



From Scanning Mode (continued from previous page)

1. Press the CAR key (13) and enter the desired car number, then press the CAR or Enter key to lock the scanner on the desired channel.
2. Push and hold the Function key (16) and a number key (1,2,or 3) for 3 seconds to designate the channel as a Favorite and assign it to that FAV shortcut key.

PROGRAMMING

You can add, remove or edit race series and driver information from the PROGRAM menu. Users have two methods available for programming their scanner.

Over The Air

Racing Electronics locations at the track are equipped with transmitters that match the "Over The Air" receiving frequency that is programmed into your scanner. Before the scanner can perform this function, it needs to be located within 100 feet of one of these transmitters. This is the fastest and easiest method of updating the scanner with the latest track/driver frequencies, names, codes and channel numbers. Instructions for completing this operation are in the "QUICK START" section on the first page of this guide.

Keypad Entry

1. Press the MENU key (12) to return to the main menu. Select PROGRAM (9), then select "Keypad Entry"
2. You will be prompted to enter the following information.
 - **Car Number:** This will be the channel number assigned for this record. If you enter a number that is already in use, the previous information will be overwritten.
 - **Frequency:** Enter the frequency (450-469.9875) by using the Four-Way keys (9, 10, 11, 12).
 - **CTCSS/DCS Code:** This code is essential for monitoring track/driver channels. CTCSS and DCS Codes are sub-audio signaling formats designed to prevent interference from other broadcasting stations sharing the same frequency. When using CTCSS or DCS codes the scanner will only respond to transmissions carrying the tone so that you only hear the race team's transmissions. Use the Four-Way keys to set CTCSS/DCS code. The Left (11) and Right (12) keys turn the CTCSS Code off and on. The Up (9) and Down (10) keys change the number.
 - **Alpha Label:** Used to name the channel. You can use both letters and numbers. Use the Alphanumeric Keypad (15) to enter the label. The Up (9) and Down (10) keys will switch between ABC, abc, or 123. The Left (11) and Right keys (12) will move the cursor. DONE (7) will delete the entry, and NEXT (8) will jump to next channel to continue programming.

Other Programming Functions

- **Race Series:** Select "Race Series" to view the series names. Select a series and use the Four-Way keys (9, 10, 11, 12) and Alphanumeric Keypad (15) to edit it.
- **Reset Scanner:** This function will restore the scanner's default settings and clear any recording stored in the Replay memory.

NOTE: There are two items in the program menu for the use of qualified radio technicians. "Write - Scanner," and "Read - Scanner" have no end user function.

SETTING PREFERENCES

Some scanner settings are located in the "My Preferences" section of the Options menu.

Backlight: This setting determines when the LCD's backlight will be illuminated.

- **On When Receive:** Display is lit for 10 seconds when receiving.
- **On When Keypress:** Display is lit for 2 seconds after any key is pressed.
- **Off:** No Display lighting.
- **Always On:** Display will be lit continuously (this option can shorten battery life).

Squelch: Squelch filters out unwanted noise. Squelch operates as a gate to reduce noisy transmissions. If the transmission is strong, the gate will open and the transmission will be heard. If the transmission is weak or mostly static, the gate will remain closed and the transmission will not be heard. You can set Squelch level to Low, Mid, or Sensitive.

Favorite Scan: Switches the Favorite Channel Scan feature on or off.

- **On:** Favorite channels will be scanned more frequently in scanning mode. If you are not scanning, then the channel you are listening to will be interrupted whenever there is traffic on a Favorite Channel.
- **Off:** Favorite Channels will not be given priority over other channels.

Replay: Switches the Replay feature on or off.

- **On:** The scanner will record the last conversation. The Left Soft Key (7) becomes the "PLAY" button as indicated in the lower left corner of the display
- Press the "PLAY" button (7) to replay the last recorded audio segment.
- You can stop playback at any time by pressing the CAR (13) or SCAN (14) keys.
- The scanner will ignore the radio traffic and won't record new audio while the Replay feature is in playback mode (indicated by a speaker icon in the upper right corner of the display). When playback ends the Replay feature will resume recording radio traffic (indicated by a tape icon in the upper right corner of the display).

LIMITED WARRANTY

Please take a few minutes to register your RE3000 scanner. Completing product registration allows us to verify your warranty eligibility.
<http://www.racingelectronics.com/registration>

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QUICK START

GET UPDATED FREQUENCIES "OVER-THE-AIR"

1. Stand within approximately 100 feet of a Racing Electronics location.
2. Turn on the scanner by rotating the on/off volume knob on the top of the scanner.
3. Choose the "PROGRAM" option by pressing the up ▲ key
4. Choose "Over The Air" by pressing the left soft key (◀)
5. Answer "Yes" by pressing the left soft key (▶) again.
6. Your scanner is now being programmed. Please wait until the scanner reads "PROGRAMMING COMPLETE".



