

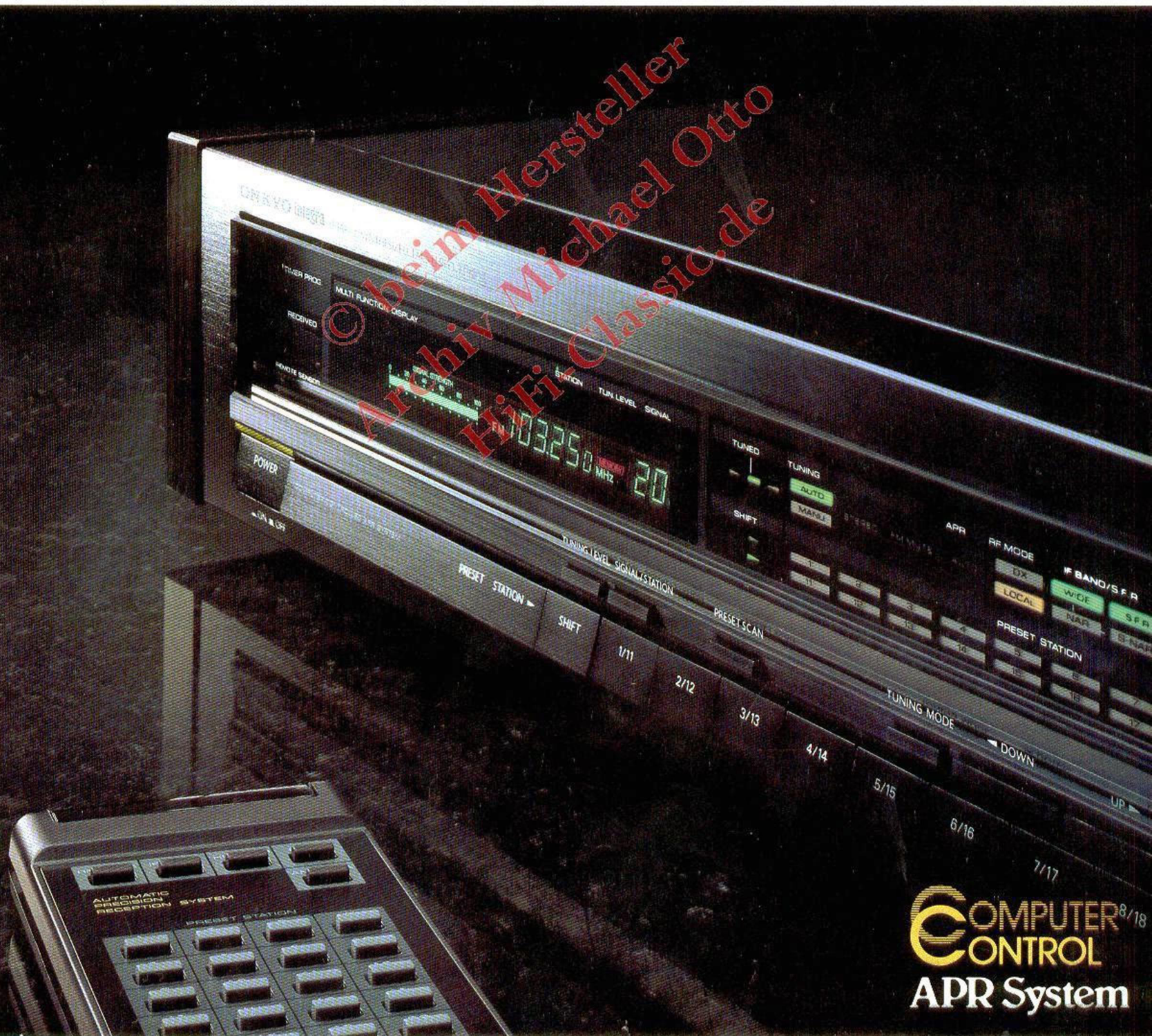
Artistry in Sound

ONKYO[®]

