

- for the audiophile
- for the recordist
- for the musician
- for the custom builder
- for the broadcast station

for faultless playback of pre-recorded tape...
for professional quality recording and duplicating...
providing full-fidelity performance... popularly priced!

VERIFIED VIKING FEATURES

- Every VIKING FF75 Tape Deck is capable of 40 to 14,000 cycles frequency response at a 7.5 inch tape speed.
- With a NARTB equalizer-amplifier, response will fully meet broadcast requirements for minimum distortion, flutter and wow.
- Belt driven Capstan eliminates all vibration and filters out motor interpole variations. No puck drives to harden or flatten.
- Simple mechanical design provides for long life and completely dependable performance, even when operated by inexperienced persons.
- Completely adaptable to *full-fidelity* recording and duplicating.

VIKING FF75 TAPE DECKS
provide faultless performance...
YOU TAKE IT FROM HERE!

VIKING
Full Fidelity 75
TAPE DECK

Patents Pending

DISTRIBUTED BY



Binaural installation shown

ADAPTABLE TO ANY STYLE OF CABINET MOUNTING

A saleable new instrument in a vital new market. The VIKING FF75 is designed specifically for the playing of extended range pre-recorded music tapes. Used with suitable erase-record circuitry, the same inherent design features make it ideal for *full-fidelity* tape recording and duplicating functions. The performance of the VIKING FF75 compares favorably with the best of professional equipment, yet lists at a popular price.

\$59⁹⁵

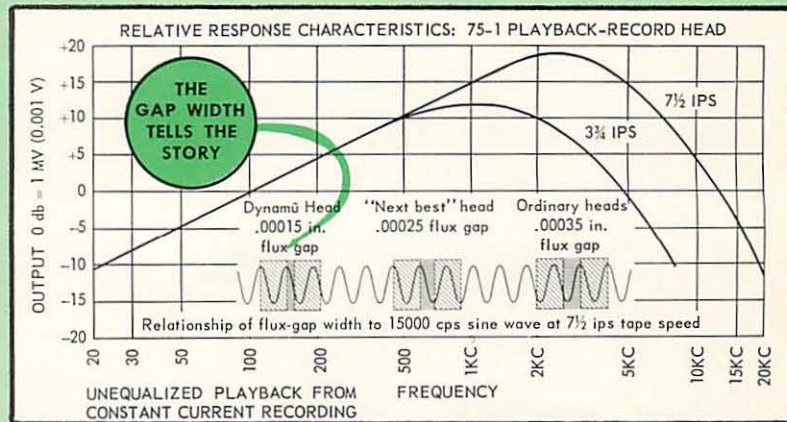
VIKING *Full Fidelity* 75 TAPE DECK

Patents Pending

The VIKING FF75 Tape Deck is plug-in-and-play equipment; ready for immediate use after attaching the temporary mounting brackets which are supplied.

For permanent installations, it is as easily installed as an ordinary record player, and operates equally well when mounted flat or at any degree of slant. A simple, three-position lever controls the tape motion. Calibrations under each tape reel provide for selection of any desired portions of tapes.

All VIKING FF75 Tape Decks utilize the recognized DYNAMŪ Head, providing extraordinary frequency response, due primarily to the flux gap width of only .00015". . . a VIKING *exclusive!*



Playback head characteristics (also used for recording)

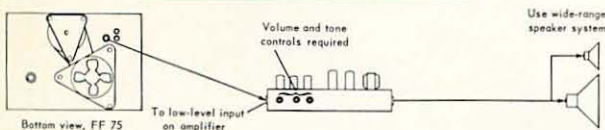
Track width..... .090"
Gap width..... .00015"
Impedance..... medium

Erase head characteristics (not used on basic playback deck)

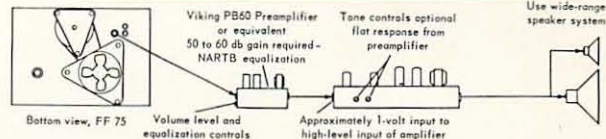
Track width..... .125"
Gap width..... .008"
Inductance..... 30 mh

ADAPTABILITY OF THE VERSATILE TAPE DECK TO 4 DESIRABLE METHODS OF OPERATION

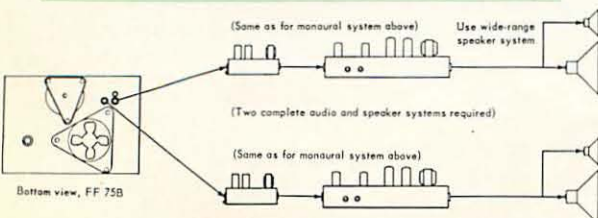
MONAURAL PLAYBACK (BASIC FF75)



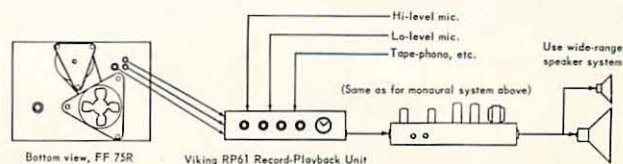
MONAURAL PLAYBACK (BASIC FF75, PLUS PREAMPLIFIER)

