

Operating Guide

REGENCY

20 Channel Base Scanner
R3020



INTRODUCTION

Congratulations! You've chosen the Regency R3020 as your base scanner. The R3020 has been engineered to exacting industrial specifications for reliable, dependable, operation. This radio gives you a full complement of bands, program-mable channel frequencies (no crystals required - ever!) and much more. We are sure you will be proud to own the Regency R3020, and to insure that you get the most out of all the features, please read this operating guide completely before using your scanner. If you have any questions or comments about the Regency R3020, please write the Regency Customer Service Center listed on the back of this guide. Be sure to include your serial number.

All Regency radio scanners are certified in accordance with FCC Rules and Regulations Part 15 as of the date of manufacture.

WARNING

Regency does not represent this unit to be waterproofed. To reduce the risk of electrical shock, fire hazard, or damage to the unit, do not expose to rain or moisture.

UNPACKING YOUR UNIT

Carefully remove the unit from the shipping carton and check the contents against the following list:

- Regency R3020
- Earphone
- Telescoping Antenna
- Operating Guide
(read it and save)
- Product Registration Card
(fill out and return)

If any of these items are missing or if there are signs of physical damage, DO NOT attempt to operate the unit. Notify your dealer or shipping carrier immediately.

Note: *Keep the shipping carton and packing materials, as well as all printed material. This carton serves as an excellent method to transport your new scanner for service or any other reason.*

PROGRAMMING

1. To program 162.550 into channel 1:

Press **[MANUAL]** **[1]** **[MANUAL]** This causes the scanner to enter manual mode and go directly to channel 1.

Press **[PROGRAM]**. The channel number will start to blink, indicating programming mode is now activated.

Press **[1]** **[6]** **[2]** **[.]** **[5]** **[5]** **[ENTER]**

(Final zeros to the right of the decimal point will be entered automatically.)

The display will show the frequency and channel number (channel 1).

Press **[MANUAL]** or **[SCAN]** to exit programming mode. If you press the **[PROGRAM]** key again, the scanner will move up to the next channel, and remain in programming mode for easy entry of another frequency.

2. To program 471.2375 into channel 5:

Press **[MANUAL]** **[5]** **[MANUAL]** This causes the scanner to enter manual mode and go directly to channel 5.

Press **[PROGRAM]**. The channel number will start to blink, indicating programming mode is now activated.

Press **[4]** **[7]** **[1]** **[.]** **[2]** **[3]** **[7]** **[5]** **[ENTER]**

The display will show the frequency (rounded off to 3 decimal places) and channel number (channel 5).

Press **[MANUAL]** or **[SCAN]** to exit programming mode. If you press the **[PROGRAM]** key again, the scanner will move up to the next channel, and remain in programming mode for easy entry of another frequency.

If you attempt to enter a frequency outside the range of the Regency R3020, the display will show "Error". If this happens, simply press **[CLEAR]** and then re-enter the correct number.

The Regency R3020 has been designed to automatically enter trailing zeros. For all frequencies, YOU MUST PRESS THE DECIMAL POINT or "Error" will appear.

When first turned on after the purchase, a test frequencies may be found in each of the channels. When you program your own frequencies, these test frequencies will be erased.

YOUR SCANNER

SEARCH MODE

The R 3020 has a search mode that is very useful for finding new or unpublished frequencies. To enter search mode, proceed as follows:

1. To search from 460.000 MHz to 461 MHz

Press **[PROGRAM]** **[LIMIT]** **[CLEAR]**. The scanner will enter programming mode, with the search frequency display reset to zero, and the unit ready for entry of the lower limit.

Press **[4]** **[6]** **[0]** **[.]** **[ENTER]**

The display will show "Lo 460.000". This means that 460.000 MHz has been programmed in as the lower limit of the search.

Press **[LIMIT]**.

The display will show "Hi 000.000".

Press **[4]** **[6]** **[1]** **[.]** **[ENTER]**.

