

T800BS

FM/MW/LW Stereo Hi-Fi Tuner

Operation Manual

www.teleton-electro-mitsubishi.com

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

This apparatus must be protected by 3 A fuse either in the plug/adaptor or at the distribution board.

INSTALLATION

Before using your stereo unit, read the operating instructions carefully so that you may fully understand all functions and achieve maximum enjoyment from the unit's performance.

We recommend that you retain this handbook for future reference.

Precautions

The influence of heat generated from ovens and direct radiation, etc., as well as dampness has to be avoided. The ventilation grid has to be kept clear.

Power Supply

The unit is designed for 240V 50Hz AC operation.

Antennas

MW/LW:

The unit incorporates an internal ferrite bar antenna for receiving normal MW/LW broadcasting signals. Generally no additional antennas should be required for MW/LW reception. Because of the directional properties of the ferrite antenna, reception may be improved by rotating the unit. Swing the bar antenna out for best reception.

To improve reception of weak stations, external antenna and ground connections are provided on the rear of the unit (see Fig. 1).

FM: Connect the dipole antenna to the FM terminals at the rear of the unit, and determine best antenna position and polarization (vertical or horizontal).

If you live in an area with severe FM multipath interference near steel structures, or where the FM stereo signal is noticeably more noisy, your unit may require an external antenna.

If a 75 ohm coaxial cable is used as the lead from the antenna, connect as shown in Fig. 1, Coaxial cable.

