

Appendix A Hot key examples

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Example 1: selecting a specific channel

This example shows you how to create a macro to select a specific channel in the Channel List.

When you run this macro, the transceiver:

- opens the Channel List
- selects the channel specified in the macro
- briefly displays the new channel
- returns you to the screen you were on

To create this macro:

- ☐ Press **VIEW** until the channel screen is displayed.
- ☐ Scroll to the channel you want the macro to select.
- ☐ Hold **Q** to open the List Manager.
- ☐ Scroll to **Macros...**, then press **✓**.
- ☐ Scroll to **Create macro**, then press **✓**.

The transceiver asks you to select the action you want the macro to perform.

- ☐ Scroll to **Go to this chan**, then press **✓**.

The transceiver asks you to select the timing with which the macro operates.

- ☐ Scroll to **Before pause**, then press **✓**.

NOTE When you use a macro to select a channel the channel is always selected before the channel screen is displayed. You can therefore select **Before pause** or **After pause**. The end result is the same.

- ☐ Press the key to which you want to assign the new macro.
- ☐ Scroll to the macro that you want to have in the list immediately after the new macro, then press **✓**.
- ☐ Type a name for the macro, then press **✓**.

The macro is created and assigned to the key, and the List Manager remains open.

Example 2: displaying an information screen

The time and LQA screens are information screens. You can view the information on these screens but you cannot change it. This example shows you how to create a macro to display the time screen in the Control List.

When you run this macro, the transceiver:

- goes to the time screen entry in the Control List
- briefly displays the current time and date
- returns you to the screen you were on

To create this macro:

- ☐ Log into admin level (for help see [page 110, Logging into admin level from user level](#)).
- ☐ Press **X** until **Main Menu** is displayed.
- ☐ Scroll to **Control**, then press **✓**.
- ☐ Scroll to **Time Screen**, then press **✓**.
- ☐ *Hold* **Q** to open the List Manager.
- ☐ Scroll to **Macros...**, then press **✓**.
- ☐ Scroll to **Create macro**, then press **✓**.

The transceiver asks you to select the timing with which the macro operates.

- ☐ Scroll to **Before pause**, then press **✓**.

NOTE This macro displays an information screen and does not change any values, so you can select **Before pause** or **After pause**. The end result is the same.

- ☐ Press the key to which you want to assign the new macro.
- ☐ Scroll to the macro that you want to have in the list immediately after the new macro, then press **✓**.
- ☐ Type a name for the macro, then press **✓**.

The macro is created and assigned to the key, and the List Manager remains open.

Example 3: displaying and/or changing a setting in the Control List

This example shows you how to create a macro to display and/or change a setting in the Control List. You can then change the value or press **X** to leave it as it is.

When you run this macro, the transceiver:

- goes to the Cfg Alert Tones entry in the Control List
- displays the current value
- waits for you to act

To create this macro:

- ☐ Log into admin level (for help see [page 110, Logging into admin level from user level](#)).
- ☐ Press **X** until **Main Menu** is displayed.
- ☐ Scroll to **Control**, then press **✓**.
- ☐ Scroll to **Cfg Alert Tones**, then *hold* **✓**.

A question mark is displayed at the end of the top line to indicate that you can now change the value.

- ☐ *Hold* **Q** to open the List Manager.
- ☐ Scroll to **Macros...**, then press **✓**.
- ☐ Scroll to **Create macro**, then press **✓**.

The transceiver asks you to select the action you want the macro to perform.

- ☐ Scroll to **Display value**, then press **✓**.

The transceiver asks you to select the timing with which the macro operates.

- ☐ Scroll to **Waits**, then press **✓**.
- ☐ Press the key to which you want to assign the new macro.
- ☐ Scroll to the macro that you want to have in the list immediately after the new macro, then press **✓**.
- ☐ Type a name for the macro, then press **✓**.

The macro is created and assigned to the key, and the List Manager remains open.

Example 4: changing a value to the next value in a list

For many entries in the Control List, changing a value involves selecting a value from a short list of possible values. For example, when you change the brightness of the screen you can select bright, medium or dark. This example shows you how to create a macro to change the current value to the next value in one of these entries, whatever that value may be.

For entries where the values are on and off, creating a macro to go to the next value means you can toggle the entry on and off using the same macro. For other entries it means you go to the next value each time you use the macro.

This example shows you how to create a macro to switch Help Mode on or off.

When you run this macro, the transceiver:

- goes to the Help Mode entry in the Control List
- changes the value to the next value in the list (that is, from On to Off, or Off to On)
- saves the value

The timing with which this macro operates is immediate. This means that the macro operates in the background and simply displays the result (that is, Help Mode is switched on or off).