The display will show "Hi 461.000". This means that 461.000 MHz has been programmed in as the upper limit of the search.

At this point, pressing **[V]** will start the searching frequencies from the lower limit to the upper limit, or **[A]** will start searching frequencies from the upper limit to the lower limit. To return to normal scanning, simply press the **[SCAN]** key.

If the unit stops on a frequency during search mode, and you wish to temporarily stop on that frequency, press the **[MONITOR]** key. To resume searching, press either the **[A]** or **[V]** buttons.

SQUELCH

The squelch function controls the sensitivity of the receiver. It adjusts the level at which the scan mode will stop to receive a transmission on any frequency. Rotate the "SQUELCH" control clockwise until you hear background noise and then turn it back counterclockwise until the noise is silenced. This will set the scanner to receive any transmission above the level of background noise. You can adjust the squelch level to pick up more distant signals by turning it clockwise, or less distant by turning it back. Alternatively, you can turn the squelch control fully counterclockwise until you hear a click. This engages the auto-squelch, eliminating any need to set the squelch manually.

MANUAL CHANNEL SELECTION

If you wish to select a channel manually, press **[MANUAL]**, the desired channel number, then **[MANUAL]** again. The unit will then display the channel number and frequency for the desired channel. If you press the **[MANUAL]** key again, the unit will step up to the next channel.

FREQUENCY

Because of the short-range nature of VHF and UHF FM communications, frequencies allocated to services in one geographical location will not be heard more than 25-50 miles distance (an exception is "skip" when signals bounce back to earth from the ionosphere). For this reason a separate frequency directory must be compiled for each local monitoring area.

Most standard frequency separations and classifications are regulated in the United States by the FCC. Block allocations and even some discrete frequencies covered by your scanner are shown below. These frequencies are not necessarily active in your area. Regency provides an eastern or western regional directory and a local listing of active frequencies. See the Optional Accessories section for more information.

Abbreviations

The following is a brief listing of the services typical of the bands received by your scanner. This listing can help you decide which ranges you would like to scan.

Affiliate Radio System	MARS
Amateur	Ham
Automobile Emergency	Auto Emer.
Broadcast Remote	BC, R.
Bureau of Reclamation	Bur. Recl.
Civil Air Patrol	CAP
Department of Agriculture	
and Forestry	Agr. and For.
Fire Department	F.D.
Forest Products	For. Prod.
Forestry Conservation	Fors. Cons.
Government	Govt.
Highway Maintenance	Hwy.
Indian Affairs	
Land Transportation	Land Tr.
Local Government	L. Govt.
Manufacturers	Mfg.
Marine	
Military	MIL
Mobile Telephone	Mob. Tel.
Motion Picture	Mot. P.
Motor Carrier	Buses, Trucks
National Parks	Nat. Park
Patroleum	Pet.
Police	P.D.
Power Utilities	Power
Radio Paging	Page
Railroad	R.R.
Relay Press	Press
State Police	St. P.D.
Special Emergency	Sp. Ind.
Taxicab Radio	Taxi
Telephone Maintenance	Tel. Maint.
U.S. Coastal	
and Geodetic Survey	U.S.C.G.S.
U.S. Navy	USN
U.S. Weather Bureau	U.S.W.B.

29 - 54 MHz BAND

29.00 - 29.70	10-AM
29.70 - 29.80	For. Prod.
29.80 - 30.00	Aero.
30.01 - 30.55	Govt.
30.56 - 30.62	Sp. Ind.
30.66 - 31.24	Ind. (Pet., For. Cons., Bus. For. Prod.)

