

200 CHANNEL SCANTRAK RACING SCANNER



RCA
RP-6198

FCC INFORMATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

In accordance with FCC requirements, changes or modifications not expressly approved by Thomson Consumer Electronics could void the user's authority to operate this product.

CAUTION: Scanning is a great pass time. You can listen to exchanges between police, fire departments, ambulances, military organizations, government agencies, private companies, aircraft and amateur radio stations. Owning and operating this scanner is legal in so far as you do not intentionally intercept the following electronic and wire communications:

- Cellular, cordless or private telephone conversations transmit through means of telephone signal transmissions.
- Pagers transmissions.
- Scrambles of encrypted transmissions.

As amended the Federal Electronic Communication Privacy Act (ECPA) states you could be fined and/or imprisoned for intentionally listening to, using or disclosing the contents of such a transmission unless a party in the communication has consented-unless such an activity is otherwise legal.

In some areas/states it is unlawful to operate a scanner. Please check the laws in your area as they may change from time to time. Thomson Consumer Electronics assumes no liability for the operation of this scanner.

WARNING: In some areas/states it is unlawful to operate a mobile scanner. Please check the laws in your area. Thomson Consumer Electronics assumes no liability for the operation of this scanner.

INTRODUCTION

Congratulations!

You are now the owner of a brand new RCA ScanTrak Racing Scanner.

Your new scanner takes you out the stands and into pit row as you listen to live communication between pit crews and their drivers.

With the capacity to scan more than 31,000 frequencies at 25 channels per second; your new RCA ScanTrak Racing Scanner allows you to be more than just a mere spectator of the sport.



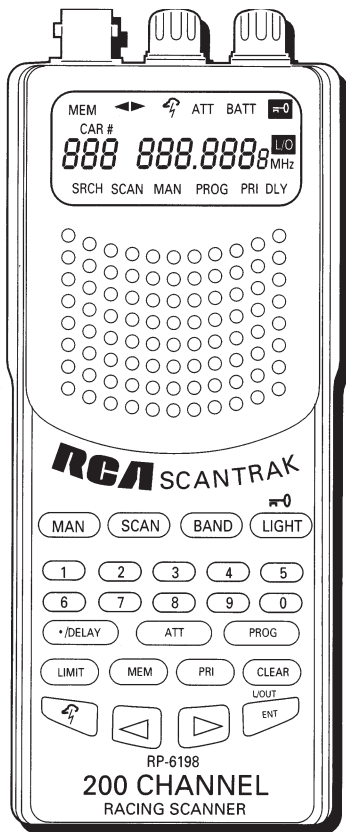
SOME TERMS TO KNOW:

<i>Signal</i>	electrical impulses sent or received.
<i>Transmission</i>	a sent or received signal.
<i>Frequency</i>	a signal transmitted through the air.
<i>Broadcast</i>	to transmit a signal for public service.
<i>Squelch</i>	lessens the scanner's sensitivity to weak signals.
<i>Channel</i>	a location to permanently store an active frequency.
<i>Scan</i>	scrolls through all stored channels, pausing on active frequencies until the transmission ends.

TABLE OF CONTENTS

FIRST THINGS FIRST	4
POWERING UP	5
CONNECTING THE ANTENNAS	6
BUTTONS AND CONTROLS	8
THE DISPLAY	9
USING THE SCANNER	10
ADJUSTING VOLUME AND SQUELCH	10
PROGRAMMING FREQUENCIES	10
BAND SEARCH	11
SCANNING STORED CHANNELS	12
SEARCHING	12
LIMIT SEARCH	12
SELECTING CHANNELS MANUALLY	12
DELETING A FREQUENCY FROM A CHANNEL	13
DELETING ALL CHANNEL FREQUENCIES	13
DELETING ALL LOCKED OUT CHANNEL FREQUENCIES	13
CHANGING FREQUENCY AT CHANNEL MEMORY	13
USING PRIORITY SCAN	14
MONITOR MEMORY	14
LOCKING OUT	15
USING KEYLOCK	15
USING DELAY	15
USING THE CARRYING CASE	16
TROUBLESHOOTING TIPS	17
EQUIPMENT SPECIFICATIONS	18
CARE AND MAINTENANCE	19
SERVICE INFORMATION	19
INDEX	20
LIMITED WARRANTY	BACK COVER

THE SCANNER



FIRST THINGS FIRST

There are basically two ways to power your scanner - by batteries or adapters. However, you can use different types of batteries and different kinds of adapters, so pay close attention to the procedures and precautions written below for the method you choose.

