice for improvement.