OWNER'S MANUAL

PROGRAMMABLE SCANNER

Please read before using this equipment

Veillez lire ces instructions avant d'utiliser l'appareil.

Recepteur programmable & balayage

MANUEL D'UTILISATION
INTRODUCTION

You will hear all the action with your new Realistic PRO-36 Programmable Scanner. The PRO-36 gives you direct access to over 24,000 frequencies in nine action radio bands—including marine, aircraft, ham radio, and transportation services. Your PRO-36 scans up to 20 channels. So, get ready for a lot of excitement.

The secret of the PRO-36 is a custom-designed microprocessor—a computer on a chip. The microprocessor also gives you special functions, such as:

- **Front Panel Keyboard**—lets you easily enter and change frequencies whenever you wish.
- **Large Liquid Crystal Display**—shows the channel number, frequency, error indicator, function indicators, and the low battery indicator.
- **An Optional 2-Second Scan Delay**—helps to prevent your losing replies on an individual channel during scanning.

- **Memory Backup for Channel Entries**—retains the channel frequencies for up to one hour without batteries.
- **Up and Down Direct Search**—lets you find a new frequency.
- **Special Battery-Saving Circuit**—prolongs the life of the batteries—See “Battery-Saving Circuit.”

The PRO-36 covers all these bands:

- 30—50 MHz (VHF Lo)
- 50—54 MHz (Ham Radio 6 meter)
- 108—136 MHz (Airplane)
- 136.005—144 MHz
- 144—148 MHz (Ham Radio 2 meter)
- 148—174 MHz (VHF Hi)
- 380—450 MHz (70 cm Ham Radio)
- 450—470 MHz (UHF Lo)
- 470—512 MHz (UHF TV)

For your personal records, please record your scanner’s serial number in the box below. You'll find the serial number on the back of the unit.

Serial Number: 1002354

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Use of this unit for reception of radio communications not intended for direct reception by the general public may be subject to licencing requirements under the Radio Act of Canada and its regulations. For licencing information consult the Department of Communications.

Hearing Comfort and Your Health

Do not listen (especially using headphones) at extremely high volume levels. Extended, high-volume listening can lead to permanent hearing loss.

Traffic Safety

Do not wear headphones while operating a motor vehicle. This can create a traffic hazard and is illegal in some areas.
INTRODUCTION

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POWER SOURCES

You can power the PRO-36 from one of the following three sources:
- Internal Batteries
- Your Vehicle’s Battery (using an optional DC adapter)
- Standard AC Power (using an optional AC adapter)

USING INTERNAL BATTERIES

The PRO-36 requires six AA batteries for power. For longest battery life and optimum performance, we recommend alkaline batteries (Cat. No. 23-552). Or you can use rechargeable nickel-cadmium batteries (Cat. No. 23-125). On a single charge, the rechargeable batteries do not last as long as alkaline batteries, but you can use the rechargeable batteries again and again.

Caution: The PRO-36 has a built-in charging circuit that lets you recharge nickel-cadmium batteries inside the scanner. However, you must not use this circuit when non-rechargeable batteries are installed in the PRO-36. Be sure to read “External Power Sources” and “Recharging Nickel-Cadmium Batteries.”

Installing Batteries

The PRO-36 uses a removable battery holder to make battery installation easier. You install the batteries in the holder first. Then, you install the holder into the PRO-36’s battery compartment.

1. Remove the battery compartment cover by pressing down on the arrow and sliding off the cover in the direction of the arrow.
2. Remove the battery holder from the battery compartment and install six AA batteries, observing the polarity (+ and -) marked on the battery holder.
3. Place the battery holder in the battery compartment so that the holder’s metal contacts line up with the metal contacts in the battery compartment.

Be sure the holder’s ribbon sticks cut when the holder is in the compartment. The ribbon makes it easier for you to remove the holder next time.

4. Replace the battery compartment cover.

Low Battery Indicator

When the batteries get weak, the B indicator lights on the scanner’s display. You should immediately replace all six batteries. Or, if you are using rechargeable nickel-cadmium batteries, you should recharge all six batteries.

