

R A D I O N I C S

**Omegalarm 8112:AUX**

**Program Entry Guide**

For the D8112 Control/Communicator

**Notice**

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\* The MultiLink Subhandler is only available in "Index System" versions of the 8112:AUX product handler program (8112 AUX 12.00 and higher).

## i. Introduction

The 8112:AUX Product Handler Program contains the operating instructions for several optional features of the Omegalarm D8112 Control/Communicator. In order to enable the 8112:AUX program, the communicator needs to also be loaded with the 8112:MAIN product handler program. (Instructions for the 8112:MAIN program are found in the *Omegalarm 8112:MAIN Program Entry Guide*.) The 8112:MAIN and 8112:AUX product handler programs are loaded into the Omegalarm D8112 Control/Communicator with the Omegalarm D5100 Bar Code Programmer.

The 8112:AUX product handler is a "master" program which contains smaller (subhandler) programs. When you copy or load a **subhandler** program, the **entire 8112:AUX** product handler program is copied or loaded. When you save a **subhandler** program file in the programmer's memory, the **entire 8112:AUX** product handler program is saved.

The 8112:AUX.B1 Product Handler Program introduced many advanced features for various models of the D8112 Control/Communicator. These advanced features are designed for use with the new models of the D8112 – "G2", and "A" containing the appropriate software [System rev and Alternate (ALTROM) Software rev].

The 8112:AUX 12.00 Product Handler is used with the D5100 "Index System". It contains the same advanced features as the "B1" version *plus* it contains a new subhandler program called "MultiLink" (see Section 18).

Both versions of the 8112:AUX program are "backward compatible" with older models of the D8112, however the older models – "E", "E1", "G", and "G1" – may not be capable of operating the advanced features. The table below shows basic compatibility guidelines for various models of the D8112. The **Logger** and **Cmd 5's** subhandlers contain specific parameters related to the operation of accessories used in conjunction with the D8112 Control/Communicator. The compatibility of these parameters is shown in the appropriate subhandler section, and in the table below. (A "Y" in the column under the model number indicates that the subhandler is compatible with the model.)

ENABLING FEATURES WHICH ARE NOT COMPATIBLE WITH THE CONTROL/COMMUNICATOR CAN CAUSE IMPROPER OPERATION OF THE PANEL.

In *some* cases, if you attempt to load a file into a panel and the compatibility requirements are not met, the D5100 displays **Invalid Target**. Double check the entries in the file, correct (disable) the features which are not compatible, then re-load the file.

D8112 MODEL →	E	E1	G	G1	G2	A
<b>2 Zonex</b>			Y	*	Y	
<b>3 ABCDKeys</b>		Y		Y	Y	Y
<b>5 AltTx</b>				*		
<b>6 Logger</b>					Y	Y
<b>7 CMD5's</b>				See Sec.16		
<b>9 SkedsEn</b>					Y	Y
<b>10 MultiLink</b>					Y	

\* Either Zonex or AltTx can be enabled. The "G1" cannot operate these programs simultaneously.

The MultiLink Subhandler is only available in "Index System" versions of 8112:AUX (8112 AUX 12.00 and higher).

## 1. The 8112:AUX Product Handler Program

The 8112:AUX product handler program consists of several subhandler programs. All of the subhandlers are programmed independently of each other, however they are saved into the programmer's memory or loaded into the control/communicator as one large program.

After one or all of the subhandlers have been programmed, the 8112:AUX program file can be loaded into the appropriate D8112 Control/Communicator, or saved to the D5100 Programmer's memory (if desired) for future use.

Each subhandler program has its own subhandler title (eg. ZONEX, ABCDKeys, etc.). Following is a list of the 8112:AUX subhandler titles, with a description of the feature which the subhandler is used to program.

- 1 This subhandler program is not used.
- 2 **Zonex** is a program for the Omegalarm Zone Expansion system.
- 3 **ABCDKeys** is a program for the Omegalarm D1252 and D360 Command Center function keys.
- 4 This subhandler program is not used.
- 5 **AltTx** is a program for generation of Alternate Transmission formats (e.g: Radio Frequency).
- 6 **Logger** is a program for storage of system events within the D8112. These events can be downloaded using the D9300 Remote Account Manager, and/or printed on a printer at the protected premises.
- 7 **Cmd5's** is a program enabling special Command functions for D1252 Command Centers.
- 8 This subhandler program is not used.
- 9 **SkedsEn** is a program item which enables the 8112:SKEDS Program.
- 10 **MultiLink** is a program for the "Central D8112G2 Control/Communicator" used in the Radionics MultiLink Long Range Radio Frequency System. This subhandler *SHOULD NOT BE USED, except with the "Central D8112G2 Control/Communicator" used at the receiving site in the MultiLink System.*

## 2. How to Enter the 8112:AUX Program

### STANDARD (NON-INDEX) VERSION:

1. To enter the 8112:AUX.B1 program, advance the programmer's display to ...8112 AUX B1... .
2. Scan the **ENTER** bar code. The display changes to **8112A: New File**.
3. Scan the **ENTER** bar code. The display changes to **8112A:** . This is the title prompt for the 8112:AUX program. If you plan to save the file, it needs to have a title. See section 7 for details.
4. If the file will not be saved, scan the **ADVANCE** bar code. The display changes to **2 ZONEX** . This is the first program item of the 8112:AUX program.