USING ADAPTERS

This scanner is equipped with two jacks - POWER and CHARGE. When an adapter is connected to the POWER jack and an AC outlet, power from the batteries is disconnected.

When an adapter is connected to the CHARGE jack, this jack will provide power for the scanner while recharging the batteries.

AC POWER

To use the AC adapter provided, simply insert the plug into the POWER jack at the side of your scanner and the pronged module into a standard AC outlet.

DC ADAPTER

If you plan to operate the scanner in your vehicle, you may choose to power it using a DC adapter and the socket of the cigarette lighter. Check to make sure the socket is attached to a 12-volt, negative-ground electrical system.

Connect and disconnect with the scanner same as an AC adapter.

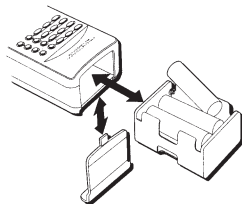
- The adapter's voltage switch must be set on 9V.
- Never leave the adapter plugged into the lighter when it isn't attached to the scanner. Always disconnect the adapter from the lighter first, then the scanner.
- If the scanner does not properly operate while trying to use a DC adapter, simply unplug the adapter from the lighter socket and clean the socket.

BATTERIES

It takes six batteries to operate your scanner. Alkaline batteries offer the best results, but it is possible to use nickel-cadmium rechargeable batteries.

To install batteries:

1. Slide the battery door in the direction of the arrow.
2. Insert six AA batteries as shown in the diagram.
3. Replace the battery door.



FIRST THINGS FIRST

FOR NICKEL-CADMIUM (NiCAD) BATTERIES:

This unit is equipped with battery recharging circuitry, enabling you to use NiCad batteries and recharge them while they are still in the battery compartment.

It is always a good idea to let nickel-cadmium batteries run all the way down before charging them. Then when you do charge them, do so to their full potential and they will last longer and provide more power.

TO CHARGE NiCAD BATTERIES:

1. Install six nickel-cadmium batteries.
2. Connect the AC adapter to the CHARGE jack.



Use the CHARGE jack only if you have rechargeable nickel-cadmium batteries installed.

DO NOT CONNECT AN AC ADAPTER TO THE CHARGE JACK IF YOU HAVE NON-RECHARGEABLE BATTERIES INCLUDED.

If you try to recharge non-rechargeable batteries, you may cause serious injury to yourself and/or severely damage the scanner. The adapter you use must supply 9 volts with the center tip set to negative. It also must fit properly into the POWER jack and deliver at least 300 milliamperes.

3. Plug the AC adapter into an AC wall outlet. The unit works while recharging its batteries.
4. After approximately 15 hours, unplug the adapter from the wall outlet and disconnect it from the unit.



DO NOT charge for more than 24 hours. Excessive charging may adversely affect the performance of the batteries.

IMPORTANT BATTERY INFORMATION

- Alkaline batteries are recommended for best results.
- If you do not intend to use the unit for a month or more, remove the batteries to avoid leakage or subsequent damage.
- Dispose of batteries in the proper manner, according to federal, state and local regulations.
- Any battery may leak electrolyte if mixed with a different battery type; if inserted incorrectly; if all batteries are not replaced at the same time; if disposed of in fire; or if an attempt is made to charge a battery not intended to be recharged.
- Discard leaky batteries immediately to avoid possible skin burns or other personal injury.

FIRST THINGS FIRST

CONNECTING THE ANTENNA

Your scanner comes with two flexible antennas for better reception. To attach an antenna:

1. Line up the slots on the antenna with the knobs of the antenna receptor on the scanner.
2. Slip the antenna over the knobs and twist until you feel the antenna locks into place.



