

ROTEL

INSTRUCTION MANUAL



Model **FAX-88A**

**SOLID STATE
AM FM MULTIPLEX STEREO RECEIVER
WITH MATCHING SPEAKER SYSTEM**

ROLAND ELECTRONICS CO., LTD.

TOKYO, JAPAN

FEATURES

THE ALL TRANSISTORIZED FAX-88A IS A COMPLETE HIGH FIDELITY STEREO CENTER WITH MATCHING FULL-RANGE HIGH-COMPLIANCE SPEAKERS. HAS SUCH QUALITY FEATURES AS, 40 WATTS PEAK MUSIC POWER, BASS AND TREBLE TONE CONTROLS, STEREO BEAM INDICATOR LIGHT, TUNING METER FOR SELECTIVE TUNING, PHONO (MAGNET AND CRYSTAL) AND TAPE INPUTS, AND TAPE OUTPUT FOR OFF-THE-AIR RECORDING.

INSTALLATION

IMPORTANT:

Do not apply power to this unit without making sure both speakers are connected. Failure to do so may result in damage to the unit.

INSTALLATION:

Before attempting to operate the Model FAX-88A, please read the following instructions carefully. Only after all necessary connections are made, should the power be applied.

ANTENNA:

FM ANTENNA:

Because of the excellent sensitivity of the FAX-88A, an ordinary piece of wire 48 inches in length will act as a suitable FM antenna in most locations. In difficult reception areas, however, it is recommended that an outside antenna be used. When using the outside antenna, connect one wire to "FM" and the other wire to "G" at the antenna input located on the rear of the unit.

AM ANTENNA:

While the FAX-88A contains a built in Loop Stick antenna, AM reception can be improved by adding a short piece of wire to the "AM" antenna input terminal.

INPUT CONNECTIONS:

PHONO INPUT:

Low level Phono Inputs — Inputs from a magnetic or variable reluctance (constant velocity type) cartridge should be connected to the jacks designated MAG.

High level Phono Inputs — Inputs from "Constant-Amplitude" phono cartridge, such as crystal and ceramic types should be connected to the jacks designated XTAL.

TAPE INPUT:

When it is desired to play back a tape recording through the FAX-88A and its speakers, connect the output lead of the tape unit to the jack marked TAPE.

OUTPUT CONNECTIONS:

TAPE OUT:

Using shielded cable, connecting the output from these two jacks to the tuner input jacks of your tape recorder, will allow simultaneous recording without interference to your listening pleasure.

SPEAKER OUTPUT:

Using the speaker cables supplied with the unit, connect the output from these jacks to the input jacks located on the rear of the companion speakers.

FUSE:

The FAX-88A has a fuse in the secondary circuit to prevent damage of transistors. The value of the fuse is 1 ampere. In the event of its failure, this fuse should be replaced with one of the same rating.

OPERATION

After all connections have been made as covered in the preceding instructions, Power may be applied by turning the Loudness Switch.

LISTENING TO PHONO:

Push the "PHONO" input button. The Bass and Treble Tone controls setting would depend on personal preference. Adjust the BALANCE control to obtain proper balance of the speakers.

AM RECEPTION:

Push the "AM" input button. Adjust the tuning knob to the desired station. Maximum signal strength is obtained at the maximum deflection of the TUNING METER.

FM RECEPTION:

Push the "FM" input button. Tune to the desired station noting the Tuning Meter as stated above.

FM STEREO RECEPTION (MULTIPLEX)

Push the "FM STEREO" input button. As you tune across the dial, the small red Stereo Indicator light will light when an FM Station broadcasting Multiplex Stereo is obtained. Adjust the dial for maximum signal strength, as indicated by the Tuning Meter. Adjust Balance Control for proper balance of speakers.

MAKING TAPE RECORDINGS:

To make off-the-air recordings, push the AM, FM, FM Stereo, or PHONO input button, depending upon the source to be recorded. The volume and tone controls do not effect the signal at the tape input jacks and may be changed as desired without effecting the recording being made.