To create this macro:

- ☐ Log into admin level (for help see [page 110, Logging into admin level from user level](#)).
- ☐ Press **X** until **Main Menu** is displayed.
- ☐ Scroll to **Control**, then press **✓**.
- ☐ Scroll to **Help Mode**, then *hold* **✓**.

A question mark is displayed at the end of the top line to indicate that you can now change the value.

- ☐ *Hold* **Q** to open the List Manager.
- ☐ Scroll to **Macros...**, then press **✓**.
- ☐ Scroll to **Create macro**, then press **✓**.

The transceiver asks you to select the action you want the macro to perform.

- ☐ Scroll to **Set next value**, then press **✓**.

The transceiver asks you to select the timing with which the macro operates.

- ☐ Scroll to **Immediately**, then press **✓**.

If you want to briefly view the value to which the setting is changing, select **Before pause**.

- ☐ Press the key to which you want to assign the new macro.
- ☐ Scroll to the macro that you want to have in the list immediately after the new macro, then press **✓**.

- ☐ Type a name for the macro, then press ✓.

The macro is created and assigned to the key, and the List Manager remains open.

Example 5: opening a list at the marker entry

This example shows you how to create a macro to open a list at the entry on which a marker has been set.

When you run this macro, the transceiver:

- opens the list
- goes to the entry on which the marker has been set
- waits for you to act

To create this macro:

- ☐ Set a marker on the entry to which you want the macro to go (see [page 94, Setting a marker](#)).

If you have already set the marker, open the list in which the entry is stored.

- ☐ Hold **Q** to open the List Manager.
- ☐ Scroll to **Macros...**, then press ✓.
- ☐ Scroll to **Create macro**, then press ✓.

The transceiver asks you to select the action you want the macro to perform.

- ☐ Scroll to **Go to marker**, then press ✓.

The transceiver asks you to select the timing with which the macro operates.

- ☐ Scroll to **Waits**, then press ✓.
- ☐ Press the key to which you want to assign the new macro.
- ☐ Scroll to the macro that you want to have in the list immediately after the new macro, then press ✓.
- ☐ Type a name for the macro, then press ✓.

The macro is created and assigned to the key, and the List Manager remains open.

Example 6: making a call using a specific entry in the Address List

This example shows you how to create a macro to make a call using a specific entry in the Address List.

When you run this macro, the transceiver:

- opens the Address List
- goes to the entry specified in the macro
- begins a call to the address specified in the entry

The timing with which this macro operates is **Immediately**. This means that the macro begins the call without displaying the Address List entry first. The transceiver may, however, prompt you for information about the call depending on the details supplied in the entry.

To create this macro:

- ☐ Press **VIEW** until the Address List is displayed.
- ☐ Scroll to the entry you want the macro to call.
- ☐ *Hold* **Q** to open the List Manager.
- ☐ Scroll to **Macros...**, then press **✓**.
- ☐ Scroll to **Create macro**, then press **✓**.

The transceiver asks you to select the action you want the macro to perform.

- ☐ Scroll to **Go to this entry**, then press **✓**.

The transceiver asks you to select the timing with which the macro operates.

- ☐ Scroll to **Immediately**, then press **✓**.
- ☐ Press the key to which you want to assign the new macro.
- ☐ Scroll to the macro that you want to have in the list immediately after the new macro, then press **✓**.
- ☐ Type a name for the macro, then press **✓**.

The macro is created and assigned to the key, and the List Manager remains open.

Example 7: setting up one-touch discreet operation

This example shows you how to create a macro that will put your transceiver into discreet operation.

When you run this macro, the transceiver switches off:

- the internal speaker
- alert tones
- backlighting
- key beeps

This macro is created by joining four macros together.

To create this macro:

- ☐ Log into admin level (for help see [page 110, Logging into admin level from user level](#)).
- ☐ Create separate macros to perform the following tasks:

Control List entry	Selected setting	Macro action	Timing	Assign to	Name
Cfg Speaker Internal	Disabled	Set this value	Immediately	Unassigned	Speaker
Cfg Alert Tones	Disabled	Set this value	Immediately	Unassigned	Tones
Screen Brightness (🔊 + 0)	Dark	Set this value	Immediately	Unassigned	Dark
Key Beeps	Off	Set this value	Immediately	Unassigned	Beeps

NOTE

For help see [page 330, Example 3: displaying and/or changing a setting in the Control List](#).

- ☐ Join the macros together, selecting Speaker as the first macro each time (see [page 247, Joining macros](#)).
- ☐ Rename the Speaker macro to Discreet.
- ☐ Delete the Tones, Dark and Beeps macros.

NOTE

The internal speaker is switched on again by **holding MUTE**, and the screen backlighting is changed by pressing 🔊. If the user needs to restore key beeps and alert tones, you should create new macros that enable the user to switch on these settings (see [page 330, Example 3: displaying and/or changing a setting in the Control List](#)).

