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.)

*Power Source 4 - 3 9 9

9V battery PP3-006P etc.

*Temperature Range:

installed in the M-75.

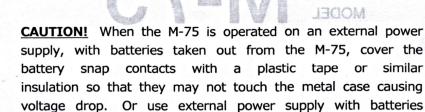
-20 to +60 Degrees C.

*Size:

80 H x 59 W x 30 D mm

*Weight:

Approx. 103g (without battery)



WARNING! A 9V rechargeable 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.

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-amplefier. (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.