OPTIONAL ANTENNAS

While the flexible antenna provides satisfactory reception for local signals, you can attach a multiband outdoor antenna - not provided - for even better reception.

Install the antenna according to its instructions, then connect it to the scanner via the ANT jack.

Do not place the cable on top of sharp edges or near moving objects; place it as high as possible outside; place it as far from any source of electrical noise as possible; and make sure the antenna is vertical at all times. Use the shorter antenna for lengths under 50 feet. Use the normal antenna for lengths more than 50 feet.

PRIVATE LISTENING

Your scanner has been equipped with a PHONE jack to allow for private listening. The use of headphones (included) or an earphone (not included) immediately suspends audio output from the scanner's main speaker.

To use the headphone set:

1. Turn the volume knob on the scanner to a 12 o'clock position.
2. Insert the plug of the headphone set into the PHONE jack of the scanner.
3. Turn the volume knob (on the headphone set) towards MIN to avoid a blast.
4. Put on the headphones and adjust its volume knob to the desired listening level.



You can use two headphones at a time:

1. Take the plug of the splitter cable (included) and insert it into the PHONE jack of the scanner.
2. Insert the plug of the headphone set into one of the jacks of the splitter cable.
3. Insert the plug of another headphone set into the other jack of the splitter cable.

FIRST THINGS FIRST



Some headphone/earphones allow you to hear background noise while listening to your scanner at a normal volume setting. Regardless, wearing headphones or an earphone while riding a bike or operating a vehicle cannot only impair your concentration, it is also dangerous and/or illegal.

- **Do not operate your scanner at high volume. Hearing experts advise against continuous extended play.**
- If you experience a ringing in your ears, reduce volume or discontinue use.
- You should use extreme caution or temporarily discontinue use in potentially hazardous situations.

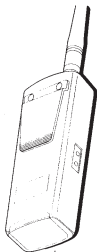
HAVE A BLAST - JUST NOT IN YOUR EARDRUMS

Make sure you turn down the volume on the unit before you put on headphones. Increase the volume to the desired level only *after* headphones are in place.



USING THE BELT CLIP

Your scanner has been equipped with a belt clip to make it more mobile. To use, simply slide the belt clip over the waistband of your pants/skirt or your belt.



USING THE LIGHT

Your scanner has been equipped with a light to help you see better in dim or dark lit areas. Press the LIGHT button again to turn the light off before the 5 seconds are up.

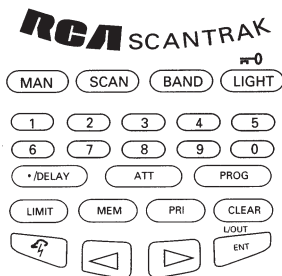
BATTERY SAVER

Your scanner has been equipped with a battery-saving circuit. This feature sends the unit into a standby mode, which uses only 40 percent of the available power, if no signal is detected within a 5 second time interval, *P-SR*(power save) appears in the display.

The scanner will continue to operate in the standby mode until it receives a signal or you press a button.

BUTTONS AND CONTROLS

The following list is presented in alphabetical order and provides general information about each button and control on your scanner:



ATT - Activates the Attenuation feature, which blocks strong signals.

BAND - Accesses the preprogrammed frequency ranges.

CLEAR - Erases an incorrect entry; helps initialize the scanner.

DEL• - Programs a two-second delay while scanning or searching, or enters a period.

ENT - L/OUT - stores a frequency in a channel, or turns the channel lock on or off.

KEYLOCK/LIGHT - Turns Keylock feature on or off, or illuminates the display.

LIMIT - Enters the Limit search mode; allows you to set the search range.

SCAN - Activates an automatic scan of all the stored channels, except those locked out.

MAN - Enters the Manual mode or moves channels.

MEM - Allows you to store received frequencies in a monitor channel while scanning in search mode. In other modes, it allows you to call up frequencies from a monitor channel.