31.26 - 31.98	Sp. Ind., For. Cons.
32.00 - 33.00	Govt.
33.02 - 33.16	Hwy., Sp. Emer. Bus.
33.18 - 33.38	Pet.
33.42 - 33.38	F.D.
34.00 - 35.00	Govt.
35.02 - 35.18	Bus.
35.22 - 35.66	Mob. Tel. & Page
35.70 - 35.72	Bus.
35.74 - 35.98	Sp. Ind. & Bus.
36.00 - 37.00	Govt.
37.02 - 37.44	P.D. & L. Govt.
37.46 - 37.56	Power
37.90 - 37.98	Hwy. & Sp. Emer.
38.00 - 39.00	Govt.
39.02 - 39.98	P.D., L. Govt.
40.00 - 42.00	Govt.
42.02 - 42.94	St. P.D.
42.96 - 43.18	Sp. Ind. & Bus.
43.22 - 43.68	Mob. Tel. Page
43.70 - 44.60	Trucks, Bus.
44.62 - 45.06	St. P.D., For. Cons.
45.08 - 45.86	P.D.
45.88 - 46.04	P.D. Hwy., Sp. Emer.
46.06 - 46.50	F.D.
46.52 - 46.58	L. Govt.
46.60 - 47.00	Govt.
47.02 - 47.40	St. Hwy.
47.42 - 47.58	Red Cross
47.60 - 47.68	Sp. Ind. Sp. Emer.
47.70 - 48.54	Power
48.56 - 49.58	For. Prod., Pet.
49.60 - 50.00	Govt.
50.00 - 54.00	6 Meter Amateur (Ham) Band

108 - 136 MHz BAND

108.000 - 118.000	Air Navigation
118.000 - 136.000	Aircraft

135 - 174 MHz BAND

138.005 - 144.000	Govt.
144.000 - 148.000	HAM
148.010	MARS
148.150	CAP
148.155 - 148.250	MIL
148.250 - 150.750	USN
150.815 - 150.995	Bus.
151.010 - 151.130	HVWY
151.145 - 151.475	For. Cons.
151.505 - 151.595	Sp. Ind.

ALLOCATIONS

151.625 - 151.955	Bus.
151.955 - 152.240	Mob. Tel. (RCC)
152.270 - 152.450	Taxi
152.480 - 152.540	Mob. Tel. Page
152.570 - 153.020	Sp. Ind. Mtr. P.
153.050 - 153.440	Pet., For. Prod.
153.470 - 153.710	Power
153.740 - 154.115	L. Govt.
154.130 - 154.445	F.D.
154.450 - 154.600	Sp. Ind., Pet., Bus.
154.655 - 155.145	P.D., L. Govt., St. P.D.
155.160 - 155.400	Sp. Emer., P.D.
155.415 - 156.030	P.D., L. Govt.
156.045 - 156.240	Hwy., P.D.
156.275 - 157.425	Marine
157.456 - 157.500	Auto Emer.
157.530 - 157.710	Taxi
157.740 - 158.100	Mob. Tel., Page
158.130 - 158.480	Power, For. Prod., Pet.
158.490 - 158.700	Mob. Tel. (RCC)
158.730 - 159.070	P.D., L. Govt.
159.085 - 159.210	P.D. Hwy.
159.225 - 159.465	For. Cons.
159.510 - 160.200	Trucks
160.215 - 161.685	R.R.
161.690 - 162.000	Marine
162.026 - 162.175	Bur. Recl.
162.400	U.S.W.B.
162.550	U.S.W.B.
163.125	Indian Affairs
163.175	Bur. Recl.
163.275	U.S.W.B.
163.388 - 163.538	MIL
163.625 - 163.975	Govt.
164.025 - 164.075	U.S.C.G.S.
164.175 - 165.188	Bur. Recl., Nat. Pk. Govt., Agr. & For.
169.300	F.A.A.
169.450 - 169.725	Ind., Data
170.150	F.D., BC, R.
170.200 - 170.220	U.S.C.G.S.
170.225 - 170.325	Ind., Land Tr.
170.425 - 170.575	For. Cons.
170.975 - 171.250	Govt. Ind., Land Tr.
171.388 - 172.725	Bur. Recl., For. Cons., Ind., Dept. Ag. & For.
172.775	Nat. Pk.
173.025	U.S.W.B.
173.075	U.S.C.G.S.
173.204	Mol. P., Pet., Bur. Recl., Press Relay.

