



# THE FISHER®

## 700-T

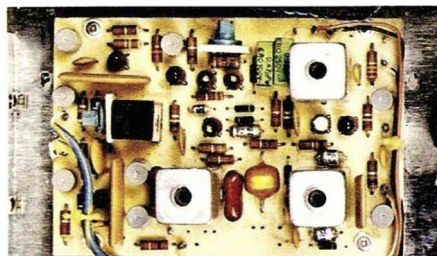
120-WATT ■ SOLID STATE ■ FM-STEREO RECEIVER  
With FIELD EFFECT TRANSISTORS (F.E.T.)





**THE FISHER 700-T**  
SHOWN ACTUAL SIZE

■ THE FISHER 700-T is magnificent in appearance, unequalled in performance. It is completely new in design and engineering, and sets the standard for others to follow.



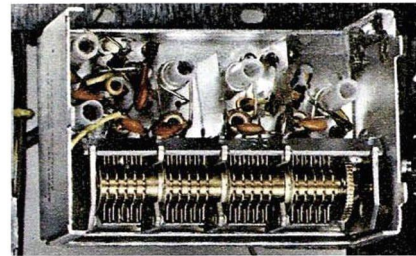
**FOUR-DIODE COINCIDENCE CIRCUIT**

■ An absolutely foolproof circuit that completely eliminates nuisance triggering (mono-stereo) caused by spurious signals. The entire multiplex decoder section reaches the limits of perfection. At 1 kHz, separation is more than 40 db.



**GOLD-PLATED FRONT-PANEL**

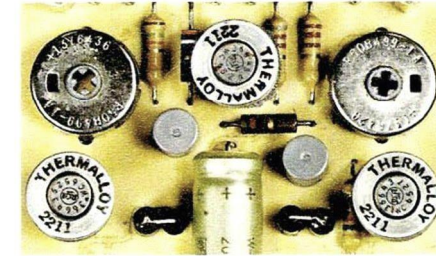
■ The Fisher design staff introduces a magnificent styling concept in front-panel design. The 700-T features a 24-carat gold-plated casting with contrasting walnut-grained and anodized panel sections, assuring new appearance virtually for life.



**SUPER SYNCHRODE\* FRONT-END**

■ This new front-end uses silicon field effect transistors (FET's) for suppression of spurious response and high overload capability. The shielded front-end has TWO RF stages, a FOUR-gang variable capacitor, and SIX tuned circuits.

\*Patent Pending



**GUARD-O-MATIC OVERLOAD PROTECTION**

■ This exclusive circuit completely eliminates the possibility of damage to drivers and output transistors caused by momentary shorting of speaker leads. It acts instantly, hundreds of times faster than a fuse.

# THE FISHER 700-T

120-WATT ■ SOLID STATE ■ FM-STEREO RECEIVER

With FIELD EFFECT TRANSISTORS (F.E.T.)

Here is the first all-solid-state receiver to incorporate every known and desirable engineering advancement in transistor design. In addition, it utilizes several entirely new circuits that were developed for and are now used exclusively in aerospace technology.

The result is truly unique—an instrument without an equal in performance and ease of operation. The magnificent new control panel features a 24-carat gold-plated casting with contrasting walnut-textured and anodized panel sections, assuring 'new' appearance virtually for life.

The Fisher 700-T has 120 watts of music power (IHF), and employs twenty-two low-level and power silicon transistors, including revolutionary silicon Field Effect Transistors (F.E.T.)

The FM front end, utilizing low-noise F.E.T. transistors, has two stages of RF amplification, six tuned circuits, and a four-gang variable capacitor. Through the use of this outstanding circuit, Fisher engineers have increased the sensitivity of the tuner section to its theoretical limit. The 700-T not only receives very weak signals, but makes it possible to enjoy 'problem' stations that, on ordinary receivers may have been blanketed by stronger signals, or were 'hidden' in noise. Four IF stages, three limiters and a wide-band ratio detector have been incorporated for maximum freedom from noise and interference.

The time-division multiplex section has an exclusive Four-Diode Coincidence Circuit to eliminate triggering caused by spurious

signals. Only the true stereo signal can trip the mono-stereo switch. The renowned Fisher STEREO BEACON\* automatically signals the presence of a stereo broadcast, and automatically switches to the mono or stereo mode. Exclusive TUNE-O-LITE dial pointer permits accurate tuning even in a poorly lighted area.