NUMBERS - Allows you to enter the numbers for frequencies and channels.

PROG - Initiates the Program function and allows you to enter frequencies into channels.

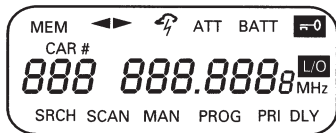
PRI - Turns the Priority function on and off.

◀ ▶ - Selects a scan or search direction.

⚡ - Accesses the preprogrammed weather channels.

THE DISPLAY

The display lets you know what your unit is doing. The following is a list of display messages you will encounter and what they mean.



ATT	appears when you activate the Attenuate feature.	Ch888	appears for 2 seconds when scanner goes into program mode. The 888 indicate the remained channel numbers.
BATT	appears when the batteries are low.		
CAR	# appears above the number you enter.	ChFULL	appears when the scanner has 200 preprogrammed channels and the memory is full.
DLY	appears when the scanner tunes to the delay feature.		
L/O	appears when you listen to a channel that is locked out of the Scan mode.	LoCh8888	appears when you delete only the programmed lock-out channels.
MAN	appears when you manually select a channel.	LoALLcL	appears when you specify a car number and clear the lock-out mode.
MEM	appears when you listen to a frequency stored in monitor memory.	rESL	appears when you press CLEAR during search while in search mode.
PRI	appears when the priority feature is on.	◀ ▶	appear to indicate the scan or search direction.
PROG	appears when you program a frequency into a channel.	⚡	appears when you listen to a weather channel.
SCAN	appears when you scan through the channels.	🔑	appears when the keylock is turned on.
SRCH	appears during frequency search.	0000000	indicates the frequency.
_n0n	appears when there is no specified car number.	000	indicates the car numbers.
ALLCh0000	appears when deleting all non-lock-out programmed channels.		
Error	appears when you program an out of range frequency.		

USING THE SCANNER

ADJUSTING VOLUME AND SQUELCH

1. Turn the SQUELCH knob completely clockwise.
2. Turn the VOLUME knob halfway. The scanner turns on and off via the VOLUME knob.
3. Turn the SQUELCH knob counter-clockwise until there is a perceptible static sound.
4. Now readjust the VOLUME knob to a comfortable listening level.
5. Adjust the SQUELCH knob slowly until the static sound stops.

It may be necessary to readjust the SQUELCH knob to block weak and intrusive transmissions.

At this time, the unit will automatically scan through the channels regardless of whether or not you have programmed any frequencies.

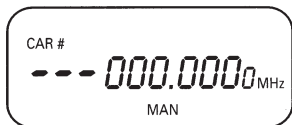
PROGRAMMING FREQUENCIES

Your scanner is capable of storing up to 200 frequencies.

You can program the frequencies randomly or match channel numbers with car numbers, TV and radio call numbers, etc.

TO PROGRAM FREQUENCIES:

1. Press MAN.

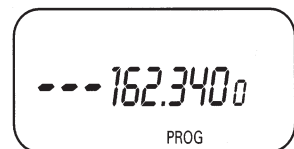


2. Press PROG.

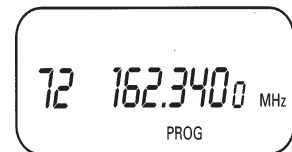
The number of empty channels appears in the display before showing the information below.



3. Enter frequency.



4. Press ENTER.
5. Enter the car number.



6. Press ENTER.

USING THE SCANNER

BAND SEARCH

You can search for and store active frequencies by using BAND SEARCH.

1. Press BAND and the display shows the last selected band number and the frequency search range.
2. To select a different band, either enter the desired band number or press BAND repeatedly until the desired number is displayed.
Note: When entering a band number, make sure you enter it within 2 seconds after BAND is pressed.
3. After 2 seconds (approx.), SRCH ► appears on display and searches in that band (from the lowest to highest frequency) for an active frequency.
4. While the scanner is searching, you can select a different band by repeating step 2.
5. When an active frequency is found, the scanner stops search and displays the frequency number. You can continue the search by pressing and holding ◀ or ▶ for about a second.