EXTERNAL POWER SOURCES

The PRO-36 has two external power jacks — PWR and CHG — and it is very important that you understand the purpose of each jack before you connect any adapter to the PRO-36. Improper use of the jacks can cause damage to the scanner and/or the power adapter.

The PWR jack supplies power for operation of the scanner and disconnects the internal batteries. You can use this jack with an external power source regardless of what kind of batteries are installed in the PRO-36.

The CHG jack supplies power for operation of the scanner and it also sends power to the internal batteries to recharge them. Use the CHG jack only when you have installed nickel-cadmium batteries in the PRO-36.

Warning: Never use the CHG when non-rechargeable batteries (standard, extra-life, or alkaline) are installed in the scanner. If you attempt to charge the non-rechargeable batteries, they get hot and can even explode.

Using an AC Adapter

To power the PRO-36 from AC power you need Radio Shack’s AC adapter (Cat. No. 273-1455A). Plug the adapter’s barrel plug into the PRO-36’s PWR jack. Then, plug the adapter power module into a standard AC outlet.

When you finish using the AC adapter, disconnect it from the AC outlet first. Then, disconnect it from the PRO-36.

Note: If you have installed rechargeable nickel-cadmium batteries in the PRO-36, you can connect the AC adapter to the CHG jack. This powers the scanner and recharges the batteries at the same time. See “Charging Nickel-Cadmium Batteries.”
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Note: If you have installed rechargeable nickel-cadmium batteries in the PRO-36, you can connect the AC adapter to the CHG jack. This powers the scanner and recharges the batteries at the same time. See “Charging-Nickel-Cadmium Batteries.”
Using a DC Adapter

Note: Mobile use of a scanner is unlawful or requires a permit in some areas. Check the laws in your area.

You can power the PRO-36 from your vehicle's cigarette lighter socket, provided the vehicle has a 12-volt, negative-ground electrical system. To do so, you need Radio Shack's Universal DC Adapter (Cat. No. 270-1560).

DC Adapter (To vehicle lighter socket)

Adaptsplug

When you finish using the DC adapter, disconnect it from the cigarette lighter first. Then, disconnect it from the PRO-36.

Note:
- If you have installed rechargeable nickel-cadmium batteries in the PRO-36, you can connect the DC adapter to the CHG jack. This powers the scanner and recharges the batteries at the same time. See “Charging Nickel-Cadmium Batteries.” See the warning on page 5.
- If the scanner does not operate properly when you use a DC adapter, unplug the adapter from the lighter socket and clean the socket to remove ashes and other debris.

CHARGING NICKEL CADMIUM BATTERIES

The PRO-36 has built-in charging circuit that lets you recharge nickel-cadmium batteries (Cat. No. 23-125) while they are in the unit. To charge the batteries, simply connect an AC adapter (Cat. No. 273-1455A) or a DC adapter (Cat. No. 270-1560) to the PRO-36's CHG jack.

Warning: Do not connect either adapter to the PRO-36's CHG jack if you have installed non-rechargeable batteries (standard, extra-life, or alkaline). Non-rechargeable batteries become hot and can even explode if you try to recharge them.

It takes about 10 to 18 hours to recharge batteries that are fully discharged. You can operate the PRO-36 while recharging nickel-cadmium batteries, but the charging time is lengthened.

Charging Tips

Rechargeable lead-acid batteries, such as your car battery, work better and last longer if you keep them fully charged all the time. However, nickel-cadmium batteries, such as those you use in this unit, react in the opposite way. They last longer and deliver more power if you occasionally let them fully discharge. To do this, simply use the scanner until the low battery indicator appears in the display. Then, fully charge the batteries.

If you do not let nickel-cadmium batteries occasionally discharge, they forget how much power they can deliver. For example, they might deliver only 10 or 20 percent of their actual capacity.

RESETTING THE MEMORY

If the scanner's display locks up or does not work properly after you install new batteries or after you connect an external power source, you might have to reset the scanner's memory.

Caution: Use this procedure only when you are sure the unit is not working properly. This procedure clears all information you have programmed into the scanner.