The exclusive GUARD-O-MATIC Overload Protection Circuit prevents damage caused by shorting of speaker leads.

A full complement of tone controls and switches are logically grouped on the front panel to afford complete ease of operation. The new Baxandall-type feedback networks in the dual bass and dual treble controls remove all possibility of 'boom' or harshness as caused by conventional controls. The six-position Program Selector (TAPE HEAD, PHONO, FM AUTO, FM STEREO, FM MONO, AUX) permits the widest range of source material. The five-position Mode Selector (MONO, STEREO FILTER, STEREO, STEREO TAPE, TAPE L, TAPE R) provides a host of conveniences for maximum listening pleasure. One may select a mode for the amplifier section and playback from tape decks or a tape recorder. Its last two positions, Tape L and Tape R, permit playback of each of the four tracks of a monophonic tape through both loudspeakers simultaneously.

In its design, circuitry, appearance, high power, and performance, the Fisher 700-T appears destined to become the most wanted receiver since the advent of the all-in-one component. It will set the standard for years to come.

\*Patent Pending

THE FISHER 700-T is the only receiver with walnut-grained surface to blend with any decor. And it sounds as great as it looks.



COURTESY, KERRICK FLOORS, INC.

# TECHNICAL SPECIFICATIONS

## AMPLIFIER SECTION:

Music Power, IHF (at 1kHz)	120 watts at 4 ohms 90 watts at 8 ohms
RMS Power (at 1kHz)	50/50 watts at 4 ohms 40/40 watts at 8 ohms
Harmonic Distortion (at 1kHz)	0.8%
IM Distortion (60:7000 Hz, 4:1; SMPTE)	0.8%
Power Bandwidth, IHF (at 8 ohms)	20 to 24,000 Hz
Sensitivity (for rated output at 4 ohms):	
Phono Low/High	3.5 mV/10 mV
Tape Head	2.5 mV
Auxiliary Low/High	200 mV/400 mV
Monitor	250 mV
Hum and Noise (below rated output):	
Volume at Minimum	-80 db
Phono Low (6mV reference)	-55 db
Auxiliary High (400mV reference)	-65 db
Frequency Response:	
Phono Low	30 to 15,000 Hz $\pm$ 1 db
Auxiliary High	25 to 20,000 Hz $\pm$ 1 db
Power Amplifier Section	10 to 70,000 Hz $\pm$ 0 -1 db
Input Impedance	
Phono Low	50K ohms
Tape Head	100K ohms
Auxiliary High	220K ohms
Damping Factor:	greater than 12 at 4 ohms greater than 50 at 8 ohms
Control Tracking (0 to -50 db)	better than 2 db
Separation (at 1kHz, L to R, R to L):	
Phono	greater than 50 db
Tape Head	greater than 50 db
Auxiliary	greater than 50 db

## Recorder Output

Low/High	220 mV/750 mV
Bass Control Range	26 db at 50 Hz
Treble Control Range	22 db at 10 kHz
Subsonic (Rumble) Filter	12 db per octave below 20 Hz
Low-Frequency Filter (12 db per octave)	-3 db at 50 Hz
High-Frequency Filter (12 db per octave)	-3 db at 5,500 Hz

## FM TUNER SECTION:

Usable Sensitivity, IHF	1.8 $\mu$ V
Harmonic Distortion (at 400Hz, 100% modulation)	0.4%
Signal-to-Noise Ratio (at 100% modulation and 1 mV input)	70 db
Selectivity, Alternate Channel, IHF	50 db
Spurious Response Rejection (at 100MHz)	90 db
Image Frequency Rejection (at 100MHz)	80 db
IF Frequency Rejection (at 100MHz)	95 db
FM Stereo Separation	40 db
Capture Ratio, IHF	2 db

## GENERAL:

Dimensions (including control knobs, dress panel, and heat sink)	16 $\frac{3}{4}$ " wide 5 $\frac{1}{8}$ " high 12 $\frac{3}{8}$ " deep
Weight	24 lbs.
Power Consumption, Maximum	220 watts/230 VA
Complement:	38 transistors (including 3 FET's) 18 diodes

## ENJOY HIGH QUALITY STEREO WITH FISHER HIGH-QUALITY SPEAKER SYSTEMS



FISHER offers a wide selection of 3-way speaker systems in a variety of styles and sizes, including bookshelf, floor models, slim-line and compact. Whether you choose the new, diminutive Fisher XP-33 Speaker System (less than a cubic foot in volume), or the large Fisher XP-10 Console floor model, you are assured of a

system that is professionally engineered to provide an effortless, natural, balanced musical quality. The Fisher XP-9 bookshelf speaker system, shown above, is notable for its extreme smoothness over the entire audio spectrum.