The following list are the preprogrammed Band Search ranges:

BAND	Frequency Search Range (in MHz)
1	29 - 54
2	108 - 136.975
3	137 - 148
4	148 - 174
5	380 - 420
6	420 - 450
7	450 - 512
8	806 - 824
9	849 - 869
0	894 - 960

USING THE SCANNER

SCANNING STORED CHANNELS

To scan through all the stored, unlocked channels, press **SCAN**. To change scanning direction, press the ◀ or ▶ button.

Adjust the **SQUELCH** knob to resume scan if the scanner stays on a frequency after the transmission has ended.

Car numbers and their corresponding frequencies appear in the display in ascending order, starting from the lowest car number entered.

When multiple frequencies have been assigned to one car number, the scanner will display the lowest frequency first.

SEARCHING

Press and hold ▶ or ◀ for about a second to start a limit or band search. Press them momentarily to the next frequency.

Press **MEM** during a Limit or Band search to store a frequency in a monitor memory.

LIMIT SEARCH

In a *Limit Search*, you choose the range within which the scanner will find frequencies.

- Press the **PROG** button and then the **LIMIT** button.
- Key in the lowest frequency in the search range and press the **ENTER** button.
- Press the **LIMIT** button.

- Key in the highest frequency in the search range and then press the **ENTER** button.
- Choose the direction you want to search in (▶ or ◀) and press the appropriate button. **-L-** and **SRCH** will appear in the display.



When the scanner has exhausted the search range, it will begin again.

SELECTING CHANNELS MANUALLY

It is possible to constantly monitor one frequency for an unspecified amount of time without scanning.

For example, you might stumble onto an exciting exchange between police officers in a foot pursuit. Because there will be periods of silence between the officers' transmissions to one another, you will have to manually select this frequency or risk the scanner taking an inopportune moment of silence to start scanning for more active frequencies.

- If the scanner is scanning and lands on the frequency you want to monitor, quickly press the **MAN** button.

USING THE SCANNER

- If the scanner is scanning and you know the channel you want to monitor, press the MAN button to stop the scan. Enter the channel number and press the MAN button again.
- If the scanner is not scanning, enter the number for the channel you want to monitor and press the MAN button again.



Do not press the MAN button additional times unless you want to step through the channels.

DELETING A FREQUENCY FROM A CHANNEL

1. Press MAN.
2. Use the number keys to enter the car number containing the frequency you want to delete.
3. Press MAN.

If your scanner displays a frequency other than the one you want to delete at the same car number, press one of the search arrows (◀ or ▶) until the frequency you want to delete is shown in the display.

4. Press 0.
5. Press ENT -L/OUT.

The frequency is now deleted.

To delete other frequencies in the same way, use Steps 2-5.

DELETING ALL CHANNEL FREQUENCIES

1. Press PROG.
2. Press and hold CLEAR, then press 0.
ALL Ch 0000 appears in the display.
3. Press ENT-L/OUT to clear all frequencies from all channels.
If you do not clear all channels, press CLEAR to do so.

DELETING ALL LOCKED OUT CHANNEL FREQUENCIES

1. Press PROG.
2. Press and hold CLEAR, then press ENT-L/OUT.
L-0 Ch0000 appears in the display.
3. Press ENT-L/OUT again to clear all channels.
If you do not clear all channels, press CLEAR to do so.

CHANGING FREQUENCY AT CHANNEL MEMORY

If you want to change car number frequency then you have to delete the original frequency first. You cannot replace an old frequency with a new one.

USING THE SCANNER

1. Press MAN.

Use the number pad to enter the car number containing the frequency. If your scanner displays a frequency other than the one you want to change at the same car number, press one of the search arrows (◀ or ▶) until the frequency you want to change is shown in the display.

2. Press 0, then press ENT-L/OUT. The frequency is deleted.
3. Enter the frequency number.
4. Press ENT-L/OUT.

USING PRIORITY SCAN

When you designate one channel as the priority, the scanner will check it every two seconds and will remain there if an active transmission is in progress. *Pch* will appear in the display on the left whenever the scanner switches to the priority channel.

