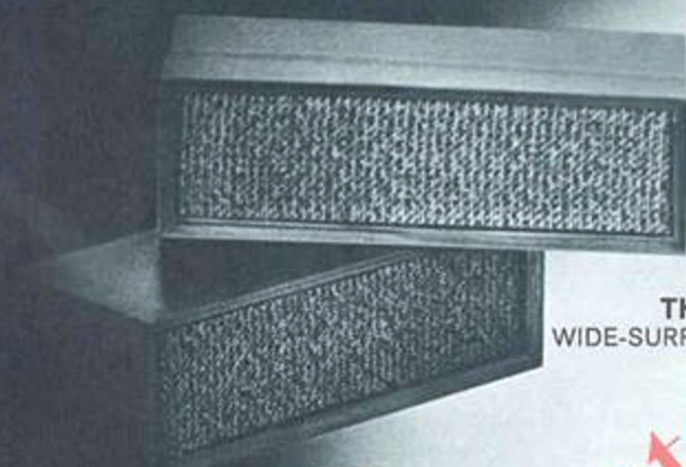
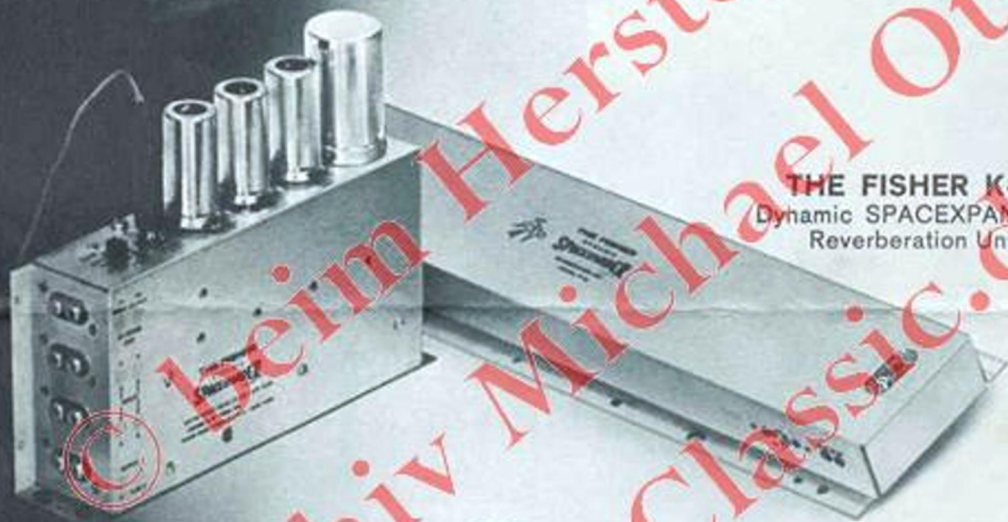