406 - 512 MHz BAND

406.000 - 426.000	Govt.
420.000 - 430.000	HAM
450.050 - 450.950	Remote Br.
451.000 - 451.150	Util.
451.175 - 451.750	For. Prod., Pet., Power., Tel. Maint.
451.775 - 451.975	Spec. Ind.
452.200 - 452.500	Taxi, Mot. Carrier & R.R.
452.525 - 452.600	Auto Club
452.625 - 452.975	BC, R., Motor Carrier & R.R.
453.000 - 453.975	L. Govt., P.D. & F.D.
454.000 - 454.975	Mob. Tel. & Page
455.000 - 455.975	Remote Br.

458.000 - 458.975	P.D., F.D. Ind., Land Tr.
459.000 - 459.975	Mob. Tel., Page, & Domestic Public
460.000 - 460.625	P.D., F.D.
460.650 - 462.175	Bus.
462.200 - 462.450	Taxi
462.550 - 462.725	C.B.
462.750 - 462.975	Bus.
463.000 - 463.175	Medical
463.200 - 464.975	Bus.
465.000 - 467.500	P.D., F.D., Ind., Land Tr.
467.5375 - 467.7375	C.B.
467.7375 - 469.925	Pub. Safety, Ind., & Land Tr.

In some large metropolitan areas, 1 or 2 channels of the "TV Band" (470 MHz to 512 MHz) are used for communication purposes. Each TV station (channels 14 through 29) utilizes 6 MHz.

470 - 476 T.V. Channel 14
476 - 482 T.V. Channel 15
482 - 488 T.V. Channel 16
488 - 494 T.V. Channel 17
494 - 500 T.V. Channel 18
500 - 506 T.V. Channel 19
506 - 512 T.V. Channel 20

Where these frequencies are assigned for communication purposes, in lieu of a TV station, the 6 MHz segment is allocated as shown here for Channel 14 (470 - 476 MHz).

470.0125 - 470.2875	Domestic Public, (Base, Mob.)
470.3125 - 471.1375	Public Safety
471.1625 - 471.2875	Reserve Pool A
471.3125 - 471.4125	Pwr., Tel. Maint.
471.4375 - 471.8375	P.D., Spec. Ind.
471.8625 - 471.7875	Reserve Pool B
471.8125 - 472.3375	Bus.
472.3625 - 472.4375	Taxi
472.4675 - 472.7875	R.R., Motor Carrier, Auto Emer.
472.8125 - 472.9875	Pet., For. Prod., Mfg.
473.0125 - 473.2875	Domestic Public
473.3125 - 474.1375	Public Safety
474.1625 - 474.2875	Reserve Pool A
474.3125 - 474.4125	Pwr., Tel. Maint.
474.4375 - 474.8375	Spec. Ind. (Mobile)
474.8625 - 474.7875	Reserve Pool B
474.8125 - 475.3375	Bus.
475.3625 - 475.4375	Taxi
475.4625 - 475.4875	R.R., Motor Carrier, Auto Emer.
475.5125 - 475.9875	Pet., For. Prod., Mfg.

The same allocation pattern is repeated for each of the TV channels 14 through 20. For example, if channel 17 is assigned for communications in your area, "Taxi" would be 490.3625 to 490.4375 and 495.3625 to 495.4375 (corresponding to 472.3625 to 472.4375 and 475.3625 to 475.4375 above). Note that in the example, we added three TV channels (18 MHz to the channel 14 frequencies).

INSTALLATION

INSTALLING THE ANTENNA

Insert the connector end of the telescoping antenna provided into the receptacle on rear of the unit. An external antenna may be helpful in fringe areas. Always use 50-70 ohm coaxial cable for lead-in. For lengths in excess of 50 feet, RG8AU low-loss foam dielectric coax is recommended. Your scanner is equipped with a Motorola type BNC connector. You may need an adaptor (optional) or other type of mating plug for proper connection.

