

## Menu Reference

GLOB Parameter	Options	Description
Dflt ScanList	0-22	Sets default destination Scan Lists for new objects and CONV Stor from Searches, Signal Stalker II, and Tune. Use <b>1-20</b> for "normal" Scan Lists 1-20. Use <b>0</b> for the "ns" (not scanned) Scan List (no Scan List mappings are specified). Use <b>21</b> for the FAV Scan List. Use <b>22</b> for the Skywarn Scan List.
Priority	On or Off	Turns Priority Scan On or Off. Priority Scan can also be toggled by pressing <b>FUNC PRI</b> while scanning.
WxPri	On or Off	Toggles Weather Priority Mode on or off. Also accessed by pressing <b>WX</b> , then <b>PRI</b> .
Scan Lists	SEL	Enters sub menu for Scan List settings and status.
SRCH L/Outs	SEL	Enters sub menu for review, editing or deletion of search lockout frequencies.
Clear FAV	SEL	Press <b>SEL</b> to clear the Favorites Scan List.
Memory Info	SEL	Press <b>SEL</b> to see the current memory usage.
EXPERT BELOW		
Tune LED	On or Off	Activates Signal Strength driven LED when in Tune mode.
Color 0-7	Red, Green, Blue (RGB) value	Sets intensity of red, green and blue LEDs. Press <b>SEL</b> to edit colors. Press <b>◀▶</b> to scroll to R, G or B LED settings. Use numeric keys to activate preset intensity levels for each LED, or use <b>▲▼</b> keys to fine scroll intensity.
Qtxt 1-0	Text value	Sets QTXT (QuickText) 0-9 text. Use <b>"\$"</b> to indicate end of text.
Key Repeat	On or Off	Toggles key repeat mode when a key is held down.

# Menu Reference

GLOB Parameter	Options	Description
LCD BlinkOff	1-250 x 10 mS	For alternating text displays, sets the display time for the secondary display element.
LCD BlinkOn	1-250 x 10 mS	For alternating text displays, sets the display time for the primary display element.
LED BlinkOff	1-250 x 10 mS	When the Alert LED setting for an object is set to Flash, this is the amount of time the LED stays turned off.
LED BlinkOn	1-250 x 10 mS	When the Alert LED setting for an object is set to Flash, this is the amount of time the LED stays turned on.
Pri Channels	0-250	Number of priority CONV channels to check during a priority scan sampling. "0" samples all CONV priority channels.
Pri Interval	2-100 x 100 mS	Conventional frequency priority sample interval.
TGRP Pri Int	On or Off	Toggles priority interrupt scanning during trunked calls.
QuickPriRtn	On or Off	When on, does not wait for verification of correct CTCSS, DCS or NAC when returning to an active CONV channel after priority sampling
Search Delay	1-250 x 100 ms	Sets wait for reply delay for all search modes.
SRCH Dig AGC	On or Off	Sets digital AGC mode on or off for all search types. Useful to compensate for low or high digital audio levels caused at the system.
SRCH SuprTrk	On or Off	Alternative DSP decoding algorithm is applied to all search types. May help reception on some systems.

## Menu Reference

GLOB Parameter	Options	Description
TLO=FUNC L/O	On or Off	Controls the operation of the L/OUT key. When Off, pressing L/OUT performs a Temporary Lockout of the selected object. When On, pressing L/OUT performs a Permanent Lockout of the selected object.
Dupe- ChecksSQ	Yes or No	If set to Yes, dupe checking will check both the stored frequency and any encoded squelch settings when checking for duplicate CONV objects.
TGID Format	Norm, DEC, or HEX	Selects TGID display format.
TGRP Ignore	Yes or No	If set to Yes, TGRP wildcards will ignore calls on previously stored TGRPS that are mapped to disabled Scan Lists.
ShowCCInfo	Yes or No	For Motorola and P25 systems, shows current control channel index (from TSYS frequency list) and frequency alternating with the voice frequency.
Set Password	SEL	Set Power-on password. 0000=none.

# Menu Reference

## CONV Menu

The CONV menu is used when creating new Conventional Channel objects, or editing existing Conventional Channel objects.

CONV Parameter	Options	Description
Scan Lists	On or Off for Scan List 1-22	Sets membership in Scan Lists. Use ◀ ▶ keys to scroll through Scan Lists. Use <b>SEL</b> key to toggle Scan List membership. A "*" next to the Scan List number indicates that the object is mapped to that Scan List.
Freq	Any supported frequency in MHz	The frequency that the CONV object will use.
Tag	Alphanumeric text	The alphanumeric display name for the CONV channel. Use the standard text entry method or QTXT to name the object.
Sq Mode	Search, None, CTCSS, DCS, P25	Sets subaudible squelch mode or Project 25 conventional digital modulation. Use <b>Search</b> to automatically analyze signals to determine squelch mode and code. Use <b>None</b> to ignore subaudible squelch. Use <b>CTCSS</b> for tone coded squelch, <b>DCS</b> for digital coded squelch, or <b>P25</b> for Project 25 conventional digital operation. Used in conjunction with Squelch Code parameter below.
Squelch Code	CTCSS Hz, DCS Code, P25 NAC	Sets CTCSS tone, DCS code, or P25 NAC depending on Sq Mode setting. Use Search to detect tone or code value for selected squelch type.