To reset the memory:

1. Remove the internal batteries and/or disconnect the external power source.
2. Hold down the [CLEAR] button while pressing the [RESET] button. Use the tip of a pen or pencil to press [RESET].
Using a DC Adapter

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![DC Adapter](image)

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PREPARATION

CONNECTING THE ANTENNA

Attach the flexible antenna to the ANT (antenna) jack on top of your PRO-36. Slip the slot in the antenna’s connector over the protrusion on the ANT jack, and rotate the antenna’s connector until the antenna locks into place.

The ANT jack on your PRO-36 makes it easy to use with a variety of antennas. The supplied antenna can be removed if you wish to try a different one. You can attach an external mobile antenna or an outdoor base antenna.

Use coaxial cable to connect an outdoor antenna. Always use 50 ohm coaxial cable. For lengths over 50 feet, use RG8 low-loss, dielectric coaxial cable.

CONNECTING AN EARPHONE

For private listening, plug an earphone into the EAR jack on top of your PRO-36. This automatically disconnects the speaker. We recommend Radio Shack’s earphone, Cat. No. 33-175. In a noisy environment, mono headphones (Cat. No. 20-210) make listening easier.

CONNECTING AN EXTENSION SPEAKER

In a noisy area, an extension speaker such as Radio Shack’s Cat. No. 21-549, positioned in the right place, might provide more comfortable listening. Plug the speaker cable’s 1/8-inch mini plug into the PRO-36’s EAR jack.

OPERATION

Although the scanner will not stop on a frequency when first turned on, it might start scanning. To stop the scanning press [MANUAL] or [PGM]. You must program a frequency before the PRO-36 will stop on a signal. A look at the display makes the PRO-36 easier to program.

USING THE DISPLAY

An abbreviation on the display shows you the mode of operation.

Sometimes when you try to enter a frequency or a channel, Error appears on the display. This means you made a mistake during entry.

You might have entered a frequency that is outside the PRO-36’s range (such as 225.00 MHz), or put the decimal point in the wrong place (14.682 MHz instead of 146.82 MHz), or entered a channel number incorrectly. (The PRO-36 accepts only channel 1 through 20.) Check carefully to find your mistake, and then press [CLEAR] or simply program the correct number (over the incorrect one).

Notes:
- Press the [LIGHT] key to illuminate the display for reading in the dark.
- A low battery indicator [B] appears on the right of the display when the batteries get weak. When the indicator appears, replace all the batteries, or if you are using nickel-cadmium batteries, recharge them.
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![Antenna Image](image)

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PROGRAMMING FREQUENCIES

Selecting a Channel

You can select a channel into which you wish to program a frequency by repeatedly pressing [MANUAL] or [PGM]. The display moves through all 20 channels in sequence.

Or, you can skip to the channel you want by pressing [MANUAL], entering the channel number on the keypad, and pressing [MANUAL] again.

In the programming mode, you can use [PGM] as noted in the chart below.

1. Turn VOLUME on.
2. Slide the KEY-LOCK switch to KEY. In the LOCK position, the KEY-LOCK switch disables the keys.

Selecting a Frequency

Select one of the frequencies that is active in your area. The frequency used in the instructions below is only an example.

/DLY Key (for decimals)

Use the [/DLY] key to enter decimal points when programming frequencies.

3. Press [MANUAL] and enter the number(s) for the channel in which you wish to program a frequency.
4. Press [PGM].
5. Using the number keys, enter the frequency.
6. Press [ENTER] to store the frequency in memory for this channel.

Press [PGM] to advance to the next channel, and repeat Steps 5 & 6 to program another channel frequency.

- If you enter an invalid frequency or channel, Error appears on the display.

Tips for Programming

- If you make a mistake while entering a number, you can clear it by pressing [CLEAR]. Another way to correct a mistake is to press [ENTER] and then re-enter the entire frequency.
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MANUAL MODE

In this mode, you select a channel and stay on it until you select another channel. After you complete the programming, press [MANUAL] to enter the manual mode. Then, press [MANUAL] repeatedly to advance sequentially through the channels, or move directly to a channel by entering the channel number on the keypad and pressing [MANUAL].

VOLUME and SQUELCH Controls

Rotate the OFF/VOLUME control to turn on the PRO-36. Rotate SQUELCH counterclockwise until you hear a rushing sound.

If you do not hear this noise, turn the OFF/VOLUME control to increase the sound.