Connecting Power

Plug the unit into any standard 120VAC 60 Hz wall outlet for power.

Unit Placement

Select a convenient place for the unit. It should not be installed in areas of high humidity, or where it could fall into water and create an electric shock hazard (such as kitchen or bathroom).



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



Explanation of Graphical Symbols

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:
TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS RECEIVER TO RAIN OR MOISTURE.

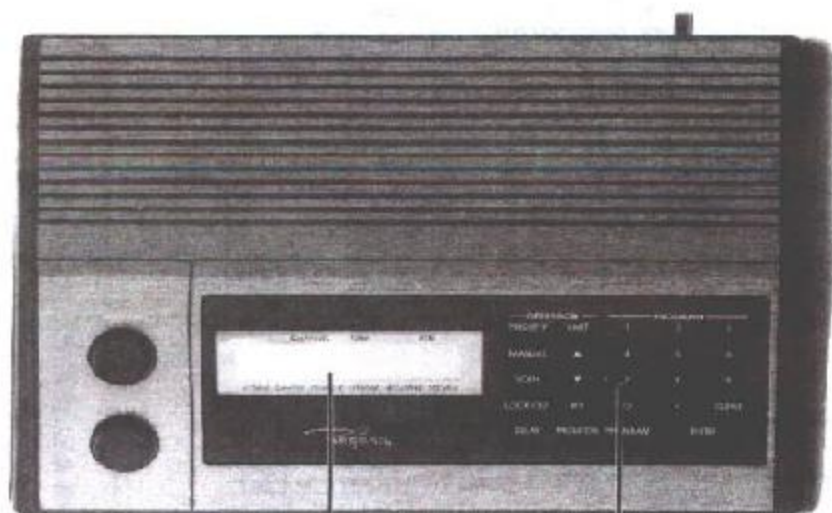
FRONT PANEL FEATURES (Figure 1)

1. **On/Off Volume Control** — Rotary control turns the receiver on and off, and adjusts the volume.
2. **Squelch** — Rotary control is used to silence background noise. The radio should be squelched (silent) when no signal is present. Turn the control clockwise to receive more distant (weaker) signals.
3. **Earphone Jack** — Connect earphone for private listening. When earphone is connected, main speaker is disconnected.
4. **Liquid Crystal Display** — The LCD shows channel number, frequency, PRIORITY if the Channel 1 priority mode is enabled, LOCK OUT when certain channels are locked out of the scanning process, DELAY when channel scan delay is enabled, WX SEARCH and Error to indicate an erroneous entry.
5. **Priority** — When the priority function is enabled, channel 1 is automatically checked every 2 seconds for activity, even when stopped on another channel.
6. **Manual** — Stops the scan function, steps scanner through channels in sequence, and allows direct channel access.
7. **Scan** — Press to start scanning all active channels.
8. **Lockout** — Locks out the reception of signals on any selected channels while scanning only.
9. **Delay** — Used to enable the 2 second channel scan delay.
10. **Limit** — Used to enter the search programming mode.
11. **▲** — Pressing this key starts search mode in ascending order.
12. **▼** — Pressing this key starts search mode in descending order.
13. **WX** — Pressing this key automatically searches all NOAA weather channels for the one that is active in your area.
14. **Monitor (hold)** — When in search mode, pressing this key pauses the search on the frequency being monitored when the key was pressed.
15. **Numeric keys 0 through 9 and decimal point** — These are used to program frequencies.
16. **Clear** — Used to correct wrong entries and to reset the search limits.
17. **Program** — Used to place the R 3020 into programming mode.
18. **Enter** — When pressed, tells the R 3020 to store the frequency information entered.

REAR PANEL (Figure 2)

19. **Reset Button** — Clears all of the frequencies in memory.
20. **Antenna Connector** — Motorola type connector for custom telescoping antenna.