## Menu Reference

CONV Parameter	Options	Description
L/Out	On or Off	Permanent lockout for the CONV channel. Also accessed by pressing <b>FUNC L/OUT</b> while the scanner is stopped on the CONV object.
Priority	On or Off	Turns Priority Mode on or off for the CONV object.
LED Mode	Solid or Flash	Controls whether the Alert LED flashes or remains on solid when the Alert LED is used.
LED Color	0-7	Sets LED color to <b>0-7</b> as defined in the GLOB menu. By default, <b>0</b> =LED Off, <b>1</b> =Red, <b>2</b> =Yellow, <b>3</b> =Green, <b>4</b> =Cyan, <b>5</b> =Blue, <b>6</b> =Magenta, <b>7</b> =White.
Latch LED	On or Off	Normally the Alert LED is active only while the object is receiving a transmission. When <b>Latch</b> is on, the Alert LED will remain lit after the transmission is complete, unless overridden by a subsequent object that is also using the Alert LED.
Backlight	On, Off or Flash	Controls whether the backlight should be on, off or flashing while the object is active.
Alarm	None, Chirp, Hi-Lo, Alert, Ring, 2-Chirp, Fast Hi-Lo, DTMF#	Sets the Audible Alarm for the CONV object. When an Audible Alarm is selected, the selected alarm will play at the beginning of each transmission on the CONV object, or anytime the scanner stops for activity on the CONV object while scanning.
Fav	Yes or No	When On, the CONV object is a member of the Favorites Scan List.

# Menu Reference

CONV Parameter	Options	Description
Skywarn	Yes or No	When On, the CONV object is a member of the Skywarn Scan List.
EXPERT BELOW		
Modulation	Auto, AM, FM, NFM	Modulation setting for the CONV channel. In most cases <b>Auto</b> will work fine. Use <b>AM</b> to override and force AM modulation, <b>FM</b> to force FM modulation, <b>NFM</b> to force narrow FM modulation.
Atten	On or Off	When on, applies 20 dB of attenuation to all transmissions on the CONV channel. Useful in areas where interference from nearby strong signals is present.
Delay	On or Off	Controls whether a Delay is used to wait for reply traffic after a transmission on the CONV channel.
Delay Time	1-250 x 100ms	Sets the amount of time (in 100 millisecond intervals) for the wait for reply delay if Delay is On, e.g., 20=2 seconds.
Digital AGC	On or Off	Controls Digital AGC function for the CONV channel.
Supertrack	On or Off	Alternative DSP decoding algorithm. May help reception on some systems.
AudioBoost	On or Off	Applies a 6 dB boost to audio levels when the object is active.
Hit Count	Numeric value	Increments each time a transmission is received on the CONV object. Global "Hit Counts" must be set to ON. Press the <b>Dflt</b> softkey to reset to 0.

## Menu Reference

### TGRP Menu

The TGRP menu is used when creating new Trunking Talkgroup objects, or editing existing Trunking Talkgroup objects.

TGRP Parameter	Options	Description
Scan Lists	On or Off for Scan Lists 1-22	Sets membership in Scan Lists. Use ◀▶ keys to scroll through Scan Lists. Use <b>SEL</b> key to toggle Scan List membership. A "★" next to the Scan List number indicates that the object is mapped to that Scan List.
TSYS	New or previously stored trunking system object (TSYS)	To enter a new trunking system, use the ◀▶ keys to scroll through the stored systems until NEW appears, then press <b>SEL</b> to enter the parameters for the new TSYS. To use a trunking system that you have previously entered, use the ◀▶ keys to scroll to the desired system.
ID	Decimal, hex or AFS, depending on TSYS type	The digital address of the talkgroup or individual radio ID on the trunked radio system.
Type	Group or Private	Use <b>Group</b> for talkgroup ID, <b>Private</b> for individual radio ID.
Tag	Alpha-numeric text	The alphanumeric display name for the TGRP. Use the standard text entry method or QTXT to name the object.
L/Out	On or Off	Permanent lockout for the TGRP. Also accessed by pressing <b>FUNC L/OUT</b> while the scanner is stopped on the TGRP object.
Priority	On or Off	Turns Priority Mode on or off for the TGRP object.

