Manage your frequency allocation by tracking up to 25 tags on one frequency with ATS.

The new R4520CD System II Receiver/Datalogger from ATS allows you to detect multiple tags on the same frequency. It is the industry’s only receiver that allows you to isolate and track individual tags while other tags are also present on the same frequency.

With the R4520CD you can track 25 animals on one channel and know precisely which animals are within range. Press the select One Button to track your specified animal. All with 99.95% accuracy.

Plus, the sensitivity of the receiver has been increased, and is now 10dB greater than the previous model. You’ll locate targets up to twice as far away as previously available. There’s also a digital port to control antenna switching, a GOES transmitter, or an ATS Remote Data Communication Platform (RDP).

With the on-board GPS receiver, you can log location data at the touch of a button while aerial tracking. Or at unmanned tracking stations, log signal strength data in 100K of data storage.

It’s the planet’s most advanced, most affordable tracking receiver. Just what you would expect from ATS. Finding Solutions. Delivering Results.
ATS R4520CD System II Coded Receiver/Datalogger

**GENERAL**
- Frequency range: Any specified 4 MHz range from 140 to 220 or 30 to 52 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
- DSP signal detection range: ± 2 kHz
- DSP signal detection level: -143 dBm minimum
- Frequency stability: ± 1 kHz -20°C to +50°C
- IF frequency: 10.7 MHz
- IF bandwidth: 6 dB ± 2 kHz; 80 dB ± 7 kHz
- Image rejection: >150 dB
- RF gain control range: >130 dB
- Operating voltage range: 9 to 18 V DC
- Dwell time (scan rate): 1 second to 5 minutes

**MODES & OPERATOR INPUTS**
- **Manual Mode:**
  - Manual operation
  - Isolate TX codes: one, all or none
- **Aerial Mode:**
  - Isolate TX Codes: one, all or none
  - Frequency
  - Table # (1-12)
  - Scan rate
  - GPS (On/Off)
- **PC Mode:**
  - Off-load data
  - Upload and download frequency tables (Excel format)

**DISPLAY (4 line by 20 characters)**
- **Aerial/Manual Mode:**
  - All detected TX codes displayed using scroll function
  - Frequency (Manual mode)
  - Table #, channel # and frequency (Aerial mode)
  - GPS status
  - Signal strength
  - Battery status
- **Stationary Mode:**
  - Table #, channel # and frequency
  - Date and time
  - Antenna #
  - Signal strength

**CONNECTIONS**
- Antenna: BNC socket
- Headset: Receptacle for 0.25” phone plug
- Computer interface: USB connector
- GPS: SMA socket
- Aux. Port: DB15 for external digital control
- External power/recharge receptacle: 4-pin circular

**POWER**
- 12 volts DC nominal: 170 mA (GPS off); 220 mA (GPS on)
- Internal: 4Ah Nickel-Metal Hydride; 18-hours operating time with GPS on
- External: 10 to 18 V DC external

**PHYSICAL**
- Size: 13 cm wide x 20 cm long x 21 cm high (5 x 8 x 8.3”)
- Weight: 2.5 kg (5.6 lbs)
- Accessories (included): External power cord, battery charger, Win Rec off-load software, PC download cable, instruction manual
- Accessories (optional): Headset, GPS antenna, clone cable, padded case, external battery pack

**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

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