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Connections

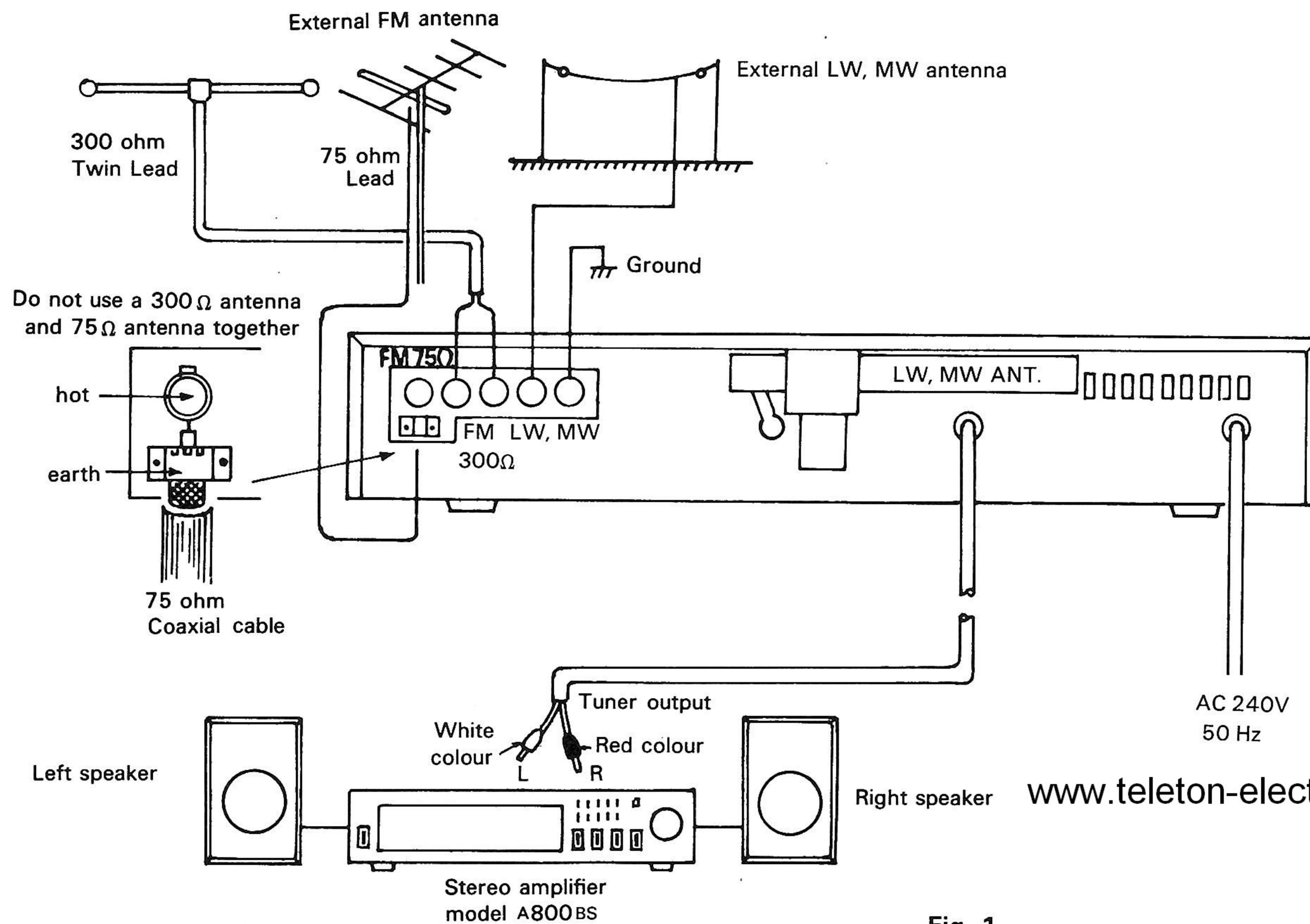


Fig. 1

Controls and Switches

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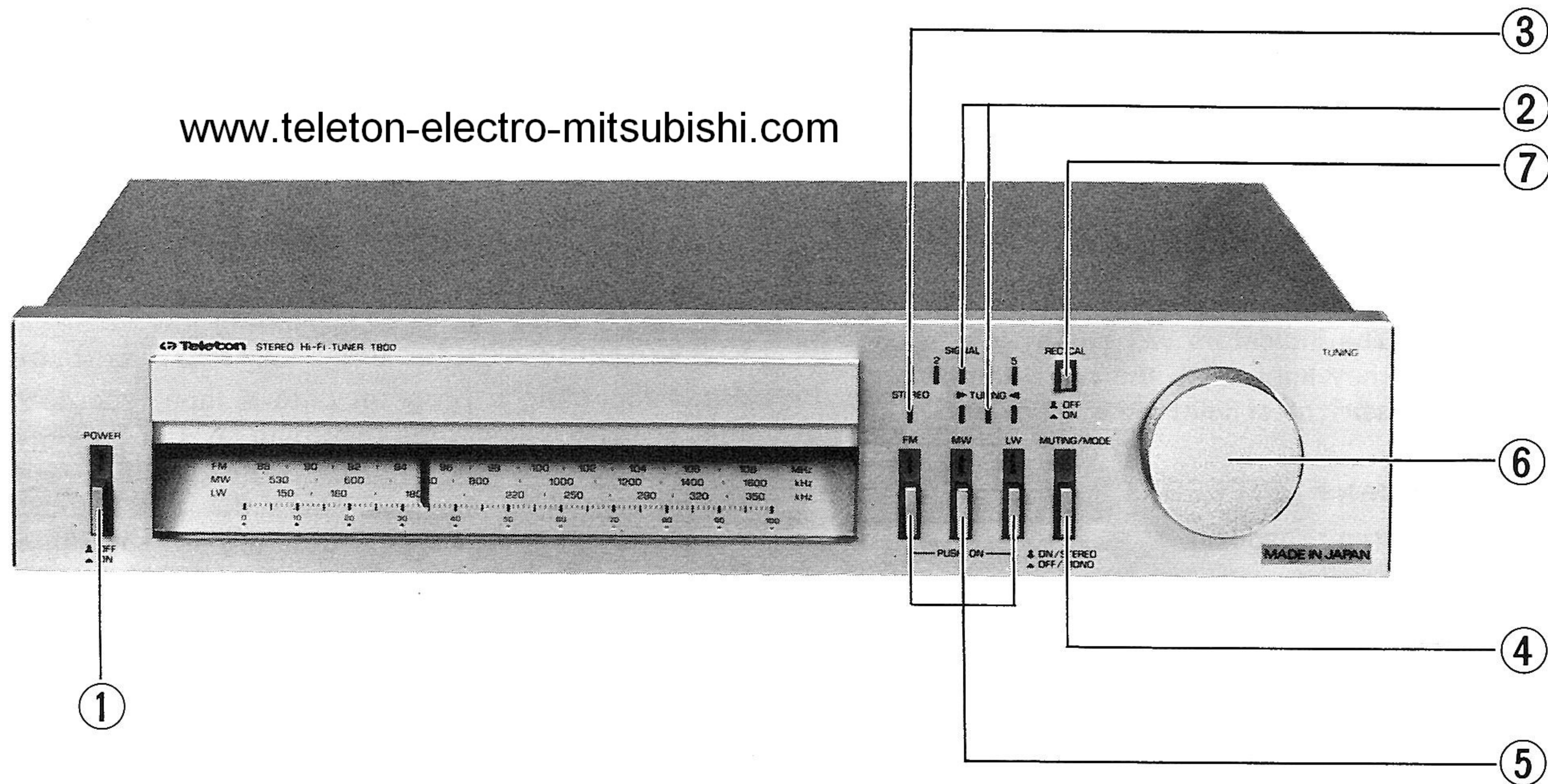


Fig. 2

Controls

1. On/Off switch (POWER)

2. TUNING Indicators

a) When receiving FM broadcasts, the three LEDs operate to indicate the optimum tuning point. The green indicator lights up at the optimum tuning point. The red indicator lights up when the station is not properly tuned and show in which direction to tune for optimum. Turn the tuning knob clockwise when the ▷ direction red indicator lights up.

Turn the tuning knob counterclockwise when the ◁ direction red indicator lights up.

b) Signal Indicators

These indicators arbitrarily calibrated from 1 to 5 are used for accurate tuning.