## Menu Reference

TGRP Parameter	Options	Description
LED Mode	Solid or Flash	Controls whether the Alert LED flashes or remains on solid when the Alert LED is used.
LED Color	0-7	Sets LED color to <b>0-7</b> as defined in the GLOB menu. By default, <b>0</b> =LED Off, <b>1</b> =Red, <b>2</b> =Yellow, <b>3</b> =Green, <b>4</b> =Cyan, <b>5</b> =Blue, <b>6</b> =Magenta, <b>7</b> =White.
Latch LED	On or Off	Normally the Alert LED is active only while the object is receiving a transmission. When <b>Latch</b> is on, the Alert LED will remain lit after the transmission is complete, unless overridden by a subsequent object that is also using the Alert LED.
Backlight	On, Off or Flash	Controls whether the backlight should be on, off or flashing while the object is active.
Alarm	None, Chirp, Hi-Lo, Alert, Ring, 2-Chirp, Fast Hi-Lo, DTMF#	Sets the Audible Alarm for the TGRP object. When an Audible Alarm is selected, the selected alarm will play at the beginning of each transmission on the TGRP object, or anytime the scanner stops for activity on the TGRP object while scanning.
Fav	Yes or No	When On, the TGRP object is a member of the Favorites Scan List.
Skywarn	Yes or No	When On, the CONV object is a member of the Skywarn Scan List.
EXPERT BELOW		
Delay	On or Off	Controls whether a Delay is used to wait for reply traffic after a transmission on the TGRP.



## Menu Reference

TGRP Parameter	Options	Description
Delay Time	1-250 x 100 ms	Sets the amount of time (in 100 millisecond intervals) for the wait for reply delay if Delay is On, e.g., 20=2 seconds.
AudioBoost	On or Off	Applies a 6 dB boost to audio levels when the object is active.
Hit Count	Numeric value	Increments each time a transmission is received on the TGRP object. Global "Hit Counts" must be set to ON. Press the <b>Dflt</b> softkey to reset to 0.

## TSYS Menu

The TSYS menu is used when creating new Trunking System objects, or editing existing Trunking System objects.

TSYS Parameter	Options	Description
Type	MOT 800/900, MOT VHF/UHF, P25 MANUAL, P25 AUTO, EDACS STD, EDACS NAROW, LTR	Sets the trunking system type. Choose <b>MOT 800/900</b> if the system is a Motorola 800 or 900 MHz analog or digital trunked radio system that uses the 3600 baud control channel. Use <b>P25 AUTO</b> for most Project 25 systems that send channel table information over the system control channel. Use <b>P25 MANUAL</b> if it is necessary to manually set the channel table information or if you wish to use the default 800 MHz table data. Use <b>EDACS STD</b> for most 800 MHz EDACS systems using the 9600 BPS EDACS control channel. Use <b>EDACS NAROW</b> for most 900 MHz and some VHF/UHF EDACS systems using the 4800 BPS EDACS control channel. Use <b>LTR</b> for Logic Trunked Radio (LTR) systems.

# Menu Reference

TSYS Parameter	Options	Description
Tag	Alpha- numeric text	The alphanumeric display name for the TSYS. Use the standard text entry method or QTXT to name the object.
Frequencies	SEL	Press <b>SEL</b> to enter trunked radio system frequencies. Enter control channel frequencies in any order for all Motorola and Project 25 trunking systems. Enter system frequencies in LCN order for all EDACS trunking systems. Enter system frequencies in Home Repeater order for LTR systems.
L/Out	On or Off	Permanent lockout for the TSYS. When On, no traffic will be received on any programmed TGRPs for this TSYS.
EXPERT BELOW		
Atten	On or Off	When on, applies 20 dB of attenuation to all transmissions on this TSYS. Useful in areas where interference from nearby strong signals is present.
Narrow FM	Yes or No	Use Yes when the system is known to use Narrow FM modulation. Most 900 MHz analog trunked radio systems utilize NFM modulation. This setting has no effect on digital trunked radio system performance.
AudioBoost	On or Off	Activates 6 dB audio level boost for all activity on this TSYS.

## Menu Reference

TSYS Parameter	Options	Description
Dwell	0-200 x 100 mS	Sets the amount of time the scanner dwells on a Motorola, P25 or EDACS system control channel for activity on programmed talkgroups. Use <b>0</b> for automatic mode, which uses control channel information to determine when all current talkgroup information has been broadcast by the system.
Digital AGC	On or Off	Controls Digital AGC function for the TSYS.
Supertrack	On or Off	Alternative DSP decoding algorithm. May help reception on some systems.
Multi-Site	Off, Roam or Stat (Stationary)	Used with networked Motorola and P25 trunked radio systems. When <b>Multi-Site=Off</b> , the scanner will find the first usable control channel in the control channel list and use it to track the system. When <b>Multi-Site=Roam</b> , the scanner will always attempt to lock on to control channels where the decoding quality is greater than Threshold Hi, and will search for new control channels when the decoding quality of a control channel drops below Threshold Lo. If no control channels are available that meet the Threshold Hi criteria, the scanner will seek the best control channel to use, and continue checking periodically for a new control channel that meets the Threshold Hi criteria. When <b>Multi-Site=STAT</b> , the scanner will track the system using every usable control channel in the control channel list.

## Menu Reference

TSYS Parameter	Options	Description
Threshold Hi	1-99	Available When Multi-Site is set to ROAM. Sets the control channel decode % threshold for a site to be considered good when looking for a new site.
Threshold Lo	1-99	Available When Multi-Site is set to ROAM. Sets the control channel decode % threshold for a site to be considered out of range, which will begin the process of looking for a new site.
T Tables	Default, Splinter, Custom	For Motorola and P25 systems only - sets custom channel tables. Use ◀▶, to select option, press <b>SEL</b> on Custom to enter custom table information.
Fleet Map	Type I	For Motorola Type I systems only - sets fleet map.