# Fisher Speaker Systems

You can enjoy the world of music in any room of your home by connecting Fisher Speaker Systems to your Fisher Receiver



## THE FISHER XP-33 Little Giant Speaker System

Here is the first miniature speaker system worthy of use with quality stereo components. The Little Giant utilizes a 2½-inch treble speaker and a 6-inch bass speaker with a butyl-impregnated half-roll surround. SIZE: 7" high, 13" wide, 6" deep. WEIGHT: 10 pounds.

## THE FISHER XP-5A Free-Piston Compact Speaker System

The compact XP-5A is moderate in size but its performance will satisfy the most critical audio enthusiast. It features an 8-inch bass speaker with a totally new suspension system, and a wide-dispersion-type 2½-inch treble speaker. SIZE: 10" wide, 20" high, 9" deep. WEIGHT: 15 pounds.

## THE FISHER XP-6 Bookshelf 3-Way Speaker System

Professional in performance, distinctive in styling and design, it features a 10-inch bass, a 5-inch mid-range (in separate Acousti-Glas-filled sub-enclosure) and a peripherally-driven hemispherical 1½-inch treble speaker. Capacitive-Inductive crossovers at 300 and 2,500 cps. SIZE: 23" wide, 13" high, 10½" deep. WEIGHT: 35 pounds.

## THE FISHER XP-7 Bookshelf 3-Way Speaker System

Contains *four* speakers: one 12-inch bass, two 5-inch mid-range, and a 1½-inch treble speaker. Crossovers at 300 and 2,500 cps. SIZE: 24½" wide, 14" high, 12" deep. WEIGHT: 45 pounds.

## THE FISHER XP-9 Bookshelf 3-Way Speaker System

Contains *five* speakers: one 12-inch bass, *three* 5-inch mid-range, and a 1½-inch treble speaker. Crossovers at 300 and 2,500 cps. Performs with astonishing purity. SIZE: 24½" wide, 14" high, 12" deep. WEIGHT: 55 pounds.

## THE FISHER XP-10 Consolelette

Designed for the discriminating music lover who seeks the ultimate in loudspeaker engineering. Features a mammoth 15-inch bass, an 8-inch mid-range, and a 2-inch hemispherical, soft-dome treble speaker. Continuously variable balance controls, for mid-range and treble speakers. SIZE: 24¾" wide, 30½" high, 14¾" deep. WEIGHT: 84 pounds.

## THE FISHER KS-1A Slim-Line 3-Way Speaker System

Only 5¾" deep. Easy to mount on the wall. Features a 10-inch bass, a 5-inch mid-range and a 3-inch wide-dispersion treble speaker. SIZE: 18" wide, 24" high, 5¾" deep. WEIGHT: 28 pounds.

## Fisher Audio Accessories

## THE FISHER K-10 Dynamic Spacexpander®

Recreates the reverberation of sound as it would be heard in a concert hall. Makes for 'auditorium' listening pleasure even in the smallest room.

## THE FISHER WS-1 Wide-Surround® Speaker System

Overcomes the 'point source' of sound, thus offering the listener the illusion of sitting in the most desirable seat of the concert hall. SIZE: 11½" wide, 3¾" high, 4¾" deep. WEIGHT: 4½ pounds.

## THE FISHER HP-50 Headphones

For perfect listening enjoyment with complete privacy.

All Fisher Speaker Systems provide adequate volume levels with 10 watts amplifier power but can handle up to 60 watts program material. Except for the XP-10 floor model, Fisher speaker systems can be used horizontally or vertically. The Fisher XP-5A is available in Walnut and Unfinished Birch. The Fisher KS-1A is available in Finished Birch or Walnut. All other Fisher Speaker Systems are available in Walnut.

**FISHER RADIO CORPORATION • LONG ISLAND CITY 1, N.Y.**