Appendix B Get Status calls

When you make a Get Status call you need to specify whether you want to retrieve diagnostic or configuration information from the remote station (see [Table 46](#) and [Table 47](#)). You do this by entering the number 1 or 2 in the Message setting when prompted by the transceiver. You can also pre-type and store these numbers in the Messages entry in the Control List (see [page 225, Messages entry](#)), or create an entry for the call in the Address List (see [page 154, Programming the Address List](#)).

Diagnostic information

To obtain diagnostic information, enter '1' as the message for the Get Status call. Transceivers from other vendors may obtain diagnostic information from a 2110 SSB Transceiver by sending an AMD message containing #CMD 1 in a Plain network.

Table 46: Diagnostic information from a Get Status call made to a Codan transceiver

Information received	Description
RXnn.n	Battery voltage in receive
TXnn.n	Battery voltage in transmit
S1=nnn	Signal strength of received call (μ EMF)
S2=nnn	Signal strength 2 seconds after call was received (μ EMF)
SWRn.n	SWR of the antenna
Pnnn	Power output of the transmitter (W)
Tnn	Temperature ($^{\circ}$ C)

Configuration information

To obtain configuration information from a Codan transceiver, enter '2' as the message for the Get Status call.

Table 47: Configuration information from a Get Status call made to a Codan transceiver

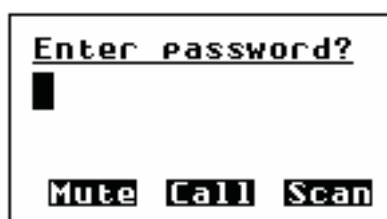
Information received	Description
SR VR VR Mobile 2110	Product type as held in the Customer Radio entry in the Control List
RF: n.nn JB:n.nn NRI:n.nn 2110:n.nn	Product name as held in the Devices entry in the Control List, followed by the firmware version number for the device

Appendix C Forgotten passwords

If you have forgotten your user password, contact Codan to obtain a code to erase your password. You will be asked to quote the ESN of the transceiver unit.

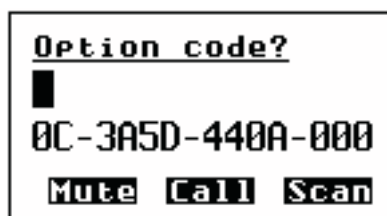
To obtain the required ESN and/or enter the code provided by Codan:

- ☐ Switch on the transceiver then wait until you are prompted to enter a password.



- ☐ Hold **Q** to display the Option code screen.

The ESN is displayed on the bottom line of the screen.



- ☐ Do one of the following:
 - To exit this screen and return to the Enter password screen, hold **X**.
 - To enter the code to erase your password, start typing. The transceiver automatically enters dashes in the appropriate places. When you have entered the code, press **✓**. The password is erased and the home screen is displayed.

NOTE The ESN is displayed in a similar manner during Admin login.

NOTE To enter a new password, use the Password User or Password Admin entry in the Control List (for help see [page 96, Changing a setting in the Control List](#)).

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Appendix D Limiting user access

This section contains the following topics:

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[Enabling the automatic removal of the incoming call pop-up \(343\)](#)

[Restricting access to holding CALL \(343\)](#)

[Restricting access to Voice Encryptor features \(344\)](#)

Introduction

You can limit access by users to certain areas in the 2110 SSB Transceiver's user interface by entering special configuration commands in the Message 10 entry in the Control List. These commands may prevent accidental changes to setup information, and enable you to hide information on a 'need to know' basis.

You can:

- restrict access to the List Manager in total, or restrict access to certain functions (category LM) (see [page 341, Restricting access to the List Manager](#))
- restrict access to the admin level (category BAL) (see [page 342, Restricting access to admin level](#))
- restrict the call types that can be used to make a call unless they have already been used in an address entry (category BCT) (see [page 342, Restricting access to call types](#))
- enable the automatic removal of an incoming call pop-up (category TIC) (see [page 343, Enabling the automatic removal of the incoming call pop-up](#))
- restrict access to **holding CALL** and hence preventing changes to calling information (category HCD) (see [page 343, Restricting access to holding CALL](#))
- restrict access to the secure PIN function with the Voice Encryptor feature (category BSP) (see [page 344, Restricting access to Voice Encryptor features](#))
- restrict access to the Secure Standby Mode (category SSD) (see [page 344, Restricting access to Voice Encryptor features](#))

NOTE These configuration commands operate at the user level. If you are logged into admin level you will have full access to the above functions, regardless of the setting in the Message 10 entry.