## LMIT Menu

The LMIT menu is used when creating new Limit Search objects, or editing existing Limit Search objects.

LMIT Parameter	Options	Description
Scan Lists	On or Off for Scan Lists 1-22	Sets membership in Scan Lists. Use ◀▶ keys to scroll through Scan Lists. Use <b>SEL</b> key to toggle Scan List membership. A "*" next to the Scan List number indicates that the object is mapped to that Scan List.
FrLo	Any supported frequency in MHz	A frequency that will be used as the lower limit for the limit search range.
FrHi	Any supported frequency in MHz	A frequency that will be used as the upper limit for the limit search range.

## Menu Reference

LMIT Parameter	Options	Description
Tag	Alpha-numeric text	The alphanumeric display name for the LMIT search. Use the standard text entry method or QTXT to name the object.
L/Out	On or Off	Permanent lockout for the LMIT channel. Also accessed by pressing <b>FUNC L/OUT</b> while the scanner is stopped on the LMIT object.
LED Mode	Solid or Flash	Controls whether the Alert LED flashes or remains on solid when the Alert LED is used.
LED Color	0-7	Sets LED color to <b>0-7</b> as defined in the GLOB menu. By default, <b>0</b> =LED Off, <b>1</b> =Red, <b>2</b> =Yellow, <b>3</b> =Green, <b>4</b> =Cyan, <b>5</b> =Blue, <b>6</b> =Magenta, <b>7</b> =White.
Latch LED	On or Off	Normally the Alert LED is active only while the object is receiving a transmission. When <b>Latch</b> is on, the Alert LED will remain lit after the transmission is complete, unless overridden by a subsequent object that is also using the Alert LED.
Backlight	On, Off or Flash	Controls whether the backlight should be on, off or flashing while the object is active.
Alarm	None, Chirp, Hi-Lo, Alert, Ring, 2-Chirp, Fast Hi-Lo, DTMF#	Sets the Audible Alarm for the LMIT object. When an Audible Alarm is selected, the selected alarm will play any-time the scanner stops for activity on the LMIT object while scanning.

## Menu Reference

LMIT Parameter	Options	Description
Fav	Yes or No	When On, the LMIT object is a member of the Favorites Scan List.
EXPERT BELOW		
Modulation	Auto, AM, FM, NFM	Modulation setting for the LMIT search. In most cases <b>Auto</b> will work fine. Use <b>AM</b> to override and force AM modulation, <b>FM</b> to force FM modulation, <b>NFM</b> to force narrow FM modulation.
Atten	On or Off	When on, applies 20 dB of attenuation to all hits received on the LMIT search. Useful in areas where interference from nearby strong signals is present.
Delay	On or Off	Controls whether a Delay is used to wait for reply traffic after a transmission is received during the LMIT search.
Delay Time	1-250 x 100 ms	Sets the amount of time (in 100 millisecond intervals) for the wait for reply delay if Delay is On, e.g., 20=2 seconds.
Zeromatic	On or Off	When on, enhances the scanner's ability to lock on to the actual center frequency of a search hit instead of an adjacent frequency.
Search Dir	Up or Down	Sets search direction used when LMIT object is active.
Hit Count	Numeric value	Increments each time a transmission is received on the LMIT object. Global "Hit Counts" must be set to ON. Press the <b>Dflt</b> softkey to reset to 0.

## Menu Reference

### SRVC Menu

The SRVC menu is used when creating new Service Search objects, or editing existing Service Search objects.

SRVC Parameter	Options	Description
Scan Lists	On or Off for Scan Lists 1-22	Sets membership in Scan Lists. Use ◀▶ keys to scroll through Scan Lists. Use <b>SEL</b> key to toggle Scan List membership. A "*" next to the Scan List number indicates that the object is mapped to that Scan List.
Srvc	Pub Safety, Aircraft, Amateur, CB, Marine, FRS/GM/MURS, Railroad	<b>Pub Safety</b> (Public Safety) searches commonly used public safety frequencies. <b>Aircraft</b> searches civilian and military air frequencies. <b>Amateur</b> searches amateur radio frequencies. <b>CB</b> searches the citizen's band radio frequencies. <b>Marine</b> searches the VHF-FM marine radio band. FRS/GMRS/MURS/DOT/STAR (F/G/MURS) searches the FRS, GMRS, MURS, DOT and STAR radio frequencies. Railroad searches the Association of American Railroads (AAR) VHF railroad frequencies used in the US and Canada.  See <b>Appendix A</b> on page 100 for Search Band Group frequencies.
Groups	Use ◀▶ to scroll, <b>SEL</b> to toggle on/off	Toggle search groups when Pub Safety, Aircraft and Amateur service searches are used.  See <b>Appendix A</b> on page 100 for Search Band Group frequencies.
Tag	Alpha-numeric text	The alphanumeric display name for the SRVC search. Use the standard text entry method or QTXT to name the object.