### INDEX VERSION (8112:AUX 12.00 OR HIGHER):

1. To enter the 8112:AUX 12.00 program, scan the **ADVANCE** bar code until **8112 INDEX 01.00** appears in the Programmer's display.
2. Scan **ENTER**. The display changes to **8112 MAIN**.
3. Scan **ADVANCE** until **8112 AUX** appears.
4. Scan **ENTER**. The display momentarily shows **8112 AUX 12.00**, then **AUX: New File**.
5. Scan **ENTER**. The display changes to **AUX:** . The blank space is provided for a file title. You can name and save the file or scan **ADVANCE** to view the program items and make selections. (See section 7.1 for details on naming the file.) **2 ZONEX** is the first subhandler of the 8112:AUX program.

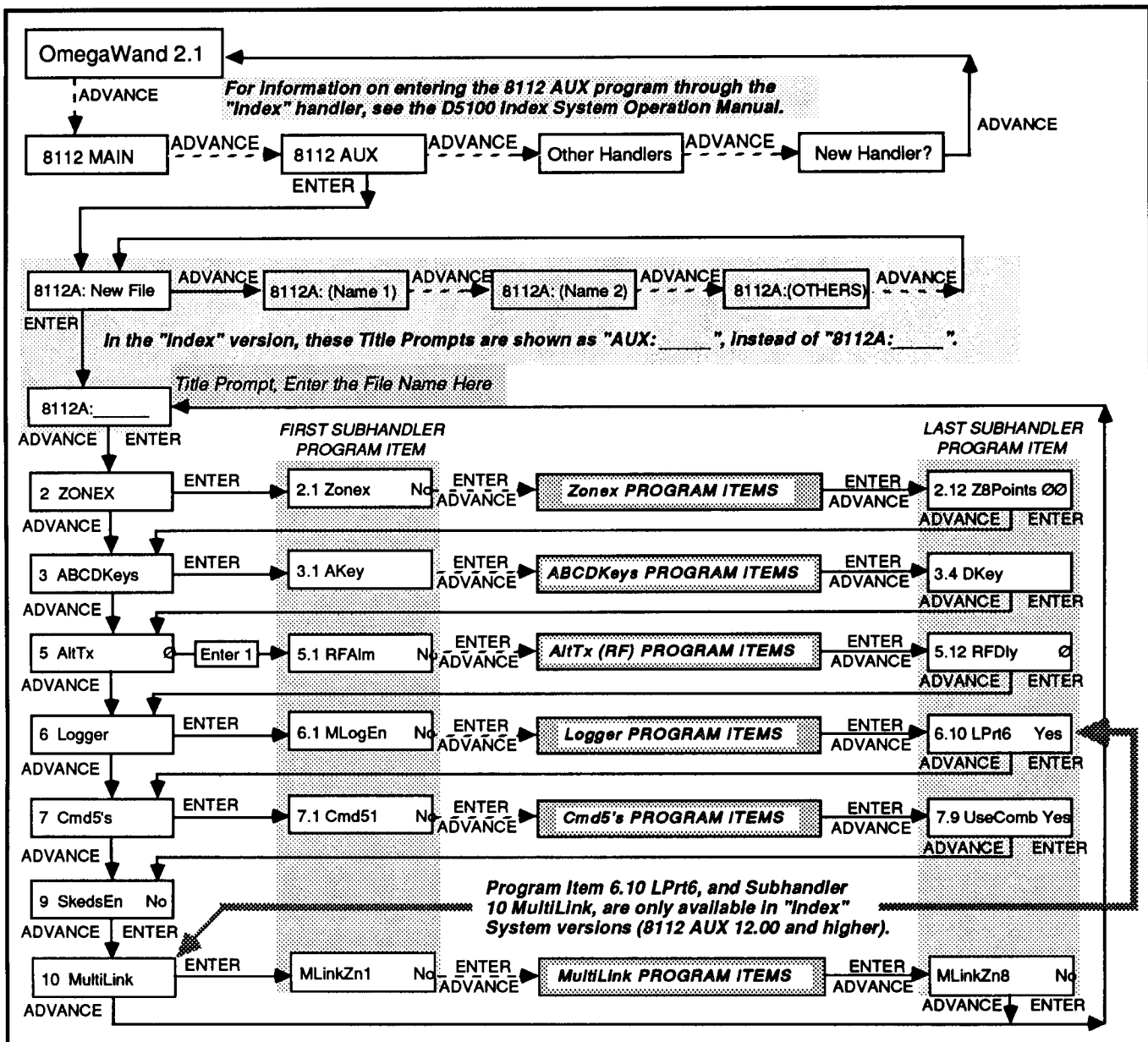
## 3. How to Enter a Subhandler Program

To enter and edit a subhandler, the subhandler title needs to be shown in the programmer's display.

1. Scan the **ADVANCE** bar code until the programmer's display shows the desired subhandler title (e.g.: **2 Zonex**, **3 ABCDKeys** etc.)