Then, slowly rotate SQUELCH clockwise until the noise stops.

SCANNING FOR FREQUENCIES

When you press [SCAN], your PRO-36 scans the channels and stops when it finds a signal on a programmed frequency, provided squelch is adjusted properly.

Note: Your PRO-36 will not scan if SQUELCH is set so that you can hear the rushing sound between transmissions.

As soon as the signal ends, your PRO-36 immediately begins scanning other channels. Most transmissions are part of a two-way communication. Press [./DLY] when you wish to hold a channel long enough to hear a reply to the original signal. DLY appears on the display, and your PRO-36 then holds that channel about 2 seconds between transmissions before it continues scanning.

To disable the delay function, display the channel and press [./DLY] a second time.

L/OUT (lock out) Key

If there is a channel you do not wish to monitor, such as a continuously transmitted weather channel, press [MANUAL]. Enter the channel number containing the weather frequency on the keypad and press [MANUAL]. Then, press [L/OUT].

Or, press [MANUAL] repeatedly until the channel you want appears on the display. Then, press [L/OUT]. The PRO-36 now skips this unwanted channel during the scanning process.

If you wish to reach a locked-out channel, you can call it up in the manual mode.

To disable the lockout function, display the channel and press [L/OUT] a second time.

USING ▲ AND ▼ TO SEARCH FOR AND STORE A FOUND FREQUENCY

1. Press [MANUAL].

2. Enter the desired channel number on the keypad.


4. Press [PGM].

5. Press the numeral keys for a frequency.

6. Press [ENTER].

7. To search for another frequency, press ▲ to search upward for higher frequencies.

8. Press ▼ to search downward for lower frequencies.
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USING ▲ AND ▼ TO SEARCH FOR AND STORE A FOUND FREQUENCY

1. Press [MANUAL].

2. Enter the desired channel number on the keypad.


4. Press [PGM].

5. Press the numeral keys for a frequency.

6. Press [ENTER].

7. To search for another frequency, press ▲ to search upward for higher frequencies.

8. Press ▼ to search downward for lower frequencies.
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 9. If you want to store the frequency found by the PRO-36, press [0/MON]. The frequency is now stored in the temporary memory. | ![Image](13x0 to 612x46)
| 10. To store the frequency in a specific channel, you must first press [PGM]. | ![Image](47x49 to 57x409)
| 11. Enter the channel number in which you wish to store the frequency. | ![Image](65x457 to 194x629)
| 12. Press [PGM]. | ![Image](66x522)~cnu>5;;:C::E
| 13. Press [0/MON] to recall the frequency. | ![Image](66x522)0 c::Q)Q)C::C)uo~
| 14. Press [ENTER]. The frequency is now stored in the chosen channel. | ![Image](66x522).-cn._Q)ucnu

### Using 0/MON
The monitor key functions in two ways. It enters the zero for numbers, and in the search mode it can monitor a frequency. When the scanner is searching through the VHF/UHF bands and you find an interesting frequency, you can store this frequency in temporary memory by pressing [0/MON].

### USING KEY LOCK SWITCH
When you don't want the scanner to change modes, slide the KEY LOCK switch to LOCK. This disables any keyboard operation.

### CLEARING MEMORY
**Clearing a Channel**
To clear the contents of a channel, first, press [PGM]. Then, while holding down the [CLEAR] key, press [ENTER]. The previous content is cleared and the display shows 000.000.

**Using the Reset Button to Clear All Channels**
Note: All the frequencies you have stored in memory are lost when you use this procedure.

To clear the entire memory of the PRO-36, hold down [CLEAR] and press the reset button inside the battery compartment.

### BATTERY-SAVING CIRCUIT
Your PRO-36 features a special battery-saving circuit. In the manual mode, if no signal is received with the SQUELCH set so that you hear no rushing noise, and/or no key operation is made for five seconds, the unit enters the standby mode. In standby, the PRO-36 "rests" one second, and then, it checks for possible signals for 1/2 second. The unit repeats this cycle until it receives a signal. During standby, the PRO-36 uses 40% of the power consumed during regular operation.
9. If you want to store the frequency found by the PRO-36, press [0/MON]. The frequency is now stored in the temporary memory.