FISHER AUDIO ACCESSORIES

TECHNICAL FACT BOOKLET



THE FISHER WS-1
WIDE-SURROUND[®] SPEAKER SYSTEMS



THE FISHER K-10
Dynamic SPACEEXPANDER[®]
Reverberation Unit



THE FISHER RK-1
Stereophonic REMOTE CONTROL UNIT



THE FISHER PR-6
Self-powered PREAMPLIFIER

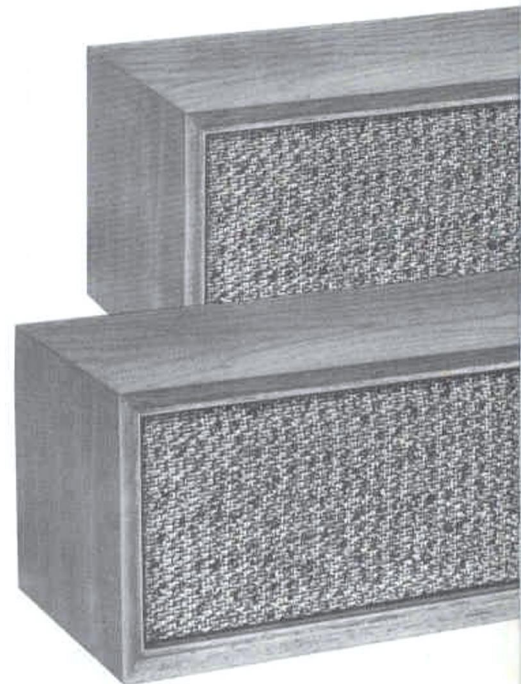


THE FISHER HP-50
STEREO HEADPHONES

THE WARRANTY THAT MEANS MORE AND DOES MORE FOR YOU!

In striking contrast to the industry-wide standard of 90 days on tubes and diodes, the Fisher Warranty is for ONE YEAR.
(NOTE: Tubes and diodes are the parts most in need of warranty coverage for your protection.)

HP-50 FISHER Headphones are designed to complement the superlative acoustic characteristics of all fine FISHER high fidelity instruments. They provide absolute fidelity to the listening program, and offer all the comfort and convenience of private listening enjoyment.



FISHER HEADPHONES PROVIDE

- unparalleled comfort
- maximum convenience of private listening
- exceptional durability
- full stereo separation
- extreme clarity of reproduction
- many hours of pure enjoyment

TECHNICAL SPECIFICATIONS

ELECTRICAL

Frequency Response: 30 to 17,000 cps ■ **Distortion:** Unmeasurable at normal listening levels ■ **Power input required for average listening levels:** 15 milliwatts ■ **Maximum permissible power input:** 1 watt ■ **Nominal impedance:** 12 ohms

PHYSICAL

Connections made to left cup via single 6½-foot cable terminated in three-contact plug. ■ All wires are strain-relieved. ■ Full foam-cushioned cups, of high-impact plastic (Cyclolac). ■ Fully-adjustable vinyl-covered spring-steel headband.



**THE FISHER
SPACEPANDER**

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WS-1 Speaker System, paired for stereo, was designed to provide maximum stereo coverage of the listening area to a degree never before possible. It will truly create a surrounding curtain of sound in your room — instantly apparent and almost overwhelmingly effective. With the WS-1, every seat in the room becomes "front-row center."

How can this be accomplished simply by adding so compact a speaker system? The reason is a phenomenon known as the Haas effect. In this, where identical sound reaches the listener from two different sources, one of which is closer to the listener, the latter will determine the ostensible direction of the sound. Furthermore, even though the more distant source is louder, the sound will still appear to be emanating from the nearer source.

HOW TO CONNECT THE WS-1

The FISHER WS-1 can be instantly connected to any stereo console, table-model or amplifier equipped with four, eight or sixteen-ohm speaker terminals. If you own a late model FISHER stereo phonograph, or radio-phonograph, WS-1 speakers can be plugged directly into the WS-1 outputs found at the rear of the instrument. For all other stereo instruments (FISHER and other makes), each WS-1 is simply attached to any of the unused speaker terminals (to the four, eight or 16-ohm and ground speaker terminals provided for each channel).

TECHNICAL SPECIFICATIONS

SPEAKER: 10" x 2 $\frac{1}{4}$ " oval with Alnico V permanent magnet. ■ IMPEDANCE: 8 ohms. ■ FREQUENCY RESPONSE: 250 to 15,000 cps. ■ CROSSOVER NETWORK: 250 cps cut-off. ■ ENCLOSURE: Finished on all six sides. In Walnut, Mahogany, Teak, Italian Provincial, or Cherry. Size 11 $\frac{1}{2}$ " x 3 $\frac{3}{8}$ " x 4 $\frac{3}{8}$ " deep.

