

# YAMAHA T-550

*Natural Sound AM/FM Stereo Tuner*

*Ultra Low Distortion*

*Yamaha Original DC NFB PLL Multiplex Demodulator*

*Exclusive Quick-Tuning System*

*Signal Quality Indicator, Built-In Rec Cal Oscillator*





# Yamaha: Dedication to Musical Excellence

We have many unique advantages in the audio world. Our wide range of technology, from electronics to metallurgy, enables us to develop for ourselves even the basic raw materials required for advanced hi-fi circuit designs. Another advantage is our musical heritage: Yamaha is founded on a dedication to music in all its forms. Our long experience as a leading manufacturer of musical instruments has made sensitivity to musical sound a habit hard to break. Our uniqueness gives rise to the originality clearly reflected in the reliable Natural Sound performance of every Yamaha high fidelity product. In a word, we pride ourselves on a creative blend of musical artistry, science and craftsmanship. Our Natural Sound fidelity is the result of an enduring relationship between musicians and audio engineers. Our designers and engineers are encouraged to create the kind of high fidelity products they want for themselves. With the result, at all times, being a total Dedication to Musical Excellence.

## A Stylish Package of Superb AM/FM Sound

The T-550 is an advanced design employing the latest in Yamaha tuner technology to ensure that you get outstanding sound under any conditions. It features several circuit innovations that are designed to reduce distortion and improve signal-to-noise ratio and sensitivity. New Yamaha-developed Uniresonance ceramic filters are used in the IF stage, greatly improving selectivity. And a unique DC negative-feedback phase-locked-loop FM multiplex demodulator gives you exceptionally clean FM stereo reception with remarkable stereo separation. Tuning is made easier than ever in the T-550 with a new quick-tuning dial-pointer LED indicator that won't let you make tuning errors. And an LED signal strength/signal quality indicator gives you precise monitoring of the incoming signal. There's even a built-in recording calibration oscillator to help you set your tape deck's record levels for best results when recording FM stereo broadcasts. All these features, and more, make the T-550 an outstanding choice for the audiophile who is serious about his sound.

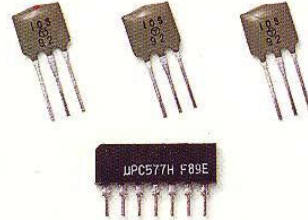
## Top Quality, Top Convenience Broadcast Reception

### Ultra-Low-Distortion Multiplex Demodulator

The multiplex demodulator performs the critical task of separating the left and right stereo channels from the incoming FM signal. To do this accurately, without adding noise or distortion, it must be able to handle signals ranging from almost DC to 1 MHz or more. Yamaha's unique DC NFB PLL multiplex demodulator circuit exhibits exceptionally wide frequency response and high slew rate, enabling the left and right channel signals to be separated without adding noise or distortion, or limiting frequency response. The result is super clean, clear FM stereo reception with superb image resolution throughout the stereo sound field.

### Superb Sensitivity and Selectivity

The T-550's state-of-the-art, innovative circuit design provides plenty of sensitivity to pull in weak and distant stations with surprising clarity—a must if you live in a remote area. And



Uniresonance Ceramic Filters & IF IC

original Yamaha Uniresonance ceramic filters offer excellent phase characteristics and selectivity so you can easily pick out any station even in the most crowded broadcast bands. You're guaranteed great sound in any location, with any station.

### Exclusive Quick-Tuning System

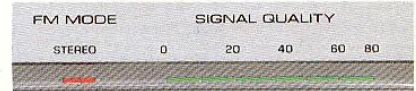
This feature makes it simple to tune perfectly every time. Just watch the 2-LED indicator incorporated in the dial pointer as you tune. As you approach a station, one of the LEDs will light, indicating the direction the pointer needs to be moved. If you pass the station, the other LED will light, telling you to tune in the other

### Perfect Tuning



direction. When both LEDs light, tuning is perfect. There's also an LED signal quality meter that indicates signal strength and flickers to show the

### Signal Quality and Tuning Indicators



presence of multipath interference—a great aid when setting up your antenna for best reception.

### Switchable FM Muting/Mono

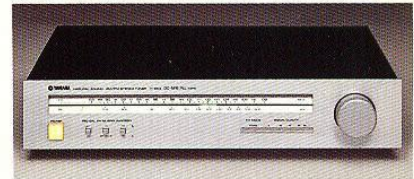
For normal FM stereo listening the FM Muting should be switched on. This eliminates annoying inter-station noise while tuning. With Muting off, the Mono reception mode is automatically engaged.

### AM Loop Antenna

AM reception in the T-550 is outstanding, too. Rather than a conventional ferrite bar antenna, the T-550 features a unique loop antenna that is much more efficient for AM signal reception. By dramatically cutting down distortion, this innovative antenna makes AM listening almost as enjoyable as FM.

### Other Features

- Large illuminated dial scale
- Illuminated power switch
- Large, easy-to-handle tuning knob
- Slim, stylish design



## SPECIFICATIONS

### FM SECTION

Usable Sensitivity	
IHF (300/75 ohms)	1.7/0.85 $\mu$ V (9.8 dBf)
DIN (Mono/Stereo)	1.2/40 $\mu$ V
50 dB Quieting Sensitivity	
Mono	3 $\mu$ V (14.8 dBf)
Stereo	40 $\mu$ V (38 dBf)
Image Response Ratio (98 MHz)	60 dB
IF Response Ratio (98 MHz)	90 dB
Spurious Response Ratio (98 MHz)	80 dB
AM Suppression Ratio (IHF)	60 dB
Capture Ratio	1.5 dB
Alternate Channel Selectivity	
IHF/DIN	65/40 dB
Signal-to-Noise Ratio	
Mono (IHF/DIN)	84/78 dB
Stereo (IHF/DIN)	80/74 dB
Distortion (at 65 dBf)	

Mono, 1 kHz	0.05%
Stereo, 1 kHz	0.07%
Stereo Separation (1 kHz)	50 dB
Frequency Response	
50 Hz to 10 kHz	+0.3, -0.5 dB
30 Hz to 15 kHz	+0.3, -3 dB

### AM SECTION

Sensitivity (IHF)	15 $\mu$ V
Selectivity (1,000 kHz)	27 dB
Signal-to-Noise Ratio	52 dB
Image Response Ratio (1,000 kHz)	40 dB
Spurious Response Ratio (1,000 kHz)	50 dB

### GENERAL

Power Supplies	Models available for all supply voltages and frequencies
Power Consumption	9 W
Dimensions (W x H x D)	435 x 92 x 341 mm (17-1/8" x 3-5/8" x 13-3/8")
Weight (kg)	4.5 kg (9 lbs., 14 oz.)

Specifications subject to change without notice.

For details please contact:

SINCE 1887



# YAMAHA

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