2. When the programmer's display shows the desired subhandler title, scan the **ENTER** bar code. The display changes to the first program item for that particular subhandler.<sup>1</sup>

<sup>1</sup> All the subhandler programs except AltTx are entered this way. To enter the AltTx program see Section 14.



#### 4. Moving Through the 8112:AUX Program

You may wish to scroll through the 8112:AUX program to check program entries, and to perform editing tasks. The most commonly used editing bar codes are defined in this section. For a complete list of bar code definitions, consult the *Omegalarm D5100 Bar Code Programmer Operation Manual*.

The **ADVANCE** bar code advances the display through the 8112:AUX product handler program without entering any subhandler programs. When in the subhandler level, the **ADVANCE** bar code advances the display to the next program item.

The **PREV ITEM** bar code steps the display backwards. This bar code is the opposite of **ADVANCE**.

The **ENTER** bar code is used to enter subhandler programs from the main 8112:AUX program level. While the display is showing a subhandler title\*, scan the **ENTER** bar code and the programmer enters that subhandler program loop. To get back to the 8112:AUX handler scan the **EXIT** bar code.

The **EXIT** bar code is used to exit from the file, or programming level at which you are currently working.

\* All the subhandler programs except AltX are entered in this fashion. See Section 14.

## 5. How to Exit a Subhandler Program

1. Scan the **EXIT** bar code. The display changes to the title of the subhandler you were programming.
2. All program entries made in a particular subhandler program are still in the D5100 Programmer's memory buffer at this point. You may now advance through the 8112:AUX handler to another subhandler program, you may save or load the 8112: AUX handler, or you may abandon the entire file.

## 6. Abandoning the 8112:AUX Product Handler Program

If an 8112:AUX program file is to be abandoned while programming, you need to exit from the subhandler level. See section 5.

1. When a subhandler title is in the programmer's display, scan the **EXIT** bar code again.
2. If the file to be abandoned contains revised data (new entries), the programmer displays **# Enters Save?**. This display indicates the number (#) of entries made during programming, and provides one final opportunity to save the file.
3. If you still want to abandon the file, scan the **EXIT** bar code again. The display changes to **OmegaWand 2.1** and the file is abandoned.

## 7. Saving an 8112:AUX File

### 7.1 Constructing a File Title

In order to save an 8112:AUX program file, the file needs to have a title different from any other 8112:AUX program file stored in memory. To construct a file title the programmer's display needs to show **8112A:** . The blank space is provided for a title. The title may be from one to nine characters in length. The characters can be any of the custom display characters, numbers or punctuation marks listed on the D5100 Programmer cover label. When the title is complete scan the **ENTER** bar code.

### 7.2 Save File

1. After you have completed programming the 8112:AUX handler, scan the **SAVE FILE** bar code. If you gave the file a title when you began programming, the file is saved immediately.
  - 1a. If the display shows **8112A:**  then the file does not yet have a title. Construct a file title, scan the **ENTER** bar code, and then scan the **SAVE FILE** bar code again.
  - 1b. If the display shows **Check Title** then there is already a file in memory using that title. Either construct a new file title or scan the **REPLACE FILE** bar code.

## 8. Loading an 8112:AUX File

Before loading an Omegalarm D8112 Control/Communicator with the 8112:AUX program file:

- Be sure that the 8112:MAIN product handler program is loaded and properly programmed for the application. Program item number *122 ExRAM* of the *8112:MAIN* program needs to be programmed "YES" to enable the 8112:AUX product handler.
- Be sure that the D8112 is equipped with the appropriate accessories and software. Each subhandler section in this manual lists the compatibility requirements for that particular subhandler. If the compatibility requirements are not met, the features programmed may not operate, or may operate erratically. The D5100 displays *Invalid Target* if you attempt to load a file containing program entries which are incompatible with the D8112.

1. Connect the D5100 Programmer to the D8112.
2. Advance the programmer display until *..8112 AUX.B1..* is showing. Scan the **ENTER** bar code. The display changes to *8112A: New File* .
3. Momentarily connect the D8112's restart terminal (32) to a common terminal (29).
4. Scan the **ADVANCE** bar code until the desired 8112:AUX file title is displayed, then scan the **ENTER** bar code. If the file requires editing, do so now.
5. When the file is ready to load, scan the **LOAD PANEL** bar code. The programmer momentarily displays *Loading to 8112* , then returns to the first program item in the file. The 8112:AUX program file has been loaded.
6. Disconnect the D5100 Programmer from the D8112.
7. Momentarily connect the D8112's restart terminal (32) to a common terminal (29).

## 9. Copying the 8112:AUX File

1. Connect the D5100 Programmer to the D8112.
2. Scan the **ADVANCE** bar code until the programmer's display shows *..8112 AUX B1..* . Scan the **ENTER** bar code. The display changes to *8112A: New File* .
3. Momentarily connect the control's restart terminal (32) to a common terminal (29).
4. Scan the **COPY FILE** bar code. The display momentarily shows *Copy from 8112* , and then shows the title prompt (*8112A:* ). Scan the **ADVANCE** bar code to view the file, or name the file and save it in the programmer's memory.

## 11. Zonex Subhandler Program

This section of the program entry guide describes the program items of the Zonex Subhandler program. Each separate program item is listed with the program item number and prompt as it appears in the programmer's display, followed by the entry selections available to that item. A description of the function of each program item is included.

