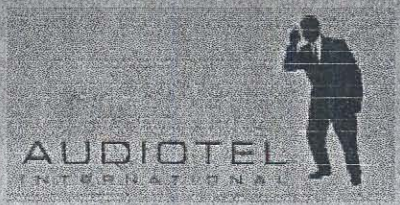
# SCANLOCK MARK VB

# QUICK START OPERATING INSTRUCTIONS



# *SCANLOCK*

## Mark V B
## Audiotel International
## (Quick Start Instructions)

## *Receiver Functions:*

**Signal Seeking Mode:**
When FM switch is pushed to the IN position, unit is automatically in signal seeking mode and will automatically lock onto the strongest signal in the area.

**Manual Tuning Mode:**
When the MT switch is pushed to the IN position, unit is in the manual tune mode and may be tuned manually by use of the frequency selector manual tune knob.

**Computer Mode:**
When the unit is connected to the Compuscan I companion unit and the selector switch is in the on/up position.

## *Switch Functions:*

**AM**
Amplitute Modulation reception. When the switch is pressed to the IN position, will demodulate AM frequency band more clearly than other demodulation bands. (Will still receive FM frequency band)

**FM**
Frequency Modulation reception. When the switch is pressed to the IN position, will demodulate FM frequency band more clearly than other demodulation bands (demodulates all bands in this mode). When it is the only switch depressed to the IN position, it activates the signal seeking mode, and will automatically lock on to the strongest signal being received. As the unit is moved thru a location it will automatically seek out and lock on to the strongest signal in that particular area. In congested frequency areas with strong signals, where one particular signal is overpowering all others, the manual tuning mode may be more effective in isolating a signal from within the location.

**SC**
Sub-Carrier mode. When switch is pressed to the IN position, activates the subcarrier detection mode and the FL-1 filter to more effectively receive and hear low power signals (50 kHz typical).
Air or rushing noise indicates no sub-carrier signal present. No audio noise indicates sub-carrier present.

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**NB**
FM narrow band. When switch is pressed to the IN position, narrows the bandwith reception. May make some signals stronger and/or clearer. May also cause some distortion of audio depending upon signal received. Will automatically demodulate AM and FM bands.

**FREQ**
When switch is pressed to the IN position, allows a non- precise method of indicating frequency. The field strength meter is now used to indicate approximate frequency being received. It may be necessary to turn the unit off and then on again to clear the unit of currently received signals. The signal from the item measured must be stronger than the ambient signals existing for the unit to indicate approximate frequency.

**M/T**
When switch is pressed to the IN position allows manual scanning of all frequencies from 0 to 4 GHz nominal, by means of the manual tuning knob.

**S/W**
(Acoustic Feedback Loop) When switch is pressed to the IN position, disconnects the headphone output and causes a tone to be generated from the speaker. A constant tone indicates no acoustic path and no transmitter w/microphone. Repeated beeping or interruption of sound indicates an acoustic path and a transmitter w/microphone. All demodulators automatically operate in this mode. Tuning not required.

**LOCATE**
When switch is pressed to the IN position activates a rapid series of clicks increasing in intensity to a high pitched squeal when approaching a transmitter with a microphone. Tuning not required. No demodulation in this mode.

**Signal Strength Meter**
Indicates relative signal strength and RF noise in area. Additionally serves as a non-precise frequency indicator when the FREQ switch is in the IN position.

**IF 2 MHz Jack**
Provides 2 MHz output signal to a spectrum monitor. Output is from the 300 kHz bandwith IF amplifier.

**REC Jack**
Provides audio output to recording device. Volume output level preset, volume control does not function in this mode.

**Squelch (level)**
Provides signal strength threshold for reception of weak and strong signals. Less squelch allows weaker signals to be received, more squelch allows only stronger signals to be received.