FM Tuner

Integra

T-9090 II



COMPUTER CONTROL^{8/18}
APR System

Integra

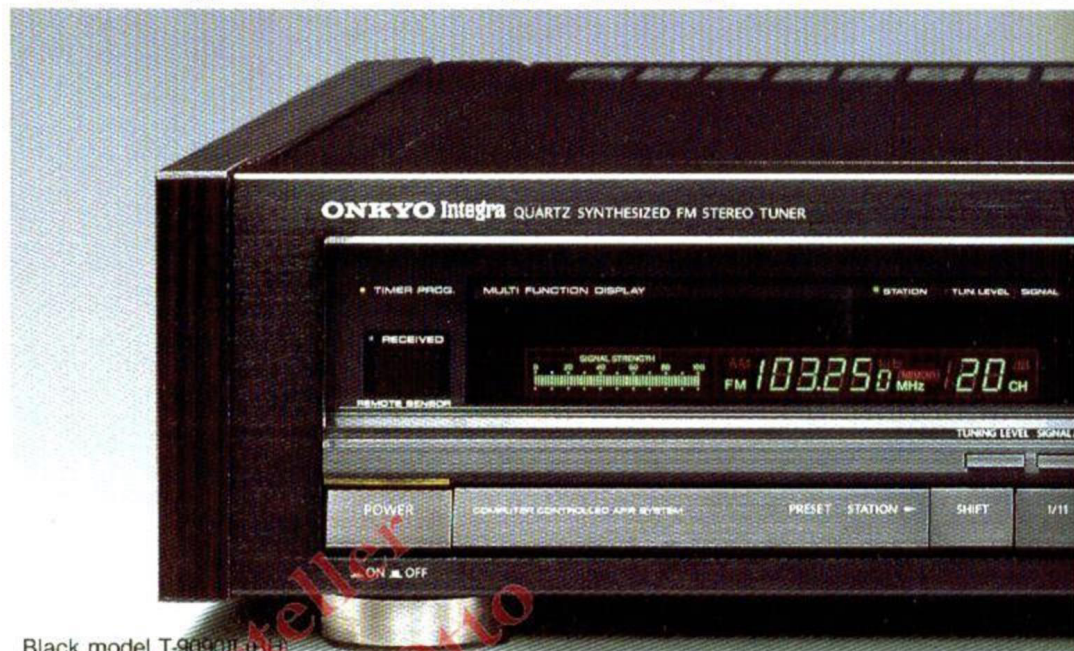
The Integra Series Sound
Onkyo's Integra series of hi-fi components is dedicated to a simple yet elusive goal: the accurate recreation of the full sonic impact of a live performance with all its immediacy and excitement. The T-9090II epitomizes this dedication. A worthy addition to the Integra line, this FM-only tuner sets a new world standard in FM reception and operating convenience. Nothing less would be enough; nothing less would be Integra.

Integra Computer-Controlled FM Tuner

T-9090 II

COMPUTER CONTROL

AP



Black model T-9090II (FH)

Computer-Controlled Five-Mode APR (Automatic Precision Reception) System
The five-mode APR system in the T-9090II monitors the quality of the FM broadcast being received and automatically sets a total of five reception modes (antenna (A/B), RF mode (DX/local), IF bandwidth (wide/narrow/S-narrow), hi-blend (on/off) and mode (stereo/mono). APR provides optimum FM quality with computer controlled accuracy and convenience. All modes can be changed either manually or by remote control if necessary. You can even preset them in memory.

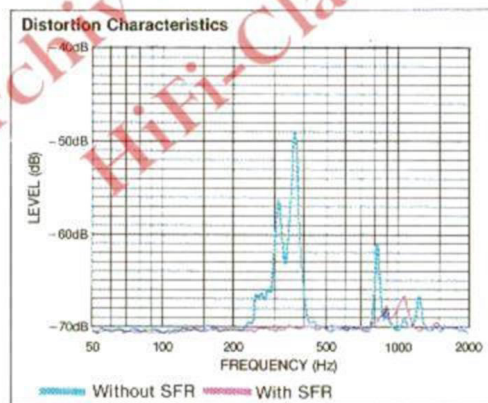
High Sensitivity and Selectivity

The T-9090II's reception of weak FM stations, whether over the air or cable, is outstanding; 50dB quieting sensitivity is a remarkable 0.8µV. Selectivity has also been substantially improved over the previous version, for clear reception of weak stations even if powerful local channels broadcast on adjacent frequencies. The selectivity specification of 80dB, adjacent channel, ±300kHz sets a new standard in FM tuner performance.