The Zonex subhandler is used to program the D8112G series Control/Communicator for zone expansion functionality. A D8112G series control may be expanded to up to 134 individual points of protection with the Zonex Subhandler program.

### Zonex Compatibility Requirements

The Zonex subhandler program requires the following Omegalarm components to function properly:

Hardware: D8112G series\* Control/Communicator, D1252 Alpha II Command Center, D8128 OctoPOPIT Module(s), and/or D8125 POPEX Module(s) and D8126 POPIT Module(s).

Other Product Handler Programs Required: 8112:MAIN  
Other Product Handler Programs Suggested: 8112:PText

**\* NOTE:** You may program the D8112G1 Control/Communicator for *either* Zonex *or* AltTx operation. The D8112G1 cannot operate the Zonex and AltTx subhandlers simultaneously.

### Zonex Subhandler Program Entry Guide

Prompt and Default	Selections	Description
2 Zonex	ENTER or ADVANCE	This program item is the entry point for the Zonex subhandler program.  Scan ENTER to access Zonex. Scan ADVANCE to overpass Zonex.
2.1 Zonex No	YES or NO	This program item is an on/off switch for the Zonex system. When programmed "Yes," the system functions as programmed. When programmed "No," the system is disabled.
2.2 Hrzntl No	YES or NO	This program item determines the zone configuration of the Zonex system. To determine the zone configuration, see the explanation of Horizontal and Vertical modes on the following page. <i>Note: When installing the D8128 OctoPOPIT Module in the Zonex system, see the D8128 OctoPOPIT Module Operation and Installation Manual for details.</i>  When programmed "Yes," the system operates in the horizontal mode.  When programmed "No," the system operates in the vertical mode.

**IMPORTANT:** Do NOT change this program item after the system is installed and programmed. This item directly affects several Zonex parameters, and the switch settings for POPITS and OctoPOPITS. If you change this program item, the affected parameters and switch settings also need to be changed.



### Horizontal or Vertical with One POPEX Module

When the system is installed with *one* POPEX Module, the difference between horizontal mode and vertical mode is simple:

Horizontal mode enables *up to 8 POPITs* to be assigned to a D8112 protective zone and *all 8 zones* can be used in the system. (Zone 8 can be assigned only 7 POPIT modules. If more than 7 POPIT modules are assigned to Zone 8, erroneous messages will result.)

Vertical mode enables *up to 16 POPITs* to be assigned to a D8112 protective zone, however *only 4 zones\** can be used. (Zone 4 or 8 can be assigned only 15 POPIT modules.)

\*Zones must be used in groups (zones 1 through 4 or zones 5 through 8).

ONE POPEX MODULE	D8112 ZONES								MAXIMUM NUMBER OF POPIT's
	1	2	3	4	5	6	7	8	
HORIZONTAL	8	8	8	8	8	8	8	7	63
VERTICAL *	16	16	16	15	—	—	—	—	63
	—	—	—	—	16	16	16	15	

\*Zones must be used in a group . . . (zones 1 through 4) or (zones 5 through 8)

### Horizontal or Vertical With Two POPEX Modules

When the system is installed with *two* POPEX modules, both POPEX modules must be used in the same configuration (ie: both horizontal or both vertical). The difference between the horizontal mode and the vertical mode is best represented by the chart below.

TWO POPEX MODULE	D8112 ZONES								MAXIMUM NUMBER OF POPIT's
	1	2	3	4	5	6	7	8	
HORIZONTAL									
POPEX #1	8	8	8	8	8	8	8	7	63
POPEX #2	8	8	8	8	8	8	8	7	63
VERTICAL									
POPEX #1	16	16	16	15	—	—	—	—	63
POPEX #2	—	—	—	—	16	16	16	15	63

**Horizontal Mode using two POPEX modules**

Each D8112 protective zone input can be assigned up to 16 POPITs. POPEX #1 assigns a maximum of 8 POPITs to each zone input and POPEX #2 assigns a maximum of 8 POPITs to each zone input.

\* In this mode, only 14 POPITs can be assigned to zone 8 of the D8112. POPEX #1 can assign 7 POPITs to zone 8 and POPEX #2 can assign 7 POPITs to zone 8. The maximum number of supervised POPITs in this mode is 126.

**Vertical Mode using two POPEX modules**

Each D8112 protective zone input can be assigned a maximum of 16 POPITs.\* POPEX #1 assigns POPITs to zones 1 through 4 and POPEX #2 assigns POPITs to zones 5 through 8.

\* In this mode only 15 POPITs can be assigned to zones 4 and 8 of the D8112. The maximum number of supervised POPITs in this mode is 126.

2.3 Ptext	No	YES or NO	<p>This program item enables/disables custom text displays for each point of protection (POPIT or OctoPOPIT expansion point). Custom text is displayed in the Alpha Command Center. Displays can be up to eight characters in length.</p> <p>When programmed "Yes," POPIT custom displays are enabled. Each display is programmed in a separate product handler program titled <i>8112:PText</i>. Programming instructions for the 8112:PText product handler are listed in the <i>Omegalarm 8112:PText Program Entry Guide</i>.</p> <p>When programmed "No," POPIT custom displays are disabled. POPITs annunciate status conditions with only standard displays and master zone text as programmed in 8112:MAIN.</p>
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NOTE: Program item 2.4 is not used, and is not visible in the programmer's display.