1. Press the PROG button.
2. Press the PRI button.
3. Enter the frequency you want to store into a priority channel.
4. Press the ENT-L/OUT button.

To activate the priority scan, press the PRI button while scanning. *PRI* will appear from the display. To turn off the feature, press the PRI button. *PRI* will disappear from the display.

MONITOR MEMORY

Once you have temporarily stored a frequency in a monitor memory, you need to decide whether or not you want to store it permanently in a channel.



Remember that monitor memories are not scannable.

TO LISTEN TO A FREQUENCY IN MONITOR MEMORY

Since you cannot scan monitor memories, you must manually select the frequency you want to hear.

1. Press the MAN button.
2. Press the MEM button.
3. Press the number key of the monitor memory location you want to hear.
4. Press the MEM button.

STORE THE FREQUENCY IN MONITOR MEMORY

When the scanner stops on an active frequency and you want to temporarily save it, press the MEM button to store it in the monitor memory with the flashing indicator beneath it.

If you do not want to save the active frequency, press either ◀ or ▶ to continue the search.

USING THE SCANNER

STORE THE MONITOR MEMORY FREQUENCY IN A PERMANENT CHANNEL

1. Press the PROG button.
2. Press the MEM button.
3. Press the number of the monitor memory that has the frequency you want to store.
4. Press the MEM button again.
5. Press the ENT-L/OUT button.
6. Enter the car number using the number pad.
7. Press the ENT-L/OUT button to lock in your choice.

LOCKING OUT

If you press ENT-L/OUT while in the Scan mode, all the frequencies attached to that car number will be locked out.

If you press ENT-L/OUT while in Manual mode, only the frequency displayed will be locked out.

To unlock one frequency, manually select the channel. It is stored at and press the ENT-L/OUT button until *L/D* disappears from the display.

To unlock the same car number channel, manually select the car number, press and hold the CLEAR button and press the ENT-L/OUT button. The car number and *LoALLcl* will appear in the display. Press the ENT-L/OUT button again to unlock the car number. If you do not want to unlock the car number, press CLEAR.

USING KEYLOCK

After programming your scanner, you can eliminate accidental program or functional changes by locking the keypad. To turn the Keylock on, press and hold the **☐0** /LIGHT button for approximately 3 seconds, or until the scanner beeps three times and **☐0** appears in the display. The only usable buttons while this function is active are LIGHT, MAN, SCAN, ◀ ▶, SQUELCH and VOLUME.

To turn the keylock function off, press and hold the **☐0** /LIGHT button for approximately 3 seconds until the scanner beeps three times and **☐0** disappears in the display.

USING DELAY

Some agencies use two-way radios that allow for pause between transmissions. To avoid missing the reply to a query, your scanner has been equipped with a DLY/- button that allows you to pause on a transmission for longer than the scanner would normally allow.

To activate DELAY while scanning or searching, press the DLY/• button until DLY appears in the display. The scanner will now pause for two additional seconds before resuming its scan after the end of the transmission on that frequency.

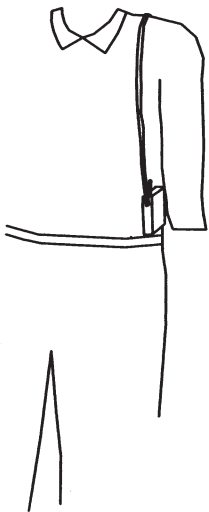
To turn off the Delay feature, press the DLY/• button. *DLY* will disappear from the display.

USING THE SCANNER

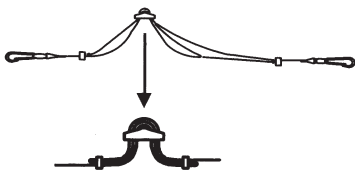
USING THE CARRYING CASE (WITH BELT)

The carrying case with belt has two purposes: carrying the scanner on your shoulder or strapping the scanner around your thigh.