## Menu Reference

SRVC Parameter	Options	Description
L/Out	On or Off	Permanent lockout for the SRVC object. Also accessed by pressing <b>FUNC L/OUT</b> while the scanner is stopped on the SRVC object.
LED Mode	Solid or Flash	Controls whether the Alert LED flashes or remains on solid when the Alert LED is used.
LED Color	0-7	Sets LED color to <b>0-7</b> as defined in the GLOB menu. By default, <b>0</b> =LED Off, <b>1</b> =Red, <b>2</b> =Yellow, <b>3</b> =Green, <b>4</b> =Cyan, <b>5</b> =Blue, <b>6</b> =Magenta, <b>7</b> =White.
Latch LED	On or Off	Normally the Alert LED is active only while the object is receiving a transmission. When <b>Latch</b> is on, the Alert LED will remain lit after the transmission is complete, unless overridden by a subsequent object that is also using the Alert LED.
Backlight	On, Off or Flash	Controls whether the backlight should be on, off or flashing while the object is active.
Alarm	None, Chirp, Hi-Lo, Alert, Ring, 2-Chirp, Fast Hi-Lo, DTMF#	Sets the Audible Alarm for the SRVC object. When an Audible Alarm is selected, the selected alarm will play anytime the scanner stops for activity on the SRVC object while scanning.
Fav	Yes or No	When On, the SRVC object is a member of the Favorites Scan List.



## Menu Reference

SRVC Parameter	Options	Description
EXPERT BELOW		
Modulation	Auto, AM, FM, NFM	Modulation setting for the SRVC search. In most cases <b>Auto</b> will work fine. Use <b>AM</b> to override and force AM modulation, <b>FM</b> to force FM modulation, <b>NFM</b> to force narrow FM modulation.
Atten	On or Off	When on, applies 20 dB of attenuation to all hits received on the SRVC search. Useful in areas where interference from nearby strong signals is present.
Delay	On or Off	Controls whether a Delay is used to wait for reply traffic after a transmission on the SRVC search.
Delay Time	1-250 x 100ms	Sets the amount of time (in 100 millisecond intervals) for the wait for reply delay if Delay is On, e.g., 20=2 seconds.
Zeromatic	On or Off	When on, enhances the scanner's ability to lock on to the actual center frequency of a search hit instead of an adjacent frequency.
Search Dir	Up or Down	Sets search direction used when SRVC object is active.
Hit Count	Numeric value	Increments each time a transmission is received on the SRVC object. Global "Hit Counts" must be set to ON. Press the <b>DfIt</b> softkey to reset to 0.

# Menu Reference

## STLK Menu

The STLK menu is used when creating new Signal Stalker II objects, or editing existing Signal Stalker II objects.

STLK Parameters	Options	Description
Scan Lists	On or Off for Scan Lists 1-22	Sets membership in Scan Lists. Use ◀▶ keys to scroll through Scan Lists. Use <b>SEL</b> key to toggle Scan List membership. A "★" next to the Scan List number indicates that the object is mapped to that Scan List.
Type	All Bands or Pub Safety	Use ◀▶ to select All Bands or Public Safety. <b>All Bands</b> covers the entire frequency range of the scanner. <b>Pub Safety</b> covers frequency ranges commonly used for public safety communications.
Sub-bands	◀▶, SEL	Sub bands are available when using STLK in All Bands or Public Safety mode.  See <b>Appendix A</b> on page 100 for Search Band Group frequencies.
Tag	Alpha-numeric text	The alphanumeric display name for the STLK object. Use the standard text entry method or QTXT to name the object.
L/Out	On or Off	Permanent lockout for the STLK search. Also accessed by pressing <b>FUNC L/OUT</b> while the scanner is stopped on the STLK object.
LED Mode	Solid or Flash	Controls whether the Alert LED flashes or remains on solid when the Alert LED is used.
LED Color	0-7	Sets LED color to <b>0-7</b> as defined in the GLOB menu. By default, <b>0</b> =LED Off, <b>1</b> =Red, <b>2</b> =Yellow, <b>3</b> =Green, <b>4</b> =Cyan, <b>5</b> =Blue, <b>6</b> =Magenta, <b>7</b> =White.

## Menu Reference

STLK Parameters	Options	Description
Latch LED	On or Off	Normally the Alert LED is active only while the object is receiving a transmission. When <b>Latch</b> is on, the Alert LED will remain lit after the transmission is complete, unless overridden by a subsequent object that is also using the Alert LED.
Backlight	On, Off or Flash	Controls whether the backlight should be on, off or flashing while the object is active.
Alarm	None, Chirp, Hi-Lo, Alert, Ring, 2-Chirp, Fast Hi-Lo, DTMF#	Sets the Audible Alarm for the STLK object. When an Audible Alarm is selected, the selected alarm will play anytime the scanner stops for activity on the STLK object while scanning.
Fav	Yes or No	When On, the STLK object is a member of the Favorites Scan List.
EXPERT BELOW		
Atten	On or Off	When on, applies 20 dB of attenuation to all hits received on the STLK search. Useful in areas where interference from nearby strong signals is present.
Delay	On or Off	Controls whether a Delay is used to wait for reply traffic after a transmission on the STLK search.
Delay Time	1-250 x 100ms	Sets the amount of time (in 100 millisecond intervals) for the wait for reply delay if Delay is On, e.g., 20=2 seconds.