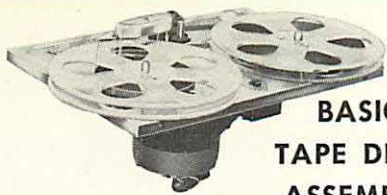


BINAURAL (STEREOPHONIC) SYSTEM (FF75B) (TWO COMPLETE AUDIO AND SPEAKER SYSTEMS REQUIRED)



RECORD-PLAYBACK (FF75R, PLUS PREAMPLIFIER, ERASE-RECORD AMPLIFIER AND SWITCHING CIRCUITRY)





BASIC TAPE DECK ASSEMBLY

WITH BRACKETS REMOVED, MOUNT LIKE A RECORD CHANGER TO ANY DEGREE OF SLANT.

COMPARE THESE EXCEPTIONAL SPECIFICATIONS

FREQUENCY RESPONSE: 40 to 14,000 cps plus, at 7½ ips. 40 to 7,000 cps plus, at 3¾ ips.

SIGNAL-TO-NOISE RATIO: 45 db or better. (This characteristic can be adversely affected by location of transformers or other sources of strong magnetic fields within 12 inches of the playback head or heads).

FLUTTER: 0.2 per cent or less.

TOTAL HARMONIC DISTORTION: Less than 1.0 per cent with NARTB recorded tape and NARTB compensated Preamplifier.

CAPSTAN DRIVE: Belt driven from *full-floated* motor platform.

CAPSTAN FLYWHEEL: 1½ lb.

TAPE SPEED: 7½ ips (3¾ ips available by changing belt to smaller groove on motor pulley).

MAXIMUM REEL SIZE: 7"

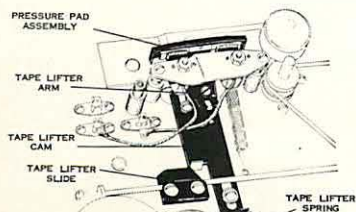
MOTOR: 4-Pole.

POWER REQUIREMENT: 110 volts, ac, 60 watts nominal.

WEIGHT: 9.0 lb.

SHIPPING WEIGHT: 11 lb. per carton.
Weight of 6-carton pack: 70 lb.

TEMPORARY MOUNTING BRACKETS PROVIDED.



**FIGURE
1**

TAPE LIFTER and PRESSURE PAD INSTALLATION

The basic FF75 Tape Deck is adaptable to three distinct modes of operation, Monaural Playback, Binaural Playback and Erase-Record-Playback. With pressure pad and/or tape lifters installed on these three functional adaptations, a total of six separate type numbers is possible.

Three head units, suited for simultaneous recording and monitoring are available on special order.

ORDER BY TYPE NUMBER: Ordering by type number will expedite shipment, and will insure that you receive exactly the merchandise you want.

FF75 MONAURAL PLAYBACK UNIT

This is the basic single head unit for playback of either full track or double track tapes. It is equipped with the single-head bracket.



\$5995

FF75L MONAURAL PLAYBACK UNIT WITH TAPELIFTER

This is the same as the FF75, except that the accessory tape lifter shown in figure 1 is installed at the factory. This same tapelifter can be added to a FF75 at any time. Pressure pads cannot be used with single head units.

VIKING TAPELIFTER provides quiet rewind, lessens head wear.

\$6245

FF75B BINAURAL PLAYBACK UNIT

This unit is equipped with two matched heads on a staggered bracket for playback of either binaural tapes or double track tapes. Two complete amplifier speaker systems are necessary for binaural operation.



\$6995

FF75B-LP BINAURAL PLAYBACK UNIT WITH TAPELIFTER AND PRESSURE PAD

This is the same as the FF75B except that the accessory tapelifter and pressure pad shown in figure 1 is installed and adjusted at the factory. Use of a tapelifter only is not recommended.

VIKING TAPELIFTER and PRESSURE PAD provides quiet rewind; insures optimum contact between tape and heads; improves signal-to-noise ratio.

\$7445

FF75R MONAURAL RECORD-PLAYBACK UNIT

This is the same basic "75" mechanism equipped with an erase head and a single record-playback head. It is capable of recording to the most discriminating of standards and of playback equivalent to that of the standard FF75. No amplifier or erase record circuitry is included.



\$6745

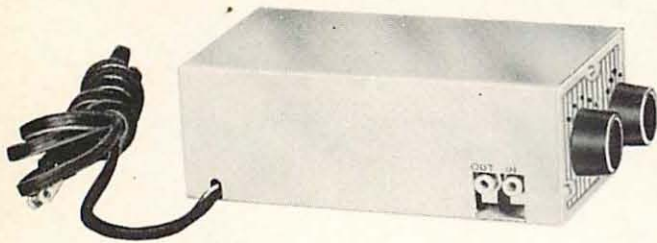
FF75R-LP MONAURAL RECORD-PLAYBACK WITH TAPELIFTER AND PRESSURE PAD

This is the same as the FF75R except that the tapelifter and pressure pad shown in figure 1 is installed and adjusted at the factory. Use of the pressure pads is recommended for full-fidelity record-playback operation.

