

# ATS R410 Scanning Receiver

World's Most Reliable Wildlife Transmitters and Tracking Systems



## Demanding tracking work doesn't have to demand a high price.

The technology and tracking power usually found in larger receivers is now available in the 750 gram R410 Scanning Receiver from ATS. To carry out almost any field study, you can enter any frequency in a 4 MHz range using just the front panel controls. Call up any channel desired at the touch of a button, or you may select up to 100 channels for automatic scanning, and then lock-on to a live channel at the press of a button.

ATS engineers have designed the R410's convenient control panel for use in the most unforgiving field conditions. The R410's control panel is easy to adjust and is water resistant. A backlit LCD meter gives you accurate signal depiction to help you easily locate your target. Plus, a built-in speaker or audio jack for a headphone set offers audible verification of your progress.

The R410 can operate for 18 hours on easily changed alkaline batteries. A padded nylon carrying case is available. You'll come to trust the R410's ease of use, high sensitivity and reliability for your most demanding research projects.

- 4 MHz frequency range
- 1 kHz channel spacing
- Store in memory and auto scan up to 100 channels
- Easy to read backlit LCD meter for gain and signal strength
- Very high sensitivity
- Excellent range performance
- Compact, lightweight design
- Easy to operate
- Runs on 4 alkaline batteries

TRANSMITTERS  
RECEIVERS  
GPS SYSTEMS

 **ATS**  
ADVANCED TELEMETRY SYSTEMS

ANTENNA SYSTEMS  
CODED ID SYSTEMS  
CONSULTING

## World's Most Reliable Transmitters and Tracking Systems



TRANSMITTERS

RECEIVERS

GPS SYSTEMS

ANTENNA SYSTEMS

CODED ID SYSTEMS

CONSULTING

# ATS

ADVANCED TELEMETRY SYSTEMS

470 FIRST AVE N • BOX 398 • ISANTI, MN 55040

763-444-9267 • 763-444-9384 fax

email:sales@atstrack.com • www.atstrack.com

## R410 Scanning Receiver

### GENERAL

- Frequency range: Any specified 4 MHz range from 140 to 220 MHz
- Channel spacing: 1 kHz
- Input impedance: 50 ohms
- Minimum discernible signal (MDS): -150 dBm (0.007 uv into 50 ohms)
- Noise figure: 3 dB maximum
- Speaker: 8 ohms
- Frequency stability:  $\pm 1$  kHz -20°C to 50°C
- IF frequency: 10.7 MHz
- IF bandwidth: 6 dB  $\pm 2$  kHz; 80 dB  $\pm 7$  kHz
- Image rejection: > 150 dB
- RF gain control range: > 110 dB
- Operating voltage range: 3 to 6 volts DC
- Dwell time (scan time): Programmable, 1 to 60 seconds

### CONTROLS

- Channel selector
- Incremental frequency up/down
- RF gain
- Receiver on/off
- Auto scan/memory bypass
- Audio level
- Dwell time (scan rate)
- Add to memory

### MEMORY

- 100 channels
- Nonvolatile memory

### DISPLAYS

- Selected frequency: LCD (0.5" digits) with backlight for night use
- Battery status: "low batt" indicator flashes when battery voltage is low
- Signal level: LCD display bar graph

### CONNECTIONS

- Antenna: BNC
- Headset: Receptacle for 1/4" mono phone plug

### POWER

- 4 "AA" replaceable alkaline batteries (18 hours)

### PHYSICAL

- Size: 10.6 cm wide x 16.5 cm long x 6.5 cm high (4.2" x 6.5" x 2.5")
- Weight: 0.7 kg (1.6 lbs) with batteries
- Accessories: Included: Padded nylon case  
Optional: David Clark headset

### ENVIRONMENTAL

- Operating temperature: -20°C to 50°C
- Storage temperature: -70°C to 60°C
- Humidity: 95% non-condensing

### WARRANTY

- One year parts and labor on materials and workmanship



2012 ATS, all rights reserved. Features and specifications subject to change without notice.