2.5 Z1 Points	ØØ	ØØ through 16	<p>Program items 2.5 through 2.12 identify to the Zonex system how many POPIT Modules are assigned to each protective zone of the D8112 Control/Communicator. POPIT Modules are assigned to protective zones with the switch block located on each POPIT module.</p> <p>Protective zone 1 of the D8112 is programmed with item <b>2.5 Z1 Points</b>, protective zone 2 is programmed with item <b>2.6 Z2 Points</b>, etc.</p> <p>Entries from 1 to 16 indicate the number of POPIT modules to be assigned to a certain zone. A "ØØ" entry indicates that no (Ø) POPIT modules are assigned to that particular zone.</p> <p><b>NOTE:</b> The maximum number of POPITs assigned to a protective zone depends on the program entry selection of item <b>2.2 Hrzntl</b> and the number of POPEX modules installed in the system. See the explanation of program item <b>2.2 Hrzntl</b> for more details.</p>
2.6 Z2 Points	ØØ	ØØ through 16	
2.7 Z3 Points	ØØ	ØØ through 16	
2.8 Z4 Points	ØØ	ØØ through 16	
2.9 Z5 Points	ØØ	ØØ through 16	
2.10 Z6 Points	ØØ	ØØ through 16	
2.11 Z7 Points	ØØ	ØØ through 16	
2.12 Z8 Points	ØØ	ØØ through 16	

## 12. ABCDKeys Subhandler Program

This section of the program entry guide describes the program items of the ABCDKeys Subhandler program. Each separate program item is listed with the program item number and prompt as it appears in the programmer's display, followed by the entry selections available to that item. A description of the function of each program item is included.

The ABCDKeys subhandler selects the functions for the Omegalarm D360 and D1252 Command Centers' four programmable function keys. Each function key may be programmed with up to six characters (0 through 9 and C). The characters represent the actual keys found on the Command Center keypad. Characters 0 through 9 represent number keys and the C represents the COMMAND key. Function keys record a combination of keystrokes so that the press of one key can execute the same function as several keystrokes.

**EXAMPLE:** To program a function key to perform sensor reset for the D8112 security system, enter C47 into the appropriate function key's program entry.

The programmed keystrokes do not operate when expanded COMMAND 5's are initiated. The function keys take on special meanings while the D8112 is in one of the expanded COMMAND 5 modes. (See the Cmd5's Subhandler Program.)

**NOTICE:** The function keys cannot be programmed to perform an arming command, ie: COMMAND 1, COMMAND 2, COMMAND 3, and COMMAND 8. Do not program function keys for arm/disarm combinations. Where Command Centers are accessible to unauthorized system users, and a higher degree of COMMAND Bar security is desired, the use of a COMMAND Bar security combination is strongly recommended. (See 8112:MAIN program item *82 Cmd99*.)

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### ABCDKeys Compatibility Requirements

The ABCDKeys subhandler program requires the following Omegalarm components to function properly:

**Hardware:** D8112G series, D8112J, or D8112A Control/Communicator and D360 or D1252 Alpha II Command Center.

**Other Product Handlers Required:** 8112:MAIN

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### ABCDKeys Program Entry Guide

Prompt and Default	Selections	Description
3 ABCDKeys	ENTER or ADVANCE	This program item is the entry point for the ABCDKeys subhandler program.  Scan ENTER to access ABCDKeys. Scan ADVANCE to overpass ABCDKeys.
3.1 A Key	Ø through 9, C	Enter up to six keypad characters to program function key <b>A</b> .
3.2 B Key	Ø through 9, C	Enter up to six keypad characters to program function key <b>B</b> .
3.3 C Key	Ø through 9, C	Enter up to six keypad characters to program function key <b>C</b> .
3.4 D Key	Ø through 9, C	Enter up to six keypad characters to program function key <b>D</b> .

## 14. AltTx Subhandler Program

This section of the program entry guide describes the program items of the AltTx Subhandler program. Each separate program item is listed with the program item number and prompt as it appears in the programmer's display, followed by the entry selections available to that item. A description of the function of each program item is included.

The AltTx subhandler is different than the other subhandler programs found in the 8112:AUX handler. To enter any other subhandler, you simply advance the programmer's display to the title of the subhandler you wish to edit and scan the **ENTER** bar code. To access the AltTx subhandler program you must first program the *AltTx format code* (item 5 AltTx) and then scan the **ENTER** bar code. The format code sets the programming variables for the format selected.

### AltTx Compatibility Requirements

The AltTx subhandler program requires the following Radionics components to operate the OmegaLink Long Range Radio Frequency Signaling System.

Hardware: Omegalarm D8112G1\*, or D8112J Control/Communicator, OmegaLink C460TXM, C460PLT, C900TXM, or C900PLT Transmitter Module and OmegaLink C8173 RF Interface Module.

Other Product Handlers Required: 8112:MAIN

\* **NOTE:** You may program the D8112G1 Control/Communicator for *either* Zonex *or* AltTx operation. The D8112G1 cannot operate the Zonex and AltTx subhandlers simultaneously.