CTIONS



DISPLAY

Front Panel Controls

Fig. 1



Rear view

Fig. 2

LIQUID CRYSTAL DISPLAY

CAUTION: *Because of inherent limitations, liquid crystal displays should not be subject to extremes of temperature or humidity. If the unit is exposed to temperatures below -20°C (-5°F) or above $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$), the display may temporarily cease to function properly, and in some cases permanent damage may result. It is, therefore, recommended that the radio not be subjected to extreme conditions, such as in direct sunlight or continuous sub-zero temperatures.*

OPERATION

Now that you are familiar with the controls and their functions, you are ready to use your scanner. The following instructions illustrate the operation of your Regency R3020. Please read each section thoroughly before attempting to program your scanner. Each section explains a function and then shows the key strokes involved in that function.

NOTE: If you know the exact frequencies you wish to scan, proceed with the "PROGRAMMING" section. If you do not know the frequencies (i.e., police, fire, weather, etc.) you wish to scan, check with your dealer. Regency also makes frequencies available in its Regency Frequency Directory and Local Frequency List. See the order forms packed with your unit.

LOCKOUT

There may be times when you wish to skip over a channel that you have programmed into your Regency R3020. Any number of channels can be "Locked Out" so that the scanner skips over them. To Lock Out a channel, select the channel number you wish to skip over (see the section on manual channel selection). Press the **[LOCKOUT]** key. The word "LOCK OUT" will appear in the display whenever that channel number appears. To cancel the lock out mode simply select the channel manually, and then press the **[LOCKOUT]** key when that channel number appears.

SCAN

To scan the channels programmed in memory, press the **[SCAN]** key. The channels will automatically scan at the rate of approximately 10 channels per second. As the unit scans, the channel digits in the display will advance rapidly, indicating the scanning mode. In order to stop the scan mode, a transmission must be present on one of the programmed frequencies. The squelch control must also be set so that the transmission will "break squelch" and stop the scan. You can also stop scanning by pressing the **[MANUAL]** key.

SCAN DELAY

The Regency R3020 can be programmed to pause for about 2 seconds after a transmission ends on any channel. This is useful in preventing the continuation of scanning when there is a slight pause in transmission. It is also useful when both sides of a conversation are occurring on the same channel. To turn on the scan delay for a channel, select the channel (see the section on manual channel selection). When the desired channel is displayed, press the **[DELAY]** key. The word "DELAY" will then be displayed alongside the channel number. To remove the delay, simply repeat this procedure.

ERROR MESSAGE

To inform the user that you are attempting to store an out-of-band frequency in memory, the R3020 automatically displays "Error" in this event. The condition may arise when the user presses ENTER with an invalid number in the display. The user should simply press the **[CLEAR]** key, and then enter an in-band frequency (see programming section) to clear the ERROR indication.

EARPHONE

For private listening, plug the earphone into the Earphone jack on the front of your R3020. This automatically disconnects the speaker.

WEATHER SCAN

To automatically scan for the NOAA weather frequency active in your area, just press the **[WX]** key. Press **[SCAN]** to resume normal scanning.

ATION

TROUBLE-SHOOTING

If your Regency R3020 is not performing up to your expectations, please try re-reading this guide. If you still cannot get satisfactory results after reading this guide thoroughly and following the listed steps, you may need to send your unit in for service.

If you determine that service is necessary, remove the antenna from the unit and make sure it is turned off. Pack the scanner in the original packing material carton. Send it along with a brief, concise description of the problem, your name, address, phone number and a copy of your purchase receipt to the address listed in the warranty.

HELPFUL HINTS

The following hints are provided to help you get the most out of your new scanner. By reading this entire guide, including this section, you will better understand and enjoy your new Regency R3020.

