

ONKYO T-425AT

ONKYO Integra T-425AT FM/AM Stereo Tuner User Manual

Model: T-425AT | Brand: ONKYO

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1. INTRODUCTION

Thank you for purchasing the ONKYO Integra T-425AT FM/AM Stereo Tuner. This manual provides essential information for the proper setup, operation, and maintenance of your tuner. Please read this manual thoroughly before using the unit and keep it for future reference.

The Integra T-425AT features a proprietary front-end for enhanced FM/AM stereo tuner reception and utilizes a quartz synthesizer method, improving sensitivity, selectivity, and stability. It also includes an APR system for automatic IF band switching and various timer functions.

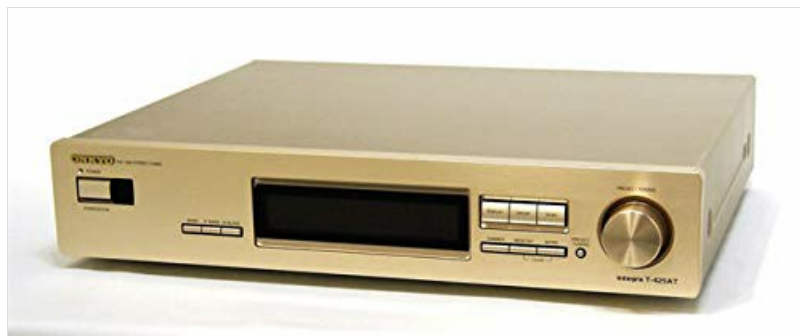


Image 1: Front view of the ONKYO Integra T-425AT FM/AM Stereo Tuner. This image shows the gold-colored unit with its display and control buttons.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following precautions:

- **Power Source:** Connect the unit only to an AC outlet of the voltage specified on the rear panel.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings. Avoid placing the unit on carpets or near heat sources.

- **Water and Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Foreign Objects:** Do not insert any objects into the unit's openings.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the unit on a stable, level surface. Avoid locations with excessive vibration, direct sunlight, or extreme temperatures.

3. SETUP

3.1 Unpacking

Carefully remove the tuner from its packaging. Retain the packaging materials for future transport or storage.

3.2 Connections

Before making any connections, ensure the unit and all connected components are powered off and unplugged from the AC outlet.

- **FM Antenna Connection:** Connect an external FM antenna to the FM ANTENNA input terminal. For optimal FM reception, a proper outdoor antenna is recommended.
- **AM Antenna Connection:** Connect the supplied AM loop antenna to the AM ANTENNA input terminals. Position the loop antenna away from the main unit and other electronic devices for best reception.
- **Audio Output Connection:** Connect the AUDIO OUT terminals of the T-425AT to an available audio input (e.g., "Tuner" or "Aux") on your amplifier or receiver using RCA audio cables.
- **AC Power Connection:** After all other connections are made, plug the unit's power cord into a suitable AC outlet.
- **AC Outlets (Switched):** The unit features 3 switched AC outlets. You can connect other audio components to these outlets. Their power will turn ON/OFF in conjunction with the T-425AT's power switch. Ensure the total power consumption of connected devices does not exceed the specified limit.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press the **POWER** button on the front panel to turn the unit ON or OFF. When the unit is ON, the display will illuminate.

4.2 Selecting FM/AM Band

Press the **FM/AM** button to switch between FM and AM reception bands.

4.3 Tuning to Stations

- **Manual Tuning:** Use the **TUNING UP/DOWN** buttons to manually adjust the frequency.
- **Automatic Tuning:** Press and hold the **TUNING UP/DOWN** buttons for a few seconds. The tuner will automatically scan for the next available station.

4.4 Preset Stations

The T-425AT allows memory storage of up to 40 FM/AM stations combined.

1. **Storing a Preset:**

- Tune to the desired station.
- Press the **MEMORY** button. The preset number will flash.
- Use the **PRESET UP/DOWN** buttons to select the desired preset number (1-40).
- Press **MEMORY** again to confirm.

