

FDK

...is a 2 meter high performance all mode transceiver no larger than an FM mobile but, much more versatile.

MULTI-750A/E



MULTI-750A/E

IT OFFERS VHF OPERATION ON FM/SSB/CW AND ALSO UHF OPERATION IN CONJUNCTION WITH "EXPANDER-430" FOR REPEATER, DX, AND SATELLITE COMMUNICATIONS.



MULTI-750A



MULTI-750E

OUTSTANDING FEATURES

- Compare its compact size and light weight, its smart appearance and comprehensive front panel controls. Simple and reliable operation is made possible by employing advanced solid-state and logic techniques.
- A dual VFO is employed for the selection of two independent frequencies anywhere in the band. This also enable split frequency operation, particularly useful when used in conjunction with the optional "UHF-EXPANDER" transverter. For normal repeater operation a pre-programmed shift is selected by front panel selector.

- Simple and smooth VFO control gives either 100Hz or 5KHz steps on both FM and SSB modes for optimum convenience.
- The large green Fluorescent Display Tube gives full frequency readout to 100Hz and provides safe and clear readout for both night and day operation.
- Standard features include Noise-Blanker, RIT control with switch, RF attenuator gain control, Automatic crystal controlled Tone-Burst, High and Low power switching and remote Up/Down frequency control microphone unit.

SPECIFICATIONS

GENERAL

Frequency range 144.000–145.999.9MHz (MULTI-750E)
 144.000–147.999.9MHz (MULTI-750A)
 Frequency selection Each 100Hz or 5KHz step Main dial rotary knob or Up/Down counter microphone switch at any modes.
 Operation mode FM: Reactance Mod. (F3),
 USB/LSB: Balanced. (A3J),
 CW: Carrier Keying (A1).
 Antenna impedance 50–52 ohms (unbalanced).
 Power supply 11–15 Volts DC (Neg, ground),
 13.8 Volts nominal.
 Power consumption 3 Amps @10W Transmit,
 2 Amps @1 W Transmit,
 .8 Amps @ Audio Max. on RX,
 .4 Amps @ AF squelched.
 1.5mA @ Back-up (typical).
 Operation temperature –10°C to +60°C (degree).
 Frequency stability Less than 500Hz after 1–30 Min, and
 less than 200Hz after 1 hour.
 Dimensions 163W x 73H x 260D in mm.
 Weight Approx. 2.6Kg (without Acc's).

TRANSMITTER

RF output power 10W at High, 1W at Low (by rear SW).

Max. deviation +/-5KHz (Factory pre-set).
 Unwanted spurious Less than –60dB.
 Carrier suppression Better than 40dB below carrier.
 Sideband suppression Better than 40dB below carrier.
 Mic. Impedance 500–600 ohms dynamic microphone with Up/Down counter switch and PTT function switch.

RECEIVER

Receiving method USB/LSB & CW: Single-superheterodyne,
 FM: Double-superheterodyne.
 Intermediate frequency 1st: 10.7MHz, 2nd: 455KHz.
 Sensitivity SSB/CW: –8dBμ at S/N 10dB,
 FM: –4dBμ at 20dB Noise Quieting.
 Spurious Image rejection Better than 60dB.
 Selectivity SSB/CW: More than 2.2KHz at –6dB,
 Less than 6KHz at –60dB.
 FM : More than 15KHz at –6dB,
 Less than 25KHz at –70dB.
 Audio output power More than 1.2 Watts at 10% T.H.D.
 Audio impedance 8 ohms.

NOTE: The specification rating may change without notice due to technical improvement.

OPTIONS



AC POWER SUPPLY Model: SP-750

This is matched with a MULTI-700/750 series designed dependable stability capable more than 6 Amps at 13.8V DC power obtained heavy duty power unit. Use for base station, which is MULTI-750 + EXPANDER-750 or MULTI-700AX/EX 25W FM transceivers. Convenience fixed station operation input power source 100/117/240V with a ground wire, weight is approx. 5Kg.

UHF TRANSVERTER Model: EXPANDER-430

This unit is an optional transverter for use in conjunction with the MULTI-750A/E in order to provide UHF operation in the frequency range 430–440MHz. REPEATER, SIMPLEX, CROSS-BAND and SATELLITE COMMUNICATIONS are possible on any mode. Simply connect up the EXPANDER-430 to your MULTI-750A/E for 2 meter or optional 70cm, and VHF/UHF combined operation. Features built-in R.F output power High/Low and OFF switch, TRANSMIT/RECEIVE indicators.