Syntax for the Message 10 entry

The following rules apply to configuration commands used in the Message 10 entry in the Control List:

- Commands must begin with the characters **#\$!** followed by a space, for example, **#\$! BSP**. If you do not use these characters, the transceiver will read any characters in the entry as a standard message.
- Category commands must be followed by a hyphen, then the specific commands (see [Table 48](#) and [Table 49](#)), separated by commas. Each category and corresponding commands are separated by a space, for example:

LM-FV,UL BCT-M,GP

Activating configuration commands in the Message 10 entry

After entering a configuration command in the Message 10 entry, you must switch your transceiver off then on again.

Restricting access to the List Manager

A configuration command for restricting access to the List Manager begins with **#\$! LM-**. Follow this command with the codes that you want to use from [Table 48](#).

Table 48: Codes for restricting access to the List Manager

Use this code...	If you want to...
Ad (Advanced)	Prevent access to the Advanced... features in the List Manager via the Quick Start menu.
AO (Administration Only)	Prevent access to the List Manager.
Ent (Entries)	Prevent creating, renaming, copying, editing and deleting of entries unless it is via the Quick Start menu.
FV (Full View)	Prevent access to full view (see page 112, <i>Displaying full and normal view</i>).
Grp (Group)	Prevent toggling between grouped and ungrouped entries (see page 103, <i>Grouping and ungrouping entries</i>).
HP (Home Page)	Prevent changing the home screen (see page 95, <i>Setting the home screen</i>).
Itm (Item)	Prevent adding and deleting of items unless it is via the Quick Start menu.
Mcr (Macro)	Prevent use of macros.
SM (Set Marker)	Prevent changing the marker on any list (see page 94, <i>Setting a marker</i>).
SS (Show Settings)	Prevent toggling between hiding and showing settings for an entry (see page 101, <i>Hiding and showing settings</i>).
UH (User Hide)	Prevent changing the hide or show status of an entry at user level (see page 113, <i>Hiding and showing information</i>).
UL (User Lock)	Prevent changing the locked or unlocked status of an entry at user level (see page 115, <i>Locking and unlocking information</i>).
ULO (User Locks Off)	Prevent toggling between Locks off and Locks on at user level (see page 116, <i>Switching locks off or on at user level</i>).
BIT (Built-in Test)	Prevent access to built-in tests.

For example, if you want to restrict access to all features in the List Manager, enter the following into the Message 10 entry:

#\$! LM-AO

If you want to restrict access to full view and ungrouping entries that are already grouped, enter the following into the Message 10 entry:

#\$! LM-FV,Grp

Restricting access to admin level

If you want to prevent entry to admin level, enter the following into the Message 10 entry:

#\$! BAL

CAUTION This command can only be removed from the Message 10 entry using NSP.

Restricting access to call types

A configuration command for restricting access to call types begins with **#\$! BCT-**. Follow this command with the codes that you want to use from [Table 49](#).

Table 49: Codes for restricting access to call types

Use this code...	If you want to restrict access to this call type...
AL	ALL
AN	ANY
CT	Channel Test
E	Emergency
GP	Get Position
GRP	Group Selective
GS	Get Status
M	Message
NE	NET
P	Phone
S	Selective
SP	Send Position
WC	Wildcard

For example, if you want to restrict access to using Message and Get Position call types, enter the following into the Message 10 entry:

#\$! BCT-M,GP

Enabling the automatic removal of the incoming call pop-up

A pop-up message is displayed when you receive an incoming call. This message usually remains on the display until you acknowledge it by pressing ✓ or ✕. When you use the Timeout Incoming Call (TIC) configuration command, the incoming call pop-up is removed after 30 seconds.

If you want to automatically remove all incoming call pop-ups after 30 seconds, enter the following into the Message 10 entry:

#\$! TIC

Restricting access to *holding CALL*

When you *hold CALL*, you gain access to changing call details as you make a call. If you want to prevent the user from having access to networks and channels, use the Hold Call Disable configuration command.

For example, if you want to disable the *hold CALL* function, enter the following into the Message 10 entry:

#\$! HCD

Restricting access to Voice Encryptor features

You can restrict access to two features of the Voice Encryptor. A configuration command for restricting access to these features begins with **#\$!** . Follow this command with the codes that you want to use from [Table 50](#).

Table 50: Codes for restricting access to Voice Encryptor features

Use this code	If you want to...
BSP (Block Secure PIN)	Prevent access to the Secure PIN function when the user <i>holds SEC</i> . The function of <i>holding SEC</i> enters Secure Mode in the default setting.
SSD (Secure Standby Disable)	Prevent access to Secure Standby Mode (see page 83, Using the voice encryptor in Standby Mode).

If you want to disable the Secure PIN function, enter the following into the Message 10 entry:

#\$! BSP

If you want to disable the Secure Standby Mode, enter the following into the Message 10 entry:

#\$! SSD

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