

# **ACECO**

## **FC5001 VU Receiver**

### **Introduction**

The Aceco FC5001 hand-held VU Receiver is a nearfield FM monitor that has the ability to manually tune VHF and UHF. FM signals are demodulated and output it through its internal speaker or external earphone. The high sensitivity to nearfield signals makes it ideal for RF communications monitoring. Supplied as a complete with internal NiCd pack, AC wall charger, 7 section telescopic antenna and audio earphone.

### **Specifications**

Frequency range:	30 MHz - 900 MHz
Modulation:	FM
Deviation:	< 100 KHz
Sensitivity:	< -53 dBm at 500 MHz
Weight:	360 g
Size:	100 mm high x 68 mm wide x 31 mm deep
Impedance:	50 Ohms (BNC Socket)
Case:	Stamped aluminum with black anodized finish
Battery:	Internal 5 x AA 600 mAh NiCd pack
Power:	9 VDC 300 mA

### **Features**

- Coarse knob and fine knob to tune the frequency
- Low power consumption (Average 5 hour battery life)
- Supplied with NiCd pack, AC wall charger, telescopic antenna and earphone
- Signal indicator

### **Controls**

1. Vol Knob - This knob turns the receiver on and adjusts sound volume.
2. Sq Knob - This tunes the squelch up or down to set the signal strength for reception.
3. Coarse / Fine Tune Knobs - These two knobs are used to tune the frequency for monitoring.

### **Battery**

This VU receiver can operate for up to five hours from its fully charged NiCd batteries. They are charged when the unit is plugged into the supplied AC/DC adapter. Full recharge will occur over 12 to 16 hours. Before recharging the batteries you should be deep cycled occasionally by allowing them to completely discharge to maintain maximum battery capacity. The NiCd batteries should last for several years. However, it is a good idea to check them every twelve months for signs of corrosion or leakage. Always replace the whole set if any one cell fails.

### **Warranty**

Aceco Electronics, Corp. guarantees the receiver and accessories for one year against defects in manufacture. This warranty does not cover items that have been modified, subject to unauthorized repairs, misuse or abuse. This warranty does not cover damage caused by excessive power levels applied to the signal input. Never make any kind of connection between the receiver and a transmitter.