1. Always remember to press the enter key when programming a frequency. If the enter key is not pressed the frequency will not be programmed into that channel.
2. If you ever have to ship the unit, be sure to remove the antenna and place it and the unit in the original styrofoam inner packing and box. One of the most common causes of damage to electronic products is improper packing when shipping.
3. Remember that the liquid crystal display is subject to permanent damage if it is exposed to extremes in temperature or humidity. Take extra care with your scanner in the winter and on sunny, summer days.
4. Receiver sensitivity is affected by the location of the antenna and the environment that the unit is used in. Best reception will occur when the unit is placed on a level metal surface with the antenna pointing up. Placing the unit close to a window, will also provide better reception.
6. Receivers, such as the Regency R3020, which have broad tuning ranges are subject to interference from internally generated signals ("Birdies") on a few receiver frequencies. On these frequencies, reception of external signals may be impaired. Nothing is wrong with your scanner if this kind of interference occurs, unless it happens on a large number of frequencies.

SPECIFICATIONS

Band Coverage:

11 Bands

Frequency Range:

1C Meter "Ham"	29.0 - 29.7 MHz
Low Band	29.7 - 50 MHz
6 Meter "Ham"	50.0 - 54.0 MHz
Aircraft	108 - 136 MHz
Military Land MObile	136 - 144 MHz
2 Meter "Ham"	144 - 148 MHz
High Band	148 - 174 MHz
Federal Government	406 - 420 MHz
70 cm "Ham"	420 - 450 MHz
UHF Band	450 - 470 MHz
"T" Band	470 - 512 MHz

Channels: Any 20 Channels in any band combinations**Scan Speed:** 10 Channels per second**Display:** Illuminated Liquid Crystal**Power Requirement:**

AC, 120 Volts, 10 watts

Sensitivity:

AM: 20 dB Signal-to-Noise ratio at 60% modulation

108 - 136 MHz..... 2.0µV

FM: 20 dB Signal-to-Noise ratio at 3 kHz deviation

29 - 54 MHz..... 0.5µV

136 - 174 MHz..... 0.5µV

406 - 512 MHz..... 1.0µV

Selectivity:

± 11 kHz..... - 6 dB

± 15 kHz..... - 50 dB

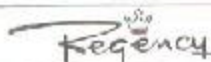
Audio Output: 700 milliwatts maximum**Antenna:** flexible antenna included**Connectors:** antenna, earphone**Size:** 9 7/16" W x 2 3/8" H x 7 3/32" D**Weight:** 2.2 lbs.

Certified in accordance with FCC rules and regulations part 15 as of date of manufacture.

Specifications are typical and subject to change without notice.

Birdies

All radios are subject to receiving undesired signals. If the R3020 stops during scan mode and no sound is heard, it may be receiving a "Birdie". Birdies are internally generated signals inherent in the electronics all the receivers. Press the scan key to continue scanning.



R 3020 PRODUCT REGISTRATION CARD

Thank you for choosing a Regency Personal Communications Product. You have chosen one of the most sophisticated, technologically advanced electronic products available. Please fill out the requested information on this card so that we can better understand our customers and their needs. With this information we can plan new products, advertising, and guide our customer service programs. Thanks for your help.

1. ☐ Mr. 2. ☐ Mrs. 3. ☐ Ms. 4. ☐ Miss

5. First Name 6. Initial 7. Last Name

8. Street 9. Apt. No.

10. City 11. State 12. Zip

13. Date of Purchase: / /

14. Serial No.

15. Is this the first scanner you have purchased or received as a gift?
YES ☐ NO ☐

16. If NO, please specify brand and model number purchased.
A.
B.
C.

17. Where did you purchase the product?
☐ Department Store
☐ Discount Store
☐ Catalog Showroom
☐ Electronics Specialty Store
☐ Local Electronics Dealer
☐ Mail Order
☐ Gift
☐ Truck Stop

18. How did you become aware of this product?
☐ TV Advertisement
☐ Magazine Advertisement
☐ Newspaper Advertisement
☐ Store Display
☐ Friend's Recommendation
☐ Salesperson's Recommendation
☐ Previous Use