<table>
<thead>
<tr>
<th><img src="image1.png" alt="Display" /></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Srch</strong></td>
</tr>
<tr>
<td>--</td>
</tr>
</tbody>
</table>

10. To store the frequency in a specific channel, you must first press [PGM].

<table>
<thead>
<tr>
<th><img src="image2.png" alt="Display" /></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PGM</strong></td>
</tr>
</tbody>
</table>

11. Enter the channel number in which you wish to store the frequency.

<table>
<thead>
<tr>
<th><img src="image3.png" alt="Display" /></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PGM</strong></td>
</tr>
</tbody>
</table>

12. Press [PGM].

<table>
<thead>
<tr>
<th><img src="image4.png" alt="Display" /></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PGM</strong></td>
</tr>
</tbody>
</table>

13. Press [0/MON] to recall the frequency.

<table>
<thead>
<tr>
<th><img src="image5.png" alt="Display" /></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PGM</strong></td>
</tr>
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14. Press [ENTER]. The frequency is now stored in the chosen channel.

<table>
<thead>
<tr>
<th><img src="image6.png" alt="Display" /></th>
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A GENERAL GUIDE TO SCANNING

BIRDIES

Birdies are the products of internally generated signals that make some frequencies difficult or impossible to receive. If you program one of these frequencies, the scanner locks up and you hear only noise on that frequency.

If the interference is not severe, you might be able to rotate SQUELCH clockwise to cut out the birdie. The most common “birdies” to watch for are listed below.

Birdies Frequencies

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>Value (MHz)</th>
</tr>
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<tbody>
<tr>
<td>32.000</td>
<td>140.800</td>
</tr>
<tr>
<td>38.400</td>
<td>143.000</td>
</tr>
<tr>
<td>44.800</td>
<td>147.200</td>
</tr>
<tr>
<td>45.505</td>
<td>147.625</td>
</tr>
<tr>
<td>49.600</td>
<td>147.710</td>
</tr>
<tr>
<td>51.005</td>
<td>147.710</td>
</tr>
<tr>
<td>51.200</td>
<td>148.700</td>
</tr>
<tr>
<td>108.800</td>
<td>149.400</td>
</tr>
<tr>
<td>113.000</td>
<td>153.600</td>
</tr>
<tr>
<td>115.200</td>
<td>155.420</td>
</tr>
<tr>
<td>121.600</td>
<td>155.800</td>
</tr>
<tr>
<td>125.800</td>
<td>160.000</td>
</tr>
<tr>
<td>126.225</td>
<td>162.200</td>
</tr>
<tr>
<td>126.300</td>
<td>168.600</td>
</tr>
<tr>
<td>128.000</td>
<td>172.800</td>
</tr>
<tr>
<td>134.400</td>
<td>403.350</td>
</tr>
<tr>
<td>458.600</td>
<td>458.600</td>
</tr>
<tr>
<td>465.200</td>
<td>465.200</td>
</tr>
<tr>
<td>472.000</td>
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</tr>
<tr>
<td>489.250</td>
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</tr>
<tr>
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Even with the SQUELCH control set to maximum (fully clockwise), scanning might stop on or around some of these frequencies. If the signal is strong enough (above 10 µV in technical terms), you can listen for transmissions on the channel. But, you have to use [MANUAL] to move away from the troublesome frequency.

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Reception on the frequencies covered by your PRO-36 is mainly “line of sight.” That means you usually won’t be able to hear stations at your listening location that are located beyond the horizon.

During the summer months, you might be able to hear stations in the 30-50 MHz range located several hundreds or even thousands of miles away. This is due to summer atmospheric conditions. This type of reception is unpredictable, but often very interesting!

One very useful service is the National Weather Service’s continuous weather broadcast. These broadcasts contain weather forecasts and data for the area around the station, plus bulletins on any threatening weather conditions. These stations use three frequencies - 162.40, 162.475 or 162.55 MHz. In most areas of the country, you can receive one of these frequencies.

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The frequencies stored in the PRO-36 memory are held for approximately one hour without AA batteries or adapter power. Check memory contents after replacing batteries.