K-10 Now, with the FISHER K-10 Dynamic Spaceexpander, the owner of a home music system can add a new dimension to listening — the dimension of reverberation — with one simple control. Natural reverberation is created by the reflection of sound from the walls and ceiling of an auditorium — sound which reaches the listener's ear a tiny fraction of a second later than the sound from the original source. For example, a single hand-clap is heard several times — first, as a direct sound impulse, and then (with much less intensity) as reflected sound which gradually diminishes, or "decays." The time of this decay is a function of the size and characteristics of the auditorium. So important is reverberation as a psychological stimulus that it is the way we instinctively estimate the size of a room.

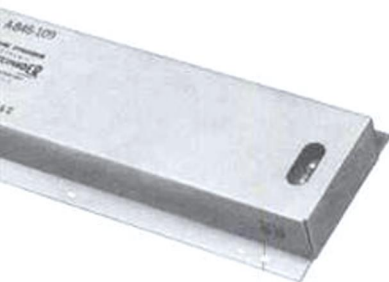
The FISHER K-10 Dynamic Spaceexpander now makes it possible for every home listener to control, to a degree never before possible, the actual character of sound reproduced from any source — records, tape, home recordings, or radio broadcasts. The FISHER K-10 is remarkably simple to operate (there is only one control) and easy to install.

REVERBERATION UNIT

This unit contains two rotating transducers, interconnected by coil springs. The tension of one spring differs from that of the other, to eliminate the harmful effects of standing waves and to provide a smooth frequency response. The nominal delay is 33 milliseconds.

ELECTRONIC UNIT AND CONTROL

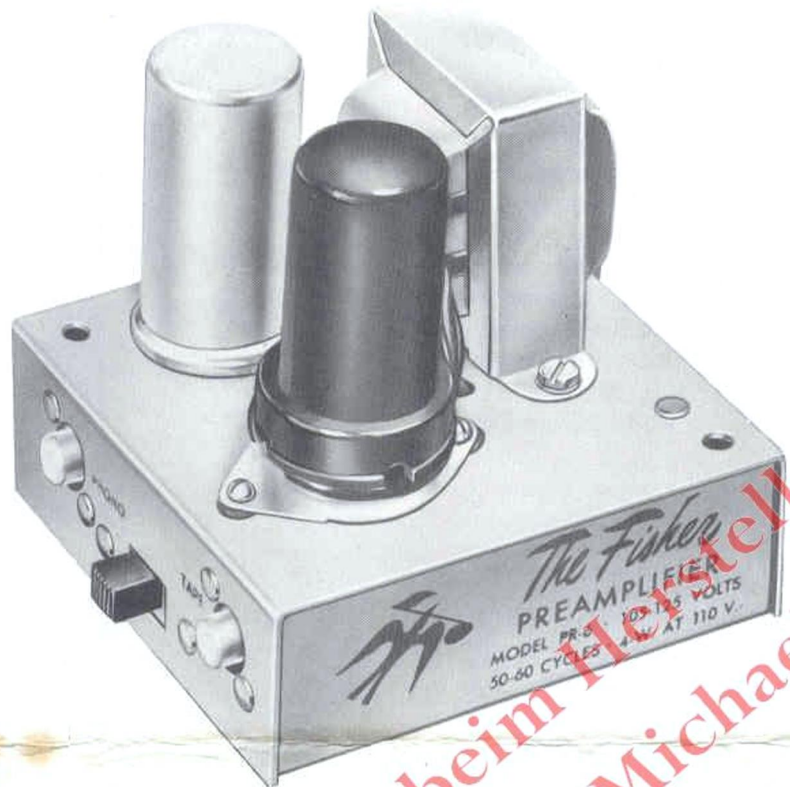
Self-powered, 105-120 VAC 3 dual-purpose tubes: 1-7247, 2-7025/ECC83/12AX7. Selenium rectifier. DECAY TIME: variable, maximum 2 seconds at 300 cps. MINIMUM INPUT VOLTAGE REQUIRED, 0.2 volt; MAXIMUM ALLOWABLE INPUT VOLTAGE, 5 volts. INPUT IMPEDANCE, 250K ohms; OUTPUT IMPEDANCE, 2000 ohms. OUTPUT VOLTAGE, 0.2-5 volts. GAIN, unity. HUM LEVEL, 80 db below 2.5 volts. Power consumption, 10 watts.