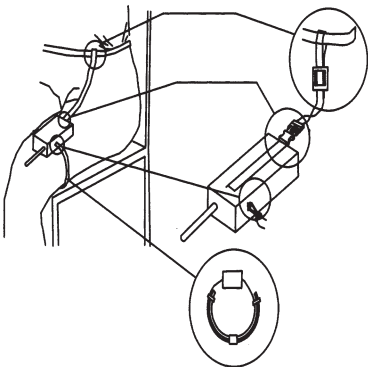
To carry the scanner on your shoulder, follow the diagram below:



To strap the scanner around your thigh for hands-free listening, first adjust the belt as follows:



Now, follow the diagram illustrated below to securely strap the scanner around your thigh:



TROUBLESHOOTING TIPS

RESETTING THE SCANNER

In a few instances, it may be necessary to reset your scanner:

- no display, or
- the display may lock up after the installation of new batteries or the connection to an external power source, or
- the scanner refuses to enter or exit a mode.

Consider resetting the scanner only after ruling out the possibility of low batteries or incorrect programming.

Resetting the scanner clears the programmed modes and functions, but retains any information stored in the 50 monitor memories and/or the 200 channel memories.

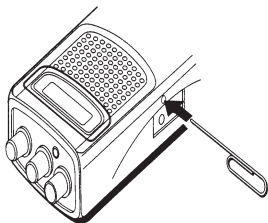
To reset:

1. Make sure the scanner is ON.
2. Press RESET button on the side of the scanner with a pointed object, such as a straightened paper clip, until the entire display is blank.

If the above steps fail to reset our scanner, you may have to initialize it. *Do this only if you are sure resetting the scanner has not worked.*

IMPORTANT BATTERY INFORMATION

- Using nickel-cadmium rechargeable batteries may result in shorter playing time. It is always a good idea to let the nickel-cadmium batteries run all the way down before charging them. Then when you do charge them, do so to their full potential and they will last longer and provide more power.



INITIALIZING THE SCANNER

Initializing the scanner permanently erases all stored programs, functions and any information in the scanner's monitor or channel memories.

To initialize:

1. Make sure the scanner is ON.
2. Press and hold the CLEAR button.
3. Quickly press and release the RESET button.
4. When the display reappears, release the CLEAR button.

EQUIPMENT SPECIFICATIONS

Operational Channels	<i>200 channels plus 50 monitor memories</i>
Sensitivity	<i>FM: (S+N)/N = 20dB, Dev = 3kHz at 1 kHz</i> <i>AM: (S+N)/N = 20dB, M d = 60% at 1 kHz</i>
29-54 MHz	<i>1μV (FM)</i>
108-139.975 MHz	<i>2μV (AM)</i>
137-174 MHz	<i>1 μV (FM)</i>
380 - 512 MHz	<i>1 μV (FM)</i>
806- 960 MHz	<i>2 μV (FM)</i>
Spurious Rejection (FM-at 154 MHz)	<i>40 dB</i>
Selectivity	
+/- 10 kHz	<i>-6 dB</i>
+/- 18 kHz	<i>-50 dB</i>
IF Interference Ratio	
257.5 MHz at 154 MHz ...	<i>50 dB</i>
21.4 MHz at 154 MHz	<i>100 dB</i>
Scanning Rate	<i>25 channels/sec</i>
Search Rate	<i>50 steps/sec</i>
Delay Time	<i>2 sec</i>
IF Frequencies	<i>257.5, 21.4 and .455 MHz</i>
Frequency Coverage	
29-54 MHz (in 5 kHz steps)	
108.0000-136.9750 MHz (in 25 kHz steps)	
137.0000-174.0000 MHz (in 5 kHz steps)	
380.0000-512.0000 MHz (in 12.5 kHz steps)	
806.0000-824.0000 MHz (")	
849.0000-869.0000MHz (")	
894.0000-960.0000 MHz (")	
Squelch Sensitivity	
Threshold	<i>less than 1.0 μV</i>
Tight (FM)	<i>(S+N)/N 25 dB</i>
Tight (AM)	<i>(S+N)/N 20 dB</i>
Antenna Impedance	<i>50 ohms</i>
Audio Power	<i>240 mWatts nominal (10% THD)</i>
Built-in Speaker	<i>1 3/8" (36m/m) 8 ohm, dynamic</i>
Power Req	<i>+9V DC, 6 AA batteries or a suitable adapter (negative ground only)</i>
Current Drain (SQUELCH)	<i>70 mA</i>
OP Temp	<i>+14°F to + 140°F (-10°C to +60°C)</i>
Dimensions	<i>5 7/8 x 2 1/2 x 1 3/4" (HWD)</i>
Weight	<i>approx. 9.2 oz (260 g) without antenna</i>

