Jim

PROFESSIONAL SERIES

LOW NOISE WIDE BAND

GaAs FET PRE-AMPLIFIER

# MODEL M-75

*OWNERS MANUAL*

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 M-75 to an antenna to match the input/ output impedance of 50 ohms.

(3) Power ON for the M-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 M-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 M-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.

## SPECIFICATIONS:

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| *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.) |
| *Power Source: | 9V battery PP3-006P etc. |
| *Temperaure Range: | -20 to +60 Degrees C. |
| *Size: | 80H x 59W x 30D mm |
| *Weight: | Approx. 103g (without battery) |

CAUTION! When the M-75 is operated on an external power supply, with batteries taken out from the M-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 M-75.

WARNING: A 9V rechageable NiCad(PP3-006P) may be used to power the M-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 M-75.


JAPAN INFORMATION MEDIUM

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