VIKING TAPELIFTER and PRESSURE PAD provides quiet rewind; insures optimum contact between tape and heads; improves signal-to-noise ratio.

\$7195

Ideal Complement to the VIKING full-fidelity 75 Tape Deck



\$24.50

VIKING Full Fidelity PB60 PREAMP

The VIKING FF75 Tape Deck provides superior performance without special equalization, but it cannot compare with NARTB recorded tapes played through a fully and properly equalized preamplifier and a flat-response music system.

The VIKING PB60 PREAMP is offered as the ideal companion to the FF75 Tape Deck Series. Two controls are provided: a volume level control and a variable equalization control. The volume level control may either be set at a level that does not overload the music system amplifier, or may be used as the system volume control.

The variable equalization control provides for any desired response from 5db above, to 5db below the NARTB response curve at 10,000 cps. Thus the equalization control can, if desired, be used as a tone control with any straight-through, flat amplifier. This eliminates the need for any intermediate mixers, volume and tone controls.

The VIKING PB60 is a thoroughly tested amplifier. Driven by the FF75 playback head from NARTB tapes it provides an output of from 5 to 10 volts from a cathode follower output stage. The effective output impedance is low (400 ohms) permitting long lines to the music system amplifier, without affecting the performance of either the preamplifier or the power amplifier.

SPECIFICATIONS

SIGNAL-TO-NOISE RATIO: 50 to 55 db without selected tubes.

COMPENSATION: (see curve) NARTB, variable 5db above or below curve at 10 kc.

OUTPUT: +5 to +10 volts, cathode follower, 400 ohms impedance.

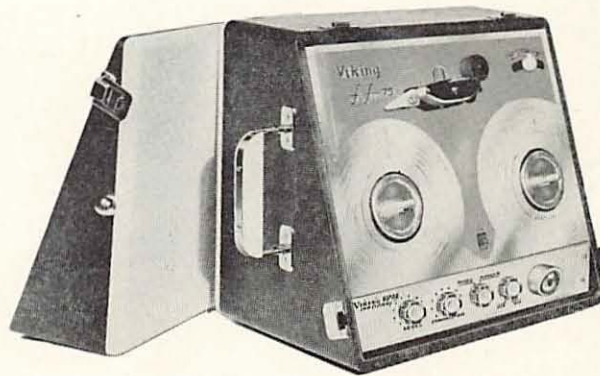
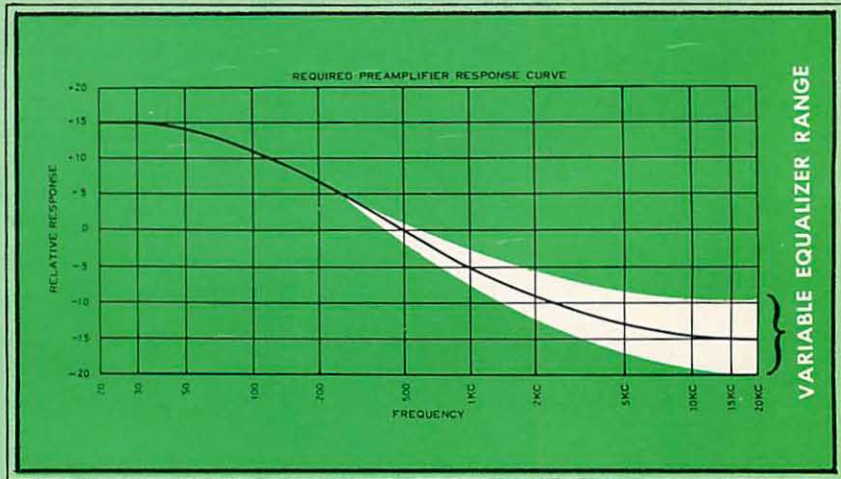
TUBE COMPLEMENT: 1-6X4, 1-5879, 1-12AX7.

INPUT AND OUTPUT CONNECTORS: RCA phono jacks.

DIMENSIONS: 6½"x3"x2" (Fully cased)

WEIGHT: 1½ lb. Shipping Wt. 2 lb.

POWER REQUIREMENT: 5 watts, 110 volts, a.c.



TELE. CANTON.
874 HOUSEHOLD CO.

FF75R RECORD/PLAYBACK and RP61 RECORD/PLAYBACK AMPLIFIER IN *Portable* CARRYING CASE

The VIKING Portable Case, available as an accessory, accommodates any of the VIKING FF75 Series Tape Decks. It provides sufficient additional space for either one (monaural) or two (binaural) PB60 Preamplifiers, or a single RP61 Record/Playback Amplifier.

No provision is made for a built-in speaker.

The charcoal and white case is beautifully styled like the finest luggage with an extremely durable, waterproof, grained plastic finish.

\$19.95 list
Portable case only



VIKING OF MINNEAPOLIS

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9-55 Form 100

All prices shown are user net
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