FISHER[®]

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PR-6 was specifically designed to meet the need for a high-quality, self-powered unit that would function equally well with phonograph, microphone, or tape. Though moderate in cost, it is built to uncompromising FISHER standards. PR-6 provides a sparkling clean, undistorted signal to a power amplifier from any standard source — record changer, professional turntable, tape heads, or microphone.

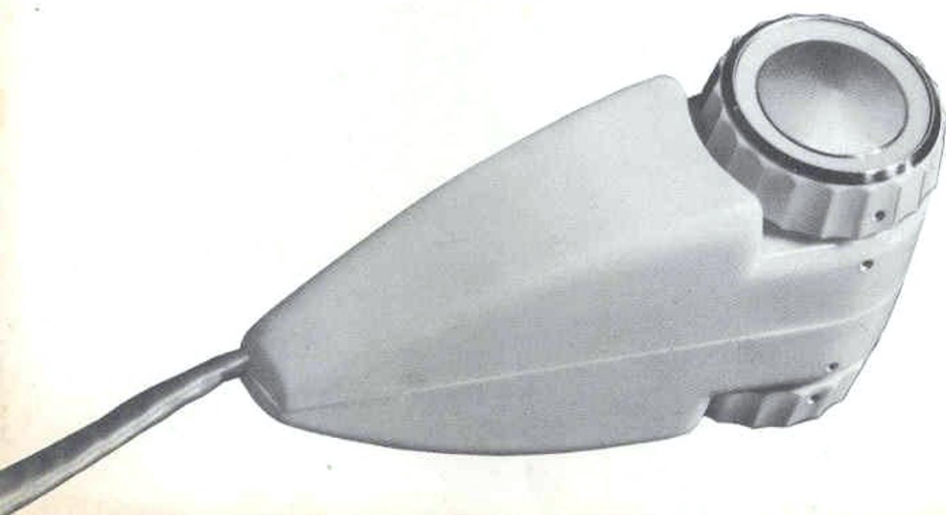


TECHNICAL SPECIFICATIONS

Two stages of triode amplification (6SC7). ■ **GAIN:** on phono, 1 volt output for 10 millivolts input; on microphone, 1 volt output for 1 millivolt input; on tape, 1 volt output for 5 millivolts input. ■ **FREQUENCY RESPONSE:** uniform within 2 db from 30 to 20,000 cycles. ■ **HUM LEVEL:** better than 60 db below 1 volt on phono and tape; better than 70 db below 1 volt on microphone. ■ **LOW FREQUENCY EQUALIZATION:** RIAA for phono, NARTB for tape. High frequencies equalized by resistive loading. Self-powered (105-120 V.A.C.), and completely shielded. **SIZE:** 3³/₈" x 3³/₈" x 3³/₈" high. **WEIGHT:** 1¹/₂ pounds.

RK-1 Remote Control was designed to permit the adjustment and balancing of volume levels on both channels of a stereophonic sound system from your favorite listening point. Controlling the volume in this fashion offers a distinct advantage over making adjustments at the audio control panel, which is normally outside the stereophonic listening area.

In addition to obtaining a more precise setting of the all-important volume controls, the RK-1 enables you to maintain perfect stereophonic balance despite variations in program sources. Just a touch of the dials is all that is necessary to achieve the optimum stereophonic effect at whatever volume level you desire.



DESCRIPTION

The RK-1 Remote Control consists of a Control Assembly with two Control knobs, 30 feet of connecting cable terminated with a nine-pin plug, and an Adaptor Plug assembly. The RK-1 can be used with the FISHER 400-CX, 400-C, 400-CA, 202-T, X-202, X-202-B, and X-1000. Although the operation of the RK-1 is the same for each component, circuit differences make necessary two different types of installation. One type of installation requires the use of the Adaptor Plug assembly accompanying this unit. The other type of installation does not require this Plug assembly.