### AltTx Program Entry Guide

Prompt and Default	Selections	Description
5 AltTx      Ø	Ø through 7	This program item selects which format the AltTx subhandler uses and also acts as the enable/disable switch for the AltTx subhandler.
	Ø =	AltTx subhandler disabled. No alternate transmission format.
	1 =	Enable Radio Frequency format.
	2—7 =	<b>DO NOT USE THESE ENTRIES.</b> Use of these entries could adversely affect the performance of the D8112.
		To overpass the AltTx subhandler, scan the <b>ADVANCE</b> bar code.

5.1 RFAIm    No	YES or NO	Transmit <b>Alarm</b> messages using <b>RF</b> format? "Yes" enables RF alarm messages. "No" disables RF alarm messages.
5.2 RFRst    No	YES or NO	Transmit <b>RF Restoral</b> messages? This program item allows all non-alarm zone event messages to be transmitted using the RF format. "Yes" enables RF non-alarm zone messages. "No" disables RF non-alarm zone messages.  <b>NOTE:</b> OmegaLink 01 format transmits only restoral reports.
5.3 RFO/C    No	YES or NO	Transmit <b>Opening/Closing</b> messages using <b>RF</b> format. "Yes" enables RF opening/closing message. "No" enables RF opening/closing message.  <b>NOTE:</b> OmegaLink 01 format is not capable of transmitting opening/closing reports.
5.4 RFTrb    No	YES or NO	Transmit <b>Trouble</b> messages using <b>RF</b> format. "Yes" enables RF trouble messages. "No" disables RF trouble messages.  <b>NOTE:</b> OmegaLink 01 format transmits only phone line trouble messages.
5.5 RFOnly    No	YES or NO	Events selected for RF transmission are transmitted by <b>RF</b> format <b>Only</b> .  "Yes" disables digital reports for all events selected for RF transmission.  "No" allows both RF transmitted reports and digital reports (if programmed).
5.6 RFCS    Ø	Ø through 7	Radio Frequency Central Station format.  Ø = OmegaLink 01 format  1 = For future use*  2 = Linear/Seaboard format. (This format is available only with the D8112J Control/Communicator. See the <i>D8112 Control/Communicator Program Entry Guide, Linear/Seaboard Receiving System Applications</i> for programming guidelines when using this format.)*  3—7 = DO NOT USE THESE ENTRIES. Use of these entries could adversely affect the performance of the D8112.

\* **NOTE:** If a format other than OmegaLink is chosen, it must be explicitly understood that Radionics, Inc. accepts no responsibility for the performance of the radio frequency signal receiving and/or decoding equipment used by the Dealer.

5.7 RFAcct	1 through 999	<b>RF transmitter Account</b> number. Enter a three digit account number.
5.8 RFZMax Ø	Ø through 15	Enter the <b>Maximum Zone</b> number from which signals are sent using the <b>RF</b> format. (eg. Entering a <b>4</b> enables zone 1 through 4 to transmit via the RF format. Zones 5 thru 8 do not transmit via the RF format.)
5.9 RFGrp Ø	Ø through 255	Enter the <b>RF Group</b> assignment number or receiver keying designator.
5.10 RFRnds Ø	Ø through 255	Number of <b>RF</b> data <b>Rounds</b> in each burst of radio transmission.  OmegaLink 01 format enter 13.
5.11 RFBrst Ø	Ø through 255	Number of <b>RF</b> carrier <b>Bursts</b> transmitted for each event. OmegaLink 01 format enter 3.
5.12 RFDly Ø	Ø ,or 8 through 255	Number of seconds <b>Delay</b> between the end of one <b>RF</b> transmission burst and the beginning of the next burst.  A "Ø" entry causes random delay intervals varying between 1Ø and 41 seconds. Random intervals reduce clashing reports by staggering bursts.  OmegaLink RF format enter Ø.

## 15. Logger Subhandler Program

This section of the program entry guide describes the program items of the Logger subhandler program. Each separate program item is listed with the program item number and prompt as it appears in the programmer's display; followed by the entry selections available to that item. A description of each program item is included.

The Logger subhandler contains the operating parameters for Memory Logger and Local Printer functions. Memory Logger allows the control/communicator to store alarm and supervisory messages and selectively suppress the transmission of messages on a real time basis. Memory Logger can store up to 400 of the most recent event reports. After 400 reports have been stored, the oldest reports are erased as new events occur. Once stored, the messages can be retrieved from the control/communicator at a later time using the D9300 Remote Account Manager, or they can be printed as they occur using a D8150 Local Security Printer (or a printer or CRT terminal connected to the D8131 Printer/CRT Interface Module).

Memory Logger can store the following events:

- 1) reports that are enabled in the 8112:MAIN handler,
- 2) reports that are enabled in the 8112:ACCESS handler program item *1.6 Log*, and
- 3) COMMAND 5 events (if Logger subhandler *6.6 LogCmd5* is *Yes*).