## Menu Reference

STLK Parameters	Options	Description
Zeromatic	On or Off	When on, enhances the scanner's ability to lock on to the actual center frequency of a search hit instead of an adjacent frequency.
Special	On or Off	STLK works by quickly sweeping the RF spectrum in 1 MHz increments to find nearby strong signals. If the 1 MHz sweep indicates that activity is present in the 1 MHz range, STLK sweeps that range to find the source.
Search Dir	Up or Down	Sets search direction used when STLK object is active.
Hit Count	Numeric value	Increments each time a transmission is received on the STLK object. Global "Hit Counts" must be set to ON. Press the <b>Dflt</b> softkey to reset to 0.

## Appendix C: Text Entry and QuickText

Your scanner uses a simple text entry method that allows entry of all uppercase and lowercase letters of the alphabet, numbers, and punctuation symbols. Your scanner also features QuickText, which allows you to store up to 10 commonly used text items for instant recall while editing alphanumeric fields.

### Text Entry

To enter a letter in an alphanumeric text field, press the number key below the letter you wish to type first, then press the number key that corresponds with the position of the letter in the silk screen group.

For example, the number **2** is used to access the letters A, B and C. To type the letter A, press **2** to select the ABC group, then **1** to select the first letter in the group. Likewise, to type the letter B, press **2** to select the ABC group, then press **2** again to select the second letter in the group. And, to type the letter C, press **2**, then **3** to select the third letter in the group.

- To enter numbers in alphanumeric text fields, press **1** first, then the number you wish to type.
- To enter punctuation, press **0** first to see the first set of punctuation, then press the number key that corresponds with the position of the desired punctuation mark in the set.
- To enter a space, press the . (period) key to enter a SPACE.
- While using Standard Text Entry, the **FUNC** key serves as a shift key.

## Text Entry

- For letters, uppercase text is typed by default, and you can shift to lowercase by pressing **FUNC** before entering a character.
- For punctuation, **FUNC** accesses a second set of punctuation marks. The shift action of **FUNC** remains active until it is pressed again.
- Press ◀ or ▶ to move the cursor to the desired location in edit fields. Press **FUNC** ◀ or **FUNC** ▶ to move the cursor to the beginning or end of an edit field.
- Use **CL** as a backspace key to erase characters before the cursor, and press **FUNC CL** to clear the entire field.

Char	Press	Char	Press	Char	Press	Char	Press
A	21	O	63	3	13	?	07
B	22	P	71	4	14	->	08
C	23	Q	72	5	15	'	09
D	31	R	73	6	16	<-	00
E	32	S	74	7	17	.	0(F)1
F	33	T	81	8	18	-	0(F)2
G	41	U	82	9	19	#	0(F)3
H	42	V	83	0	10	_	0(F)4
I	43	W	91	\$	01	@	0(F)5
J	51	X	92	%	02	+	0(F)6
K	52	Y	93	!	03	*	0(F)7
L	53	Z	94	^	04	&	0(F)8
M	61	1	11	(	05	/	0(F)9
N	62	2	12	)	06	,	0(F)0

**Note:** Press **FUNC** for lower case letters.

### QuickText

QuickText allows you to store up to 10 commonly used text items for instant recall while editing alphanumeric fields. For example, as you search, store, and name new CONV or TGRP objects, you may find that you type the same words over and over, such as POLICE, FIRE, SHERIFF, STATE, CITY, COUNTY, etc.

- A few common QuickText words are provided for your convenience. You can keep these, edit them to your preferences, or replace them with your own custom QuickText words.
- QuickText can be used while editing any alphanumeric text field.

#### To insert a stored QuickText item:

1. While editing an alphanumeric text field, press ◀ or ▶ to position the cursor where you want the QuickText inserted, then press the QTXT softkey.

The top row of the display will show the available QuickText phrases.

2. Press ▲ or ▼ to scroll through the stored QuickText phrases, and press **SEL** to insert the QuickText phrase at the cursor location.

As a shortcut, press the number key on the numeric keypad that corresponds with the QuickText item you wish to use, instead of scrolling and pressing **SEL**.

### Customizing QuickText

#### To edit the QuickText words:

1. Press **PGM**, then the GLOB softkey.

## Text Entry

2. Press ▲ or ▼ to scroll to QTXT and find the QuickText storage location that you wish to change.
3. Press ► to edit the QuickText entry.
4. Use the standard text entry method to enter your desired text.

**Note:** When you use your QTXT entry in a text field, any unused spaces will be filled with space characters. If you want to leave room for adding text, enter a space after your QTXT, then a dollar sign (\$). When you use your QTXT in a text field, the edit cursor will be positioned just after the space so you can continue adding text to the text field.

5. Once you are finished editing your QTXT storage location, press the SAVE softkey to save the QTXT.
6. Press the SAVE softkey again to save the changes you made to the GLOB menu.