2. Recalling a Preset:

- Press the **PRESET UP/DOWN** buttons to cycle through stored stations.

3. **Naming Presets:** You can store up to 8 alphanumeric characters for preset channels. Refer to the detailed manual for specific instructions on character input.

4.5 APR System (Automatic Precision Reception)

The APR system automatically switches IF (Intermediate Frequency) bands according to FM reception conditions. This optimizes reception quality by selecting a wider band for strong signals and a narrower band for weak or noisy signals, improving clarity and reducing interference.

4.6 Timer Functions

The unit is equipped with four weekly timer systems: Weekday, Weekend, One-shot, and Sleep. These timers enable functions such as alarm playback and unattended recording.

- **Weekday/Weekend Timer:** Set the unit to turn ON/OFF at specific times on weekdays or weekends. Useful for daily listening or recording schedules.
- **One-shot Timer:** A single-event timer for a specific ON/OFF time.
- **Sleep Timer:** Set the unit to automatically turn OFF after a specified duration, allowing you to fall asleep to music.

Refer to the full instruction manual for detailed programming steps for each timer function.

5. MAINTENANCE

5.1 Cleaning the Unit

To clean the exterior of the unit, use a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water or a mild, non-abrasive cleaner. Do not use strong chemicals, solvents, or abrasive cleaning pads, as these can damage the finish.

- Always unplug the unit from the AC outlet before cleaning.
- Do not spray cleaning liquids directly onto the unit.

5.2 Storage

If you plan to store the unit for an extended period, disconnect it from the power supply and all connected components. Store it in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to use the original packaging for protection.

6. TROUBLESHOOTING

If you experience problems with your ONKYO Integra T-425AT, please consult the following table before contacting service personnel.

Problem	Possible Cause	Solution
No power	Power cord not securely plugged in.	Check power cord connection to the unit and AC outlet.
No sound	Audio cables not connected correctly. Amplifier/receiver input not selected correctly. Volume on amplifier/receiver is too low.	Ensure audio cables are firmly connected to both the tuner and amplifier. Select the correct input on your amplifier/receiver. Increase the volume on your amplifier/receiver.
Poor FM reception / Static	Antenna not connected or poorly positioned. Weak signal. Interference from other electronic devices.	Connect or reposition the FM antenna for better signal. Consider using a higher-gain outdoor antenna. Move the tuner away from other electronics.
Poor AM reception / No AM reception	AM loop antenna not connected or poorly positioned. Strong local interference. Internal component issue (as noted in some user reviews).	Connect and carefully position the AM loop antenna away from the main unit and other electronics. Try rotating the AM loop antenna for better signal. If AM reception remains problematic despite proper antenna connection and positioning, and other functions work, it may indicate a specific issue with the AM tuner section. Contact customer support if this persists.
Timer not working	Timer not set correctly.	Review the timer setting instructions in the manual and ensure all parameters (time, day, ON/OFF) are correctly configured.

7. SPECIFICATIONS

Feature	Description
Model Type	FM/AM Stereo Tuner
FM Usable Sensitivity	0.8 μ V (75 Ω , 9.3dBf)
FM Distortion (400Hz)	Mono: 0.08%, Stereo: 0.15%
FM S/N Ratio	Mono: 85dB, Stereo: 77dB
AC Outlets	3 systems (switched, linked to power switch)
Dimensions (W×H×D)	435mm × 91mm × 373mm
Weight	5.1 kg

Feature	Description
Tuner Technology	AM, FM (Quartz Synthesizer)
Preset Memory	Up to 40 FM/AM stations
Timer Functions	Weekday, Weekend, One-shot, Sleep

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official ONKYO website. Keep your purchase receipt as proof of purchase for warranty claims.

If you encounter issues not covered in the troubleshooting section, or require further assistance, please contact ONKYO customer service.