Turn the tuning knob to bring the arrow close to the station desired. The indicators will begin to light up, and the further they light up to the right, the better the reception. The brightest point is the optimum tuning point.

3. FM stereo indicator (STEREO)

Lights up with a stereo broadcast.

4. MODE/MUTING switch

If the FM station you have tuned is broadcasting a stereo program, the tuner will automatically switch to stereo reception and the stereo indicator lamp lights. In case the FM stereo transmission signal is weak, it might be better to override stereophonic reproduction by changing the MODE/MUTING switch to the MONO position, thus

reducing the noise.

This switch also serves as the FM muting switch, and when it is set to the ON (STEREO) position, the interstation noise between stations which are broadcasting is cut out.

5. Function selector

FM: Use this position to listen to FM radio programs.

MW: Use this position to listen to MW radio programs.

LW: Use this position to listen to LW radio programs.

6. TUNING

LW/MW/FM stations can be tuned with this control.

7. Recording calibrator (REC CAL)

When recording a program onto a tape recorder, the difficult thing is to set the recording level. If the material is recorded at a low level, the signal-to-noise ratio will deteriorate during playback, and if the level is too high, the sound will appear distorted during playback.

Before proceeding to record, set this switch to ON and supply the output signal of the audio oscillator which is built-in to this tuner model. Once the VU meter (or level indicator) of the tape recorder is set (by rotating the recording level controls on the tape recorder) to the 0 dB position (Dolby level) with this signal level, it will be possible to record FM broadcasts at the optimum level. After this adjustment, set the switch to the OFF position.

Hints on Care

Note:

Please disconnect the set from the mains before cleaning.
To clean the cabinet and front panel wipe over with a moist (not wet) cloth.
Do not use alcohol, paint, thinner, aerosol, sprays or other solvents for cleaning the cabinet.

Specifications

Bands:	LW: 145 kHz — 355 kHz MW: 510 kHz — 1630 kHz FM: 87.4 MHz — 108.5 MHz
FM sensitivity mono:	1 μ V (for 26 dB S/N at 40 kHz deviation 75 ohm)
Frequency response:	40 Hz — 12.5 kHz (± 3 dB)
Distortion:	0.2% (at 75 kHz deviation)
Signal to noise:	60 dB (weighted) 55 dB (unweighted)
Muting sensitivity:	< 20 μ V
Stereo indicator sensitivity:	< 20 μ V
Channel separation:	40 dB (250 Hz — 6.3 kHz) 30 dB (6.3 kHz — 12.5 kHz)
Antenna impedance:	300 Ω /75 Ω
Output impedance:	< 47 k Ω
Output voltage:	0.5 V (on 470 k Ω , 100 pF for 40 kHz deviation)
MW sensitivity:	< 400 μ V/m (for 26 dB S/N at 30 % modulation)
LW sensitivity:	< 800 μ V/m (for 26 dB S/N at 30 % modulation)
Power supply:	AC 240 V, 50 Hz, 12 Watts max.
Dimensions:	402 (W) \times 78 (H) \times 250 (D) mm
Weight:	3.8 kg



- United Kingdom:** **TELETON ELECTRO (U.K.) CO., LTD.**
Somerton Works, Prince Avenue, Westcliff-on-Sea, Essex, SSO OHU.
Tel. 0702 337681 Tlx. 99338
- F.R. Germany:** **GENERAL CORPORATION JAPAN (Euro) GmbH**
Werftstraße 20, 4000 Düsseldorf 11 Tel. 0211-50 47 021 Tlx. 8 588 366
- The Netherlands:** **GENERAL CORPORATION JAPAN (NL) B.V.**
Marconiweg 10. 4124 PD Hagestein (Vianen) Tel. 03 473-37 44 Tlx. 40 581
- Distributors**
- Switzerland:** **Allelectric AG**
Gartenstr. 12, 5600 Lenzburg Tel. 064 51 6951 Tlx. 68 208
- France:** **TELECTRODIS S.A.**
21, rue Paul-Lafargue, 94270 Le Kremlin-Bicêtre Tel. 6 77-69-34 Tlx. 20 44 68
- Spain:** **HiFi Audio S.A.**
Manigue 50 barcelona-27 Tel. (93) 3400800 Tlx. 97589
- Portugal:** **Telvi Sociedade Electrica Lda**
Praca de velasques, 293-Galeria, 4003 Porto. Tel. 497153
- Malta:** **C. Petroni and sons, Ltd.**
Testaferrata street, Msida Tel. 34874
- Finland:** **Kesko OY**
Rautaryhma, Satamakatu 3
SF 00161 Helsinki 16, Finland Tel. 1622273 Tlx. 124748
- Norway:** **A/S ANTRAD**
Adr. Strandgt. 207, 5011 Nordnes Tel. (05) 23 3748 Tlx. 42749