# Index

## A

### Alarms

Global Setting.....	103
Object Setting .....	81, 106, 109, 112, 117, 120, 123
Weather Alarm.....	69

### Alert LED

Global Setting.....	103
Object Setting .....	81, 106, 109, 112, 117, 120, 122

### Antenna

Connecting .....	16
External .....	16
Troubleshooting .....	95
Weather Scanning.....	68

### Attenuator

Global Settings.....	104
Key .....	7
Setting.....	23
Troubleshooting .....	95

## B

### Backlight

Alerts .....	81
Key .....	7
Setting.....	27

### Batteries

Charge Time .....	19, 104
Charging .....	18
Global Settings.....	104
Installing.....	17
Setting Battery Type.....	18
Troubleshooting .....	95

Belt Clip.....	16
----------------	----

Birdie Frequencies .....	88
--------------------------	----

## C

### Clear

Favorite Scan List.....	47
Hit Counters.....	80
Key .....	6
Lockouts.....	53
Memory .....	86, 98
Text .....	32, 126

Cloning .....	77
---------------	----

CONV.....	See Conventional Channel Object
-----------	---------------------------------

### Conventional Channel Object

Creating .....	31
----------------	----

# Index

Defined.....	10
Detailed Menu Reference.....	108
Priority Scan .....	79

## D

### Dedicated Searches

Defined.....	61
LMIT.....	61
Signal Stalker II .....	64
SRVC.....	62
TUNE .....	65
Tune LED.....	67

### Delay

Key.....	6
Object Delay.....	110, 112, 118, 121, 123
Search Delay.....	106
Setting.....	26

### Deleting Objects..... 48

### Display..... 8

### Duplicate (DUPE) ..... 37

## E

### Encrypted Radio Communications ..... 15

## F

### Factory Defaults

Initializing the Scanner.....	98
Resetting Global Parameters .....	97

### Favorite List

Adding Objects .....	46
Clearing.....	47
Defined.....	43
Key.....	7

### FCC Notice ..... 89

### Finding

Locked Out Objects.....	49
Text Strings .....	50

### FIPS Codes..... 69

### FUNC (Function) Key ..... 7

Text Entry .....	125
------------------	-----

## G

### Global (GLOB) Menu

Defined.....	24
Detailed Reference .....	102

### Global Attenuator

Key.....	7
----------	---

## H

Headphones.....	21
Help Menu.....	25
Key.....	6
Hit Counters.....	79

## I

Input	
Character.....	6
Decimal Point .....	6
Number .....	6
Text .....	31, 125

## K

Keylight/Backlight	
Key.....	7
Setting.....	27
Keylock.....	7
Key Tone.....	26

## L

LCD Contrast .....	26
Legal Scanning .....	89
Limit Search	
Creating .....	55
Dedicated LMIT Search .....	61
Defined.....	12
Detailed Menu Reference.....	116
LMIT .....	See Limit Search
Lock keypad.....	7
Lockout	
Finding .....	49
Key.....	7
Object Lockout.....	51
Permanent.....	7, 52
Search.....	53
Talkgroup .....	53
Temporary.....	7, 51
Wildcard.....	54
LTR	
Display.....	67
Home Repeater AutoMove .....	85

## M

Manual Mode .....	39
Memory	
Object Numbering.....	41
Report.....	77
Saving Main Memory .....	75

# Index

Scan Lists.....	42
V-Scanner .....	74
<b>Motorola</b>	
Custom Channel Tables.....	116
Display Information.....	67
Dwell Time .....	115
Fleet Map.....	116
Multi-Site.....	82, 115
Priority Talkgroups.....	79
Show CC Info .....	107
Trunking System Type .....	113
<b>N</b>	
Networked Systems.....	82
NS Scan List .....	46
<b>O</b>	
Object Menus	
Detailed Menu Reference.....	102
EXPERT BELOW .....	30
Understanding.....	28
Object Numbering.....	41
Object Oriented Scanning	
Defined.....	9
Objects.....	See Scannable Objects
Object Searches .....	55
<b>P</b>	
P25 Systems	
Custom Channel Tables.....	116
Display Information.....	67
Dwell Time .....	115
Features.....	14
Multi-Site.....	82, 115
Show CC Info.....	107
Subaudible Squelch Mode.....	108
Trunking System Type .....	113
Pause	
Basic Scanning.....	38
Key .....	7
Tune Mode.....	65
Power.....	See also Batteries
External Power.....	20
Power-On Configuration.....	86
Power-On Password.....	87
Priority	
CONV Setting.....	109
Global Setting.....	105, 106
Key .....	7