CARE AND MAINTENANCE

- This unit is to be kept dry at all times. Should the unit become wet, dry immediately with a soft cloth. Electronic circuits may corrode should they come in contact with liquids containing minerals.
- Do not drop the unit. Circuit boards may be damaged and cause the scanner to malfunction if it is dropped.
- Store unit at normal temperatures. Avoid sudden temperature changes. Excessive hot or cold temperatures may damage or disfigure plastic parts and/or shorten the life of electronic devices.
- To prevent premature wear and tear on parts, keep the unit clean and free of dust and dirt.
- Do not use harsh chemicals, solvents or strong detergents to clean the unit.
- Do not attempt to alter or modify the internal component's of the unit. Such actions may violate and/or void the unit's warranty and/or the FCC's authorization for the unit's operation.

SERVICE INFORMATION

This product should be serviced only by those specially trained in appropriate servicing techniques. For instructions on how to obtain service, refer to the warranty in this guide.

Attach your sales receipt for future reference, or write down the date you purchased/received this product as a gift. This information will be valuable if service should be required during the warranty period.

Purchase Date _____

Name of Store _____

INDEX

SYMBOLS

•/DELAY 3, 8

A

Adjusting volume & squelch 10

Antennas 6

B

Buttons and controls 8

C

Care and maintenance 19

Clear 3, 8

D

DELAY 3, 8

E

Equipment specifications 18

L

L/O 3

L-OUT 9

Limit Search 12

Locking out channels 8, 15

M

MANUAL 3, 8

P

Powering Up 4

PROGRAM 10

Programming frequencies 10

R

Reset 17

S

SCAN 12

Scanning channels 12

SEARCH 9, 12

Service information 19

Squelch 10

U

Using delay 15

Using keylock 15

V

Volume 10

LIMITED WARRANTY

What your warranty covers:

- Any defect in materials or workmanship.

For how long after your purchase:

- One year. (The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.)

What we will do:

- Provide you with a new or, at our option, a refurbished unit.
- The exchange unit is under warranty for the remainder of the original product's warranty period.

How to make a warranty claim:

- Properly pack your unit. Include any cables, etc., which were originally provided with the product. We recommend using the original carton and packing materials.
- Include in the package evidence of purchase date such as the bill of sale. Also print your name and address and a description of the defect. Send standard UPS or its equivalent to:

Thomson Consumer Electronics, Inc.
Product Exchange Center
32B Spur Drive
El Paso, Texas 79906

- Insure your shipment in case of loss or damage. Thomson accepts no liability in case of damage or loss.
- Pay any charges billed to you by the Exchange Center for service not covered by the warranty.
- A new or refurbished unit will be shipped to you prepaid freight.

What your warranty does not cover:

- Customer instruction. (Your Owner's Manual provides information regarding operating instructions and user controls. For additional information, ask your dealer.)
- Installation and setup service adjustments.
- Batteries.
- Damage from misuse or neglect.
- Products which have been modified or incorporated into other products.
- Products purchased or serviced outside the USA.
- Acts of God, such as but not limited to lightning damage.

How state law relates to this warranty:

- This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

If you purchased your product outside the USA:

- This warranty does not apply. Contact your dealer for warranty information.

NEED HELP?

If you need any help with this product, please contact our Scanner Customer Service Line at: **1-888-SCAN-4-RCA.**