19. Please check two of the factors that most influenced your purchase of this product.
☐ Style or Appearance
☐ Price
☐ Uniden Reputation
☐ Warranty
☐ Previous Use
☐ Features
☐ Quality

20. Please check your age category

- ☐ Under 20
☐ 20-25
☐ 26-30
☐ 31-35
☐ 36-40
☐ 41-45
☐ 46-50
☐ 51-55
☐ 56-60
☐ 61-65
☐ 66 & Over

21. Occupation

- ☐ Homemaker
☐ Teacher/Educator
☐ Professional Driver
☐ Executive/Administrator
☐ Civil Servant
☐ Sales/Marketing
☐ Clerical
☐ Farmer/Agriculture
☐ Military
☐ Technical/Professional
☐ Business/Professional
☐ Craftworker
☐ Machine Operator/Laborer
☐ Retired
☐ Student

22. Please check your approximate family income.

- ☐ Under \$10,000
☐ \$10,000-19,999
☐ \$20,000-29,999
☐ \$30,000-39,999
☐ \$40,000-49,999
☐ \$50,000-59,999
☐ \$60,000 & Over

PLACE
FIRST CLASS
STAMP
HERE



Uniden Corporation of America

**4700 Amon Carter Boulevard
Fort Worth, Texas 76155**

ATTN: MARKET RESEARCH DEPARTMENT

Please do not send any products or service related correspondence to this address

Please fold here

23. What types of credit cards do you use?

- ☐ American Express, Diners Club, Carte Blanche
- ☐ Bank Card (Master Card, Visa, etc.)
- ☐ Gasoline Card. Name _____
- ☐ Department Store Card
- ☐ None of the above

24. What type of car(s) do you drive?

- ☐ Compact
- ☐ Mid Size
- ☐ Sports
- ☐ Full Size
- ☐ Station Wagon
- ☐ Van
- ☐ Recreation Vehicle
- ☐ Specialty
- ☐ Motor Cycle
- ☐ Pick Up

25. What magazine(s) do you read?

- ☐ Road & Track
- ☐ Car & Driver
- ☐ Motor Trend
- ☐ Auto Week
- ☐ American Truckee
- ☐ Road King
- ☐ Playboy
- ☐ Sports Illustrated
- ☐ Penthouse
- ☐ Time
- ☐ Newsweek
- ☐ Popular Science
- ☐ Popular Mechanics
- ☐ Consumer Reports
- ☐ People

Thank you for taking the time to complete this questionnaire. If you have any other comments or suggestions please write to:

**UNIDEN CORPORATION OF AMERICA
Product Development Dept.
4700 Amon Carter Boulevard
Fort Worth, Texas 76155**

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INSTRUCTIONS: Fill out both sides of card. Cut out on dashed line.
Fold on dotted line. Fold over flap and seal with glue or paste.
Affix postage and mail.

Please fold here

ONE YEAR LIMITED WARRANTY

WARRANTOR: Regency, a division of Uniden Corporation of America ("Regency").

ELEMENTS OF WARRANTY: Regency warrants, for the duration of this warranty, Regency Radar Detector (hereinafter referred to as the Product) to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty shall terminate and be of no further effect one (1) year after the date of the original purchase of the Product or at the time the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, (C) improperly installed, (D) repaired by someone other than warrantor for a defect or malfunction covered by this warranty, (E) used in a manner or purpose for which the Product was not intended, or (F) sold by the original purchaser.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at any time while this warranty is effective, warrantor shall repair the defect and return it to you without charge for parts, service, or any other cost incurred by warrantor or its representatives in connection with the performance of this warranty. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OF PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: In the event that the Product does not conform to this warranty, the Product should be shipped or delivered, freight prepaid, to warrantor at Regency Customer Service Center, 9900 Westpoint Drive, Indianapolis, IN 46250 with evidence of original purchase.

LEGAL REMEDIES: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This warranty is void outside of the United States of America.