*ZONEX NOTE: Logger records Point-of-Protection events as Master Zone events.*

Memory Logger can operate in several configurations:

- To send reports to a central station, set Memory Logger subhandler program items 6.2 through 6.5 to *Yes*.
- For a local system, set program items 6.2 through 6.5 to *No*.
- To output logged events to a local printer, set *6.7 LPrtEn* to *Yes*.
- If a local printer is not installed, set *6.7 LPrtEn* to *No*. (Logged events can be viewed using the Remote Account Manager.)

In **D8112G2 and D8112A** Control/Communicators, Memory Logger should always be enabled (*6.1 MLogEn Yes*). 8112:MAIN program item *2 Local* should always be programmed *No*. This allows the programming of Memory Logger items 6.2 through 6.5 to determine which reports are logged locally (in the control/communicator memory or on the printer), and which reports are sent to the central station.

**WARNING: WHEN LOGGER IS ENABLED, MESSAGES ARE NOT TRANSMITTED OVER THE TELEPHONE LINE UNLESS ENABLED IN LOGGER SUBHANDLER PROGRAM ITEMS 6.2 THROUGH 6.5.**

### Logger Compatibility Requirements

The Logger subhandler program requires the following components:

Hardware: D8112G2 or D8112A Control/Communicator  
 D9300 Remote Account Manager and/or  
 D8150 Local Security Printer or D8131 Printer/CRT Interface and printer

Other Product Handlers Required (all models): 8112:MAIN  
 Other Product Handlers Suggested for D8112G2: 8112:Comex  
 Other Product Handlers Required for D8112A: 8112:ACCESS, D8112:ASSIGN, D8112:CARDS  
 Optional Product Handlers for D8112G2 and D8112A: 8112:SKEDS\*, 8112:MLogStart

\* The "SkedInit" product handler may also be required when programming D8112G2 revision 400/400 (and higher) and D8112A revision 600/600 (and higher).

## Logger Program Entry Guide

Prompt and Default	Selections	Description
6 Logger	ENTER or	This program item is the access point for the <b>Logger</b> subhandler program.  Scan ENTER to access Logger. Scan ADVANCE to overpass Logger.
6.1 MLogEn No	YES or NO	<b>Memory Logger Enabled?</b> Memory Logger should ALWAYS be enabled in D8112G2 and D8112A Control/Communicators.  "Yes" enables Memory Logger. "No" disables Memory Logger.
6.2 SendAlm Yes	YES or NO	<b>Send Alarm</b> messages via digital reporting?  "Yes" enables digital alarm reports to the Central Station and storage of alarm reports in memory.  "No" disables digital alarm reports, however, the logger stores alarm reports in memory.
6.3 SendTbl Yes	YES or NO	<b>Send Trouble</b> messages via digital reporting?  "Yes" enables transmission of trouble reports to the Central Station and storage of trouble reports in logger memory.††  "No" disables transmission of trouble reports, however, trouble reports are stored in logger memory.††
6.4 SendRes Yes	YES or NO	<b>Send Restoral</b> messages via digital reporting?  "Yes" enables digital restoral reports to the Central Station and storage of restoral reports in logger memory.††  "No" disables digital restoral reports, however, the logger stores restoral reports in memory.††
6.5 SendO/C Yes	YES or NO	<b>Send Opening/Closing</b> messages via digital reporting? This program item allows you to suppress transmission of opening and closing reports. (Logger is only capable of storing the opening/closing messages enabled in 8112:MAIN Program Items 48 <i>Open</i> , 49 <i>Close</i> , 50 <i>ReO/C</i> and 51 <i>Supv9</i> .)  "Yes" enables transmission of digital opening/closing reports to the Central Station and storage of opening/closing reports in memory.††  "No" disables digital transmission of opening/closing reports, however, the logger stores opening/closing reports in memory.††

†† *Opening, Closing, Trouble, and Restoral reports are always presented in expanded format in the Memory Logger, regardless of the reporting formats programmed in 8112:MAIN.*

**Local System Programming Note:** 8112:MAIN program item 2 *Local* should always be programmed *No* in the D8112G2 and D8112A. Disable event transmission by programming 8112:AUX program items 6.1 *MLogEn Yes* and items 6.2 *SendAlm* through 6.5 *SendO/C No*.