Your scanner has been pre-programmed for you. If you purchased this scanner at one of our trackside locations you can skip the programming instructions above for this race.

SELECT A RACE SERIES TO SCAN

1. "SELECT" race series.
2. Using the arrow keys, select the appropriate series (ie: CUP, NATIONWIDE, TRUCK). The scanner will then go into scanning mode.

TO LOCK ON A SPECIFIC DRIVER

1. Press the "CAR" button.
2. Enter the car number.
3. Press the "CAR" button again.

LISTENING TO RACE BROADCAST (MRN-PRN)

1. Press the "CAR" button.
2. Enter the number "69."
3. Press the "CAR" button again.

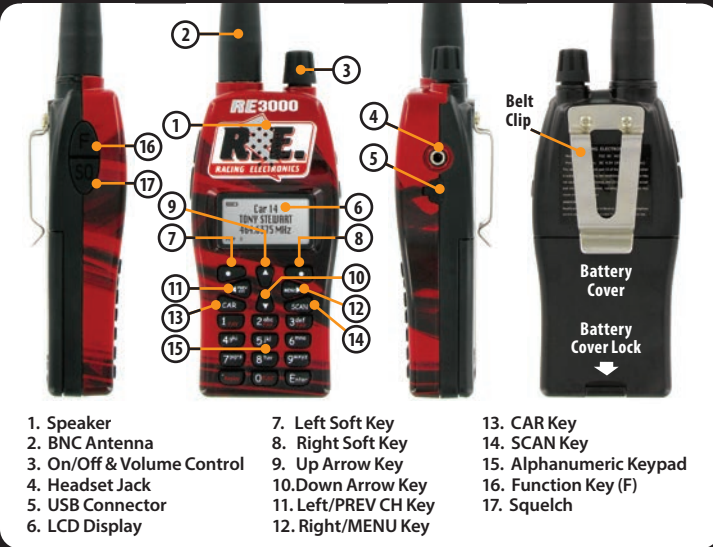
Press the "SCAN" button to resume scanning. Adjust the SQUELCH by holding the "SQ" button on the side of the scanner and turning the volume knob.

KEY

1. On/Off-Volume Control
2. Soft Keys
3. CAR Button
4. Squelch Button
5. Arrow Keys

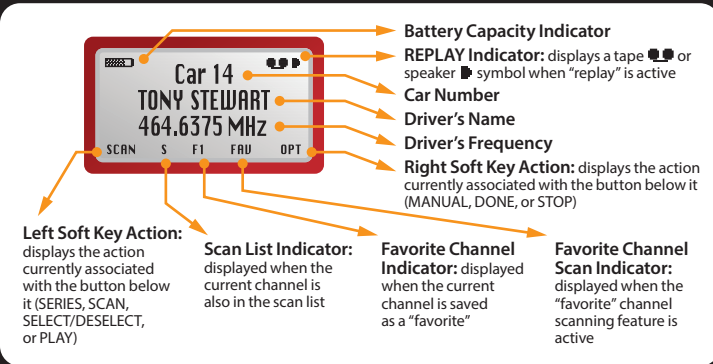


GETTING TO KNOW YOUR SCANNER



- 1. Speaker
- 2. BNC Antenna
- 3. On/Off & Volume Control
- 4. Headset Jack
- 5. USB Connector
- 6. LCD Display
- 7. Left Soft Key
- 8. Right Soft Key
- 9. Up Arrow Key
- 10. Down Arrow Key
- 11. Left/PREV CH Key
- 12. Right/MENU Key
- 13. CAR Key
- 14. SCAN Key
- 15. Alphanumeric Keypad
- 16. Function Key (F)
- 17. Squelch

LCD DISPLAY FEATURES



- Battery Capacity Indicator**
- REPLAY Indicator:** displays a tape or speaker symbol when "reply" is active
- Car Number**
- Driver's Name**
- Driver's Frequency**
- Right Soft Key Action:** displays the action currently associated with the button below it (MANUAL, DONE, or STOP)
- Left Soft Key Action:** displays the action currently associated with the button below it (SERIES, SCAN, SELECT/DESELECT, or PLAY)
- Scan List Indicator:** displayed when the current channel is also in the scan list
- Favorite Channel Indicator:** displayed when the current channel is saved as a "favorite"
- Favorite Channel Scan Indicator:** displayed when the "favorite" channel scanning feature is active

CONTROLS

(numbers refer to the diagram on previous page)

Command Keys

MENU Key (12) Displays the scanner's main start menu.
Left Soft Key (7) Selects the left display command/prompt.
Right Soft Key (8) Selects the right display command/prompt.
PREV CH (11) Switches to the previously tuned channel.
CAR Key (13) Stops scanning and allows user to manually enter a channel's number.
SCAN Key (14) Begins scanning the selected series channel list.