Priority Scan .....	78
TGRP Setting .....	111
Weather Priority Mode.....	69
<b>Programming</b>	
CONV Objects.....	31
PGM Key .....	7
Storing Memory.....	74
TGRP Objects .....	32
TSYS Objects .....	33
<b>ProVoice Digital Modulation .....</b>	<b>15</b>
 <b>Q</b>	
<b>QuickText .....</b>	<b>125</b>
Customizing.....	127
 <b>S</b>	
<b>SAME</b>	
Location and Event Codes .....	70
Standby Mode .....	69
<b>Scan Lists</b>	
Changing .....	43
Default.....	47, 105
Enabling or Disabling .....	45, 108, 111, 116, 119, 122
Grouping Objects .....	42
Naming.....	44
Viewing.....	39
<b>Scannable Objects</b>	
Abbreviations.....	10
Creating .....	28
Defined.....	9
Grouping.....	42
Numbering.....	41
Scanning.....	38
<b>Scanning.....</b>	<b>38</b>
Display Information .....	40
Favorites.....	43, 47
Legally .....	89
Priority .....	78, 105
Weather.....	68
Wildcard.....	38
<b>Searching</b>	
Dedicated Searches .....	61
Search Mode Key .....	7
For Birdie Frequencies.....	88
For Objects .....	49
Frequency Searches .....	55
Limit Search .....	55
Lockout.....	53
Search Bands .....	100
Service Search .....	57

# Index

Signal Stalker II .....	59
Service and Repair .....	91
Service Search	
Creating .....	57
Dedicated Service Search.....	62
Detailed Menu Reference.....	119
Shortcuts .....	86
Signal Stalker II	
Creating .....	59
Dedicated Signal Stalker II .....	64
Detailed Menu Reference.....	122
Key .....	7
Skywarn	
Key .....	7
Scan List .....	42, 110, 112
Softkeys.....	6, 29
Speakers.....	21
Specifications .....	91
Squelch.....	8, 23
Encoded.....	14, 66, 107
Settings .....	108
SRVC .....	See Service Search
STLK.....	See Signal Stalker II

## T

Talkgroup Object	
Creating .....	32
Defined.....	11
Detailed Menu Reference.....	111
Global Settings.....	106
Lockout.....	53
Priority Scan .....	79
Types.....	36
Text Entry .....	125
Text Tags .....	31
TGRP .....	See Talkgroup Object
Troubleshooting .....	95
Trunking System Object	
Creating .....	33
Defined.....	11
Detailed Menu Reference.....	113
Entering TSYS Menu .....	111
TSYS.....	See Trunking System Object
Tune	
Dedicated Tune Search.....	65
Key .....	7
Tune LED .....	67, 105

## V

### V-Scanners

About.....	74
Erasing.....	76
Loading a V-Scanner .....	76
Using V-Scanners.....	75

## W

### Weather Scanning

Key .....	7
SAME Standby Mode.....	69
Wildcard.....	70
Weather Priority Mode.....	69
Weather Radio Mode.....	68

### Wildcard Talkgroup

Defined.....	36
Lockout.....	53
Scanning.....	38
TGRP Ignore .....	107



## Limited Warranty


This product is warranted by **RadioShack** against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from **RadioShack** company-owned stores and authorized **RadioShack** franchisees and dealers.

EXCEPT AS PROVIDED HEREIN, **RadioShack** MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, **RadioShack** SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF **RadioShack** HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the **RadioShack** sales receipt as proof of purchase date to any **RadioShack** store. **RadioShack** will, at its option, unless otherwise provided





by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of **RadioShack**. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a **RadioShack** Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

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

**RadioShack** Customer Relations  
300 RadioShack Circle  
Fort Worth, TX 76102

12/99



**Notes:**



**Notes:**

## RadioReference.com

Your Complete Reference Source

[www.radioreference.com](http://www.radioreference.com)

**RADIOREFERENCE.COM** IS THE WORLD'S LARGEST RADIO COMMUNICATIONS WEBSITE, WITH A COMPLETE FREQUENCY AND TRUNKED RADIO SYSTEM DATABASE. COME SEE WHAT FREE SERVICES WE HAVE TO OFFER TO THE COMMUNITY:



### The RadioReference Database

Includes a complete frequency database, trunked radio system information, FCC license assignments, 10 Code lists, agency maps, files, downloads, and detailed information for most public safety, military, and local government communications systems.



### The RadioReference Discussion Forums

Where over 120,000 members discuss radios, scanning, trunking, decoding, antennas, specialty radio topics, and location specific information.



### The RadioReference Wiki

The most comprehensive reference source of radio communications reference information – the de-facto encyclopedia for the radio communications community.

**FOR ONLY \$7.50 A QUARTER, RADIOREFERENCE.COM ALSO PROVIDES PREMIUM SUBSCRIPTIONS, WHICH ENTITLES PAID MEMBERS ACCESS TO:**

- The RadioReference.com Web service, to allow software applications to program a scanner directly from the RadioReference Database.
- PDF Downloads of database information for easy printing.
- MyRR – personalization for keeping track of your local information.
- Special database searches to make finding radio communications data easier.

**COME SEE WHY WE ARE THE #1 RESOURCE FOR THE RADIO COMMUNICATIONS COMMUNITY!**

Hypersearch, Hyperscan, and Adaptaplug are trademarks used by RadioShack Corporation.

Motorola, Smartnet, Smartzone, Omnilink, ASTRO and Privacy Plus are registered trademarks of Motorola Inc.

EDACS is a registered trademark of MA-COM Inc.

LTR is a registered trademark of EF Johnson.

©2012. *RadioShack* Corporation.

All rights reserved. *RadioShack* is a trademark used by *RadioShack* Corporation.