6.6 LogCmd5 No	YES or NO	<p><b>Log Command 5 Events?</b> This program item enables the recording of Command 5 functions (this includes all Command 5's <i>except</i> Command 55 and Command 59).</p> <p>"Yes" enables recording of Command 5 functions. (Command 58 records the User number. If 8112:AUX Program Item 7.9 <i>UseComb</i> is programmed YES, the User number is also recorded for Command 54.)</p> <p>"No" disables recording of Command 5 functions.</p>
6.7 LPrtEn No	YES or NO	<p><b>Local Printer Enable?</b> This is the enable/disable point for programming of Local Printer options. Enter YES if you are connecting a D8150 Local Security Printer or a D8131 Printer/CRT Interface Module to the D8112. (Program Item 6.1 <i>MLogEn</i> must also be programmed YES to enable the Local Printer option.)</p> <p>"Yes" enables the Local Printer option. The format for the serial data output to the Printer/CRT is as follows: BAUD rate = 1200 Baud. Each byte is eight (8) bits long with one stop bit. Bit eight (8) is always zero (0).</p> <p><b>Note:</b> A printer operating on AC power stops printing messages when power is interrupted. When printing is interrupted due to an AC power failure, the line which was interrupted will be reprinted in full when AC power is restored. In order for this feature to work properly, the printer must be connected to the same AC branch circuit as the D8112. (Two asterisks in place of the line number designate the reprinted line in 80 character format.)</p> <p>"No" disables the Local Printer option.</p>
6.8 LPrt80 No	YES or NO	<p><b>Local Printer 80 characters wide?</b></p> <p>"Yes" selects the 80 character format which includes line numbering, expanded system status information, form feed between pages, page numbers and headers.</p> <p>"No" allows only the first 40 characters to print. This selection does not provide line numbering, expanded system status data, form feed between pages, page numbers nor headers.</p>
6.9 LPrtDly No	YES or NO	<p><b>Enable Local Printer Delay?</b> This program item selects a five second pause after each line is printed for un-buffered printers.</p> <p>"Yes" enables a five second delay following each line. (Enter YES if connecting to the D8150 or an un-buffered printer.)</p> <p>"No" disables the delay following each line.</p>
6.10 LPrt6 Yes	YES or NO	<p><b>Provide Local Printer output from port 6 of the D8112's J26 connector?</b> THIS PROGRAM ITEM SHOULD ALWAYS BE PROGRAMMED YES unless you are connecting a device requiring that local printer output be provided from port 5.</p>
<p>This item is only visible in "Index System" versions of 8112:AUX (12.00 or higher).</p>		

## 16. Cmd5's Subhandler Program

This section of the program entry guide describes the program items of the Cmd5's Subhandler program. Each separate program item is listed with the program item number and prompt as it appears in the programmer's display, followed by the entry selections available to that item. A description of each program item is included.

Cmd5's is a subhandler used to enable special command functions for the D8112 Control/Communicator. Several of these command functions are directly related to optional programs and hardware accessories for the D8112. This subhandler is also used to enable valuable troubleshooting tools for the alarm installer (see 7.1 Cmd51 and 7.8 Cmd59).

Where Command Centers are accessible to unauthorized system users, and a higher degree of COMMAND Bar security is desired, the use of a COMMAND Bar security combination is strongly recommended. (See 8112:MAIN program item 82 Cmd99 .)

**NOTE:** When 8112:MAIN program item 122 ExRam is programmed YES, the standard Command Center entry for combination change mode (COMMAND 5) changes from COMMAND 5 to COMMAND 55.

### Cmd5's Compatibility Requirements

The Cmd5's subhandler program requires these components:

Hardware: Omegalarm D8112 Control/Communicator.††  
 D1252 Alpha II Command Center.\*  
 Other components needed for specific Commands are noted in the related program item description.

\* 8112:MAIN Program Item 123 16Char MUST be programmed Yes .  
 The D360 Command Center is not suitable for use in systems using any of the Commands described in this subhandler. Operation of these Commands with the D360 is NOT documented in the D360 Command Center User's Guide.

†† Cmd 5's Compatibility	G1	G2	J	A
7.1 Cmd 51 (Access)				Y
7.2 Cmd 52 (Skeds)		Y		Y
7.3 Cmd 53 (Access)				Y
7.4 Cmd 54 (Relays)	Y	Y	Y	Y
7.5 Cmd 56				
7.6 Cmd 57				
7.7 Cmd 58 (Fire Test)		Y	Y	Y
7.8 Cmd 59 (software)	Y	Y	Y	Y
7.9 UseCombo (Cmd54)		Y	Y	Y

Other Product Handler Programs Required: 8112:MAIN (all Commands). Some Commands require additional programming. This information is specified in the related program item description.

### Cmd5's Program Entry Guide

Prompt and Default	Selections	Description
7 Cmd5's	ENTER or ADVANCE	This program item is the access point for the Command 5's subhandler program. Scan ENTER to access Cmd5's. Scan ADVANCE to overpass Cmd5's.
7.1 Cmd51 No	YES or NO	Enable Command 5 1 ? This command is used in the D8112A Access Control System to test door strikes, show the status of zones associated with card readers, and to "Hold Open" doors. The D8112A needs to be programmed with the 8112:ACCESS, 8112:CARDS, and 8112:ASSIGN Product Handler Programs. An arm/disarm combination for Combo 8 must be programmed in 8112:MAIN in order to use COMMAND 51. See the Command 5's Appendix at the end of this section for more information.  Enter YES to enable COMMAND 51. Enter NO to disable COMMAND 51.

7.2 Cmd52 No	YES or NO	<p>Enable <b>Command 5 2</b> ? This command is entered at the D1252 Alpha Command Center to change or review the Skeds program, and set the Day of Week for the Skeds program in the D8112G2 or D8112A. The system must be disarmed, and an arm/disarm combination for 8112:MAIN Combo 8 or 8112:Comex ComboGroup 8 must be programmed in order to use <b>COMMAND 5 2</b>. <i>See the Command 5's Appendix at the end of this section for operating instructions.</i></p> <p>Enter YES to enable <b>COMMAND 52</b>. Enter NO to disable <b>COMMAND 52</b>.</p>
7.3 Cmd53 No	YES or NO	<p>Enable <b>Command 5 3</b> ? This command is entered at the D1252 to add/delete User Cards