SFR (Sonic Noise Filtering Reception) Anti-Microphonic Circuit

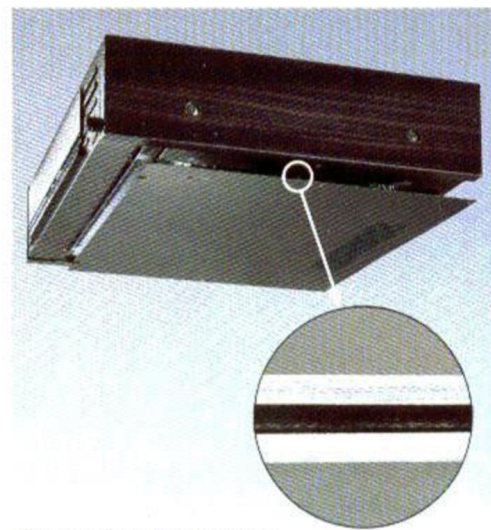
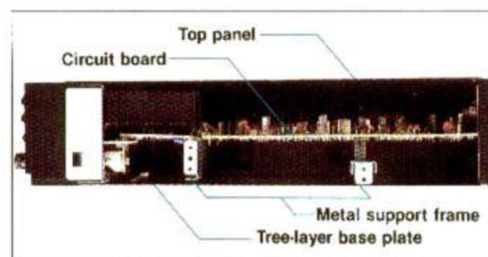
Though known for their low distortion, synthesizer tuners are extremely sensitive to mechanical vibrations. If sound pressure from the speakers causes the chassis to vibrate, these vibrations can in turn be translated into distortion-causing electrical voltages. If these spurious elements find their way into the music signal; the tuner will sound distorted and unmusical. This phenomenon is known as the

microphonic effect. Onkyo's SFR system uses electrical means to fight microphonic interference at its source: the synthesizer section. This innovative technology greatly contributes to the astonishing sonic purity and naturalness of the T-9090 II.



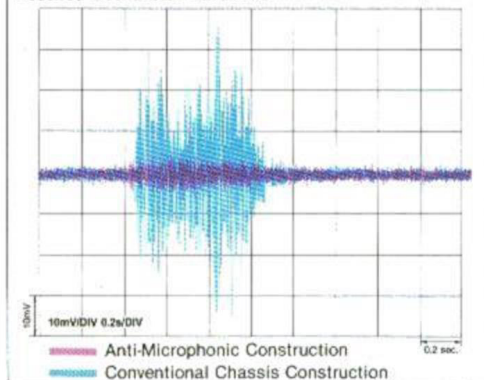
Top-Quality Construction

Onkyo's unwillingness to compromise on quality is no where more evident than in the solid construction of the T-9090II. This tuner is built to last, from the copper front end shielded case, pure copper bus ground lines (five in all) to the shielded casings for the digital and power supply blocks. In addition, the chassis of the



Tree-layer base plate shuts out distortion causing mechanical vibrations.

Anti-Microphonic Chassis Construction Reduces Mechanical Vibrations



T-9090II is specially designed to prevent microphony, incorporating a damping steel base panel to keep mechanical vibrations to a minimum.

System

Available in black only



Dual Antenna Inputs

The T-9090II permits you to use a conventional FM antenna and a direct connection to your local cable service simultaneously. The APR system will then examine both antenna inputs and automatically choose the stronger signal. You can also switch between the antennas manually.

Cable FM Fine Tuning

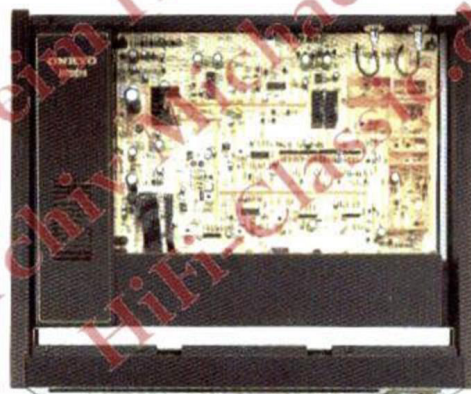
The T-9090II features 25kHz tuning steps instead of the usual 200kHz steps typical of conventional tuners. Also, a cable fine tuning mode allows even more flexibility, ensuring clean reception of your favorite cable FM stations.

