

Jim
PROFESSIONAL SERIES

LOW NOISE WIDE BAND
GaAs FET PRE-AMPLIFIER

MODEL
M-75



JAPAN INFORMATION MEDIUM

61025
Printed in Japan

OWNERS MANUAL

SPECIFICATIONS :

- *Frequency Range: A band 225MHz-1500MHz
B band 108MHz- 185MHz
C band 24MHz-2150MHz
- *Gain: -10 to +20dB fully adjustable
- *Noise Figure: Approx. 2dB
- *Input/Output Impedance: 50 ohms
- *Current Consumption: Approx. 45mA (Internal batt.)
Approx. 40mA (external 12V.D.C.)
9V battery PP3-006P etc.
- *Power Source:
- *Temperature Range: -20 to +60 Degrees C.
- *Size: 80H x 59W x 30D mm
- *Weight: Approx. 103g (without battery)

CAUTION! When the WV-75 is operated on an external power supply, with batteries taken out from the WV-75, cover the battery snap contacts with a plastic tape or similar insulation so that they may not touch the metal case causing voltage drop. Or use external power supply with batteries installed in the WV-75.

WARNING: A 9V rechargeable NiCad(PP3-006P) may be used to power the WV-75. The NiCad battery must be charged independently using a dedicated charger. It is NOT possible to charge the NiCad battery from the external 12V DC Jack on the WV-75.

OPERATION:

- (1) Install a 9V battery or connect to a 12V DC source. When using an external DC source, the internal battery is automatically disconnected.
- (2) Connect the WV-75 to an antenna to match the input/output impedance of 50 ohms.
- (3) Power ON for the WV-75 is indicated by an L.E.D.
- (4) To help reduce the problems that occur with other types of wide band fixed frequency coverage pre-amps, the WV-75 is fitted with switchable bandpass filters. These filters help to reduce out of band signals. (Note: Medium, long and short wave bands have been intentionally omitted.)
- (5) The WV-75 has a fully adjustable gain control, indispensable on a wide band pre-amplifier. (It may also be used as an attenuator for very strong local signals). Keep the gain level control at approx. 6 to 10 dB when using scan or search modes on your receiver. Increase the gain if you wish to listen to a fixed frequency. Some experimentation is required to obtain optimum results, taking into consideration strong stations, ie. TV and commercial radio etc.
- (6) If you wish to monitor some frequencies in the 144-148MHz amateur radio band, some frequencies in the VHF aircraft band between 108-137MHz, and some VHF marine band channels between 156-163MHz, you could select band 108-185MHz. This band pass filter will help to reduce interference below and above this band.