Two-Step Key (Shortcuts)

The keys with **red letters** have other functions when used with the Function key (16).
F + FAV The channel that the scanner is currently locked on will be memorized to a Favorite Channel when the Function key is pressed and held first, then one of the FAV keys (1, 2, or 3) are held for three seconds. Scanner will go directly to a Favorite Channel when the Function key and one of the FAV keys are both pressed.
F + Replay Switches the Replay feature on or off when the Function and Replay keys are both pressed.
F + F.SC Switches the Favorite Channel Scan feature on or off when the Function and F.SC keys are both pressed.

Four-Way Directional Keys (9, 10, 11, 12)

Controls the cursor and highlighted items in the display menus. Pressing these arrow keys will move the cursor within the selected menu.

MENUS

Startup Menus

There are three menus available when you turn on the scanner. They appear across the bottom of the display and are selected by pressing the Left and Right Soft Keys (7, 8) or the Up key (9).

SERIES: (7) The scanner can be programmed to hold up to four racing series. Use this menu to switch between them.

PROGRAM: (9) There are six choices available from this menu related to programming the scanner.

- **Over The Air:** Track programming broadcasts are radio transmissions that are available at the track. They contain race series driver channel information. When the scanner is set to Over The Air, programming transmissions can be automatically downloaded into the scanner. This is the fastest and easiest method of updating the scanner with the latest track/driver frequencies, names, codes and channel numbers.
- **Keypad Entry:** Use this to enter track/driver frequencies, codes and driver names manually.
- **Write - Scanner:** Not an end-user feature.
- **Read - Scanner:** Not an end-user feature.
- **Race Series:** Used to edit the four banks where each race series is stored.
- **Reset Scanner:** Will delete all data and return the scanner to its default setting.

OPT : (8) There are five choices available from this menu related to customizing the scanner's options and settings.

- **Scan List:** Use this to add and remove channels from the Scan List.
- **Favorite Channel:** Use this to designate up to three channels as Favorites.
- **My Preferences:** The four sub-menus here allow you to customize your scanner.
 - **Backlight:** Available options include, "On When Receive," "On When Key Pressed," "Always On," or "Off".
 - **Squelch:** Used to set the squelch level to "Low", "Mid", or "Sensitive".
 - **Favorite Scan:** Switches the Favorite Channel Scan feature on or off. When it is set to "On," Favorite Channels will be given priority over the others.
 - **Replay:** Switches the Replay feature on or off. When it set to "On," the last conversation the scanner received will be recorded and can be played back.

OPERATING INSTRUCTIONS

Getting started and selecting a Series

1. Turn the power switch on by rotating the On/Off Volume knob (3).
2. Press and hold the "SQ" button (15) to adjust the volume to a safe and comfortable level before connecting the headset.
3. Press the Left Soft Key (7) to select Race Series.
 - Note:** Series channels must be programmed and should be updated for each race.
4. Use the Four-Way keys (9, 10, 11, 12) to scroll through series options, select a series and start scanning all of the programmed/selected channels within that series.

To Edit Scan List

1. Within a particular series, press the MENU key (12) to return to the main menu. Select OPT (8) then select "Scan List." The channels for the selected series will be displayed.
 2. Scroll through the channels and press the Left Soft Key (7) to SELECT/DESELECT them. An arrow mark beside the name indicates that the channel is in the Scan List.
 3. When inside the Scan List menu, press MENU key (12) to enter a secondary pop-up menu.
 4. Scroll up and down to highlight desired action, then press the MENU key (12) to select it. This is a quick way to move all of the stored frequencies for a series in or out of the scan list.
 5. Press DONE (8) to return to the Options menu.
- NOTE:** Do not add radio or television broadcast channels to the Scan List.

To Edit Favorite Channel

You can designate up to three channels per series as Favorites. You can use shortcut keys to access Favorite Channels and they get priority over other channels when the Favorite Channel Scan feature is on. There are two ways to edit your Favorite Channels, from the Options Menu or while the scanner is in scanning mode.

From the Options Menu

1. Within a particular series, press the MENU key (12) to return to the main menu. Select OPT (8) then select "Favorite Channel."
 2. Scroll through driver channels and press SELECT (7) to designate it as a Favorite Channel.
 3. Pressing the Left Soft Key (7) repeatedly will allow you to choose which of the FAV keys the channel will be assigned to.
 4. Press DONE (8) to return to the Options menu.
- NOTE:** Do not select a radio or television broadcast channel as a Favorite.