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 50 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 50 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



ANTENNA SYSTEMS
CODED ID SYSTEMS
CONSULTING

World's Most Reliable Transmitters and Tracking Systems



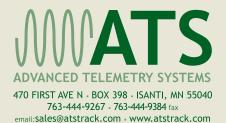








TRANSMITTERS RECEIVERS GPS SYSTEMS ANTENNA SYSTEMS CODED ID SYSTEMS CONSULTING



R410 Scanning Receiver

GENERAL

· Frequency range:

Channel spacing:

Input impedance:

Minimum discernible signal (MDS):

Noise figure:

Speaker:

Frequency stability:

IF frequency:

IF bandwidth:

Image rejection: RF gain control range:

Dwell time (scan time):

Operating voltage range:

Any specified 4 MHz range from 140 to 220 MHz

50 ohms

-150 dBm (0.007 uv into 50 ohms)

3 dB maximum

8 ohms

± 1 kHz -20°C to 50°C

10.7 MHz

6 dB \pm 2 kHz; 80 dB \pm 7 kHz

> 150 dB > 110 dB

3 to 6 volts DC

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

• 50 channels

Nonvolatile memory

DISPLAYS

Selected frequency:

Battery status:

• Signal level:

LCD (0.5" digits) with backlight for night use "low batt" indicator flashes when battery

voltage is low LCD display bar graph

CONNECTIONS

Antenna:

· Headset:

Receptacle for 1/4" mono phone plug

POWER

4 "AA" replaceable alkaline batteries (18 hours)

PHYSICAL

Size:

· Weight:

Accessories:

10.6 cm wide x 16.5 cm long x 6.5 cm high

(4.2" x 6.5" x 2.5")

0.7 kg (1.6 lbs) with batteries Included: Padded nylon case Optional: David Clark headset

ENVIRONMENTAL

Operating temperature:

• Storage temperature:

-20°C to 50°C -70°C to 60°C

Humidity:

95% non-condensing

WARRANTY

· One year parts and labor on materials and workmanship