Multi-Function Digital Display

The digital display of the T-9090II presents a wealth of useful information in an easy-to-read format. In addition to the station frequency, it shows the memory channel being used, the memory channel selected for timer preset tuning, the signal strength in dBf (dB femtowatts) and the tuning level threshold for scan tuning.

Top-Quality Parts for Improved Performance

As you would expect from a tuner bearing the Integra name, the T-9090II uses only strictly selected electrical components of the highest quality. Other noteworthy features include gold-plated antenna terminals and pin jacks and an AC power supply filter which protects the T-9090II from the harmful effects of the high-frequency noise produced by many digital components.



20-Station Memory and Preset Memory Scan

As many as 20 FM frequencies can be stored in the memory in any order. The memory even remembers the APR modes for each station. To locate a broadcast you want to hear, simply use memory scan to preview each of the stations in memory for five seconds each. Memory contents, including APR settings, are protected by a battery-free back-up system.

Adjustable Output Level

A knob on the front panel enables you to match the output level of the T-9090II to that of your other components. This eliminates the need to readjust the amplifier volume control every time you switch from one source to another.

31-Key Remote Control

The T-9090II comes with a 31-Key remote control which gives you complete command over all major functions. From the comfort of your listening chair you can choose from among up to twenty preset FM stations. Also covered by the remote control are antenna select, preset-scan, output level (up/down), preset (up/down) as well as the five APR settings.

Features at a Glance

- Computer-controlled five-mode APR (Automatic Precision Reception) system
- High sensitivity and selectivity
- SFR (Sonic Noise Filtering Reception) Anti-Microphonic Circuit avoids distortion caused by microphony
- Top-quality construction
- Automatic or manual antenna selection (A or B)
- Cable FM compatibility with 25kHz tuning steps and cable FM fine tuning mode
- Multi-function digital display
- Designed for sonic excellence with strictly selected electrical components
- 20-station memory
- Preset memory scan previews all preset stations by tuning in each one for five seconds.
- Adjustable output level
- 31-key remote control included
- Auto scan memorization puts strong frequencies in memory automatically.
- Power supply filter
- Timer program preset tuning
- Wood grain side panels included

SPECIFICATIONS

T-9090II	
Tuning Range:	87.5—108.0MHz (AUTO MODE 50kHz steps, MANUAL MODE 25kHz steps)
Usable Sensitivity:	Mono: 10.3dBf, 0.9 μ V IHF (75 Ω) 0.8 μ V (S/N 26dB, 40kHz Dev.) DIN Stereo: 17.2dBf, 2.0 μ V IHF (75 Ω) 20.0 μ V (S/N 46dB, 40kHz Dev.) DIN
50dB Quieting Sensitivity:	Mono: 15.8dBf, 1.7 μ V Stereo: 37.2dBf, 20 μ V
Capture Ratio:	1.0dB
Image Rejection Ratio:	100dB
IF Rejection Ratio:	100dB
Signal to Noise Ratio:	Mono: 95dB (IHF) Stereo: 85dB (IHF)
Alternate Channel Attenuation:	95dB IHF (\pm 400kHz) (Narrow)
Selectivity:	80dB DIN (\pm 300kHz, IF: super narrow)
AM Suppression Ratio:	60dB
Total Harmonic Distortion:	Mono: 0.009% Stereo: 0.02%
Frequency Response:	30—15,000Hz (+0.5dB, -1.0dB)
Stereo Separation:	55dB at 1kHz (IF: wide) 33dB at 70—10,000Hz (IF: wide)
Signal Auto Stop Level:	17.2dBf, 27.2dBf, 37.2dBf
Output Voltage:	0—1.5V
Power Supply Rating (4 types):	•AC 120V, 60Hz for U.S.A. & CANADA •AC 220V, 50Hz •AC 240V, 50Hz •AC 120/220V switchable, 50/60Hz for worldwide models
Dimensions (W x H x D):	465 x 103 x 387mm 18-5/16" x 4-1/16" x 15-1/4"
Weight:	8.5kg, 18.7lbs.

- Specifications and design are subject to change with or without notice.
- Consult your ONKYO dealer for the power supply in your area.

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