

GENERAL DESCRIPTION

The Lafayette Model HA-750 is a compact, self-contained, fully transistorized combination transmitter and receiver designed to cover the most popular portion of the 6-meter amateur band (50-52 Mc). Its compact size and ease of operation make this unit ideally suitable for 12 volt DC (negative ground only) mobile operation, or "fixed" station operation with the optional solid state AC power supply (Lafayette Model HB-502). It is supplied complete with push-to-talk dynamic microphone, a fused power cable for DC operation and a mobile mounting bracket.

Housed in a rugged metal case, the transmitter, receiver and audio sections employ rugged; heat-resistant silicon transistors in all critical areas to assure trouble-free, dependable operation. Equipped with 18 transistors, 8 diodes and 2 zener diodes, the unit employs a continuously tuneable superheterodyne receiver circuit with one stage of RF and three stages of IF, and a seven-stage crystal or VFO controlled transmitter for precise dependable performance.

The transmitter is designed to operate with an input of 5 watts to the final RF stage, and offers full VFO or crystal-controlled operation. When using VFO operation, the transmitter frequency tracks with the frequency of the receiver. When operating the unit crystal-controlled, the transmitter operates independently of the receiver, and the frequency of transmission is determined by the crystal being used. The unit is normally supplied without crystals but may be operated by inserting any third-overtone HC-6U crystal into the socket provided.

NOTE

AN FCC AMATEUR LICENSE IS REQUIRED BY ANYONE OPERATING THIS EQUIPMENT

FEATURES

Crystal-controlled or VFO transmitter operation.

Transmitter VFO tracks with receiver frequency.

±200 Kc vernier offset receiver tuning.

Spot switch.

S-meter/relative power indicator.

Built-in 3 x 5" speaker.

TRANSISTOR COMPLEMENT

TR1	2SCF2	Receiver RF amplifier
TR2	2SCF2	Mixer
TR3	2SCF2	Receiver tuneable oscillator
TR4,5	2SCF2	IF amplifiers
TR6	2SDF1	Receiver voltage regulator
TR7	2SBF1	Audio preamplifier
TR8	2SBF1A	Audio Driver
TR9,10	2SBF5	Push-pull power amp/modulators
TR11	2SC55	Transmitter crystal oscillator
TR12	2SCF2	VFO
TR13	2SCF2	VFO Buffer multiplier
TR14	2SC55	VFO Multiplier driver
TR15	2SCF3	Amplifier driver
TR16	2SCF6	Amplifier driver
TR17	2SCF10	RF power amplifier
TR18	2SDF1	VFO voltage regulator