PLAYBACK OF RECORDINGS:

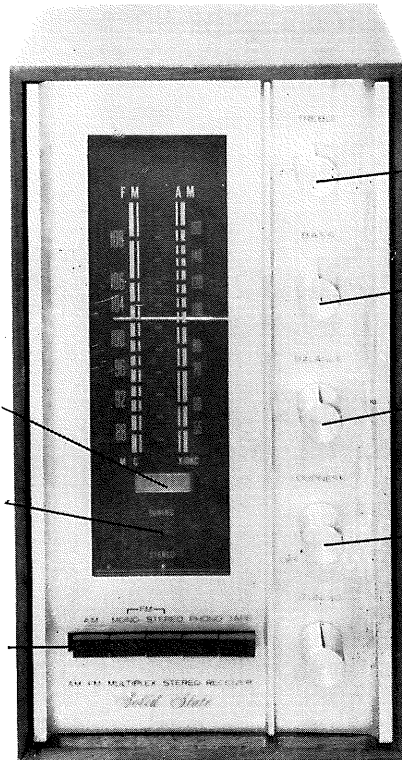
Push the "Tape" input button. The volume, tone and balance controls may be adjusted for personal preference.

CONTROLS AND THEIR FUNCTIONS

TUNING METER
For best reception adjust the tuning dial so that you get the maximum deflection of the meter.

STEREO INDICATOR
Lights up when tuned to an FM stereo broadcast.

SELECTOR
This input selector switch allows you to select whatever program source you wish to hear.



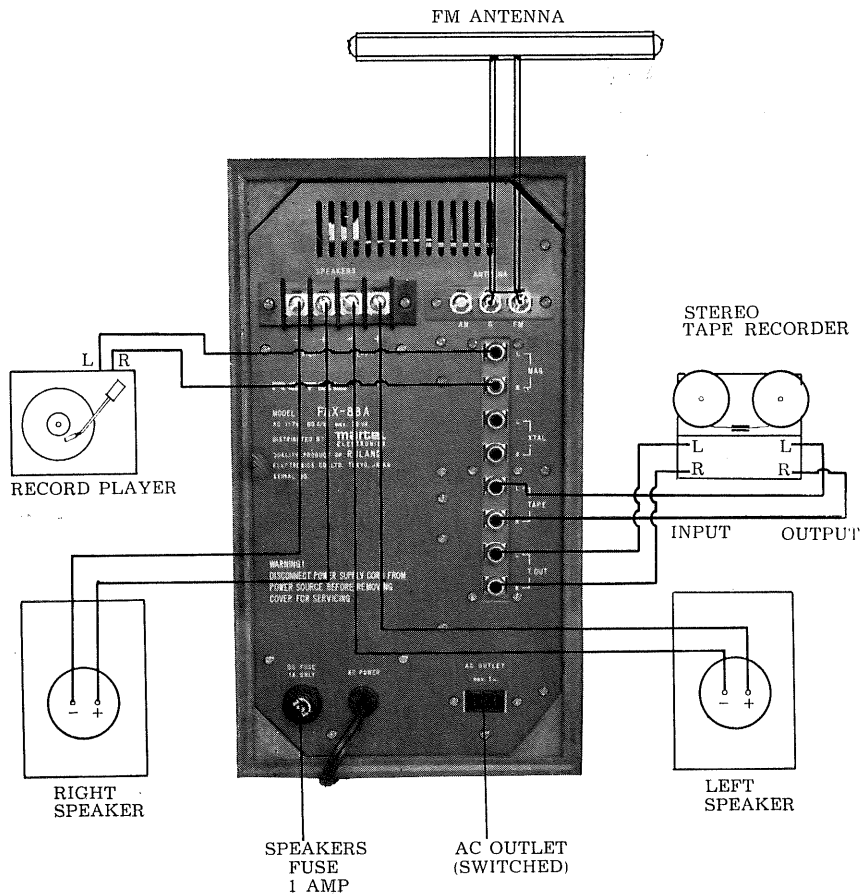
TREBLE
Modifies high frequency sounds. Set to suit your taste.

BASS
Modifies low frequency sounds. Set to suit your taste.

BALANCE
To make one speaker louder than the other. Permits you to adjust for unequal sounds caused by room acoustics or faulty program source.

LOUDNESS
Makes system louder or softer to suit your taste.

INTERCONNECTING DIAGRAM



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Manufactured by ROLAND ELECTRONICS CO., LTD. TOKYO, JAPAN

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