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Keep the PRO-36 dry. If it does get wet, wipe it dry immediately. Liquids can contain minerals that can corrode the electronic circuits.

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Handle the PRO-36 gently and carefully. Dropping it can damage circuit boards and cases and can cause the product to work improperly.

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Modifying or tampering with the PRO-36's internal components can cause a malfunction and might invalidate the PRO-36's warranty. If your PRO-36 is not performing as it should, take it to your local Radio Shack store. Our personnel can assist you and arrange for service if needed.

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<table>
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<tr>
<th>Mode</th>
<th>Frequency Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF-Lo</td>
<td>30 – 50 MHz (in 5 kHz steps)</td>
</tr>
<tr>
<td>Ham</td>
<td>50 – 54 MHz (in 5 kHz steps)</td>
</tr>
<tr>
<td>Aircraft</td>
<td>108 – 136 MHz (in 25 kHz steps)</td>
</tr>
<tr>
<td></td>
<td>136.005 – 174 MHz (in 5 kHz steps)</td>
</tr>
<tr>
<td>Ham</td>
<td>144 – 148 MHz (in 5 kHz steps)</td>
</tr>
<tr>
<td>VHF-Hi</td>
<td>148 – 174 MHz (in 5 kHz steps)</td>
</tr>
<tr>
<td>Ham</td>
<td>380 – 450 MHz (in 12.5 kHz steps)</td>
</tr>
<tr>
<td>UHF-Lo</td>
<td>450 – 470 MHz (in 12.5 kHz steps)</td>
</tr>
<tr>
<td>UHF-TV</td>
<td>470 – 512 MHz (in 12.5 kHz steps)</td>
</tr>
</tbody>
</table>

Channels of operation:

Any 20 channels in any band combinations.

SENSITIVITY:

<table>
<thead>
<tr>
<th>Mode</th>
<th>Signal-to-Noise Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 – 54 MHz</td>
<td>1.0 µV</td>
</tr>
<tr>
<td>108 – 136 MHz</td>
<td>2.0 µV</td>
</tr>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>30 – 54 MHz</td>
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<tr>
<td>380 – 512 MHz</td>
<td>Not specified</td>
</tr>
</tbody>
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SELECTIVITY:

<table>
<thead>
<tr>
<th>Mode</th>
<th>Rejection Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>± 10 kHz</td>
<td>-6 dB</td>
</tr>
<tr>
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<td>-50 dB</td>
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IF REJECTION:

<table>
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<tr>
<th>Mode</th>
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</thead>
<tbody>
<tr>
<td>10.7 MHz</td>
<td>50 dB at 154 MHz</td>
</tr>
</tbody>
</table>

SCANNING RATE:

8 channels/sec.

DELAY TIME:

2 seconds

MODULATION ACCEPTANCE:

± 8 kHz

IF FREQUENCIES:

10.7 MHz and 455 kHz

FILTERS:

1 crystal filter, 1 ceramic filter

SQUELCH SENSITIVITY:

Threshold: Less than 1.0 µV

Tight:

VHF Lo, Hi, UHF (S + N)/N 25 dB

Aircraft (S + N)/N 20 dB
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<tbody>
<tr>
<td>VHF Lo, Hi, UHF</td>
<td>(S + N)/N 25 dB</td>
</tr>
<tr>
<td>Aircraft</td>
<td>(S + N)/N 20 dB</td>
</tr>
</tbody>
</table>
ANTENNA IMPEDANCE:
50 ohms

AUDIO POWER:
200 mW nominal

BUILT-IN SPEAKER:
1 3/4" (45 mm) 8 ohm, dynamic type

POWER REQUIREMENT:
+9 V DC, 6 AA batteries, or a suitable adapter (negative ground only)

DIMENSIONS:
6-1/2" (165 mm) × 2-3/4" (69 mm) × 1-13/16" (46 mm) HWD

WEIGHT:
14 oz. (400 g)
ANTENNA IMPEDANCE:
50 ohms

AUDIO POWER:
200 mW nominal

BUILT-IN SPEAKER:
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6-1/2" (165 mm) × 2-3/4" (69 mm) × 1-13/16" (46 mm) HWD

WEIGHT:
14 oz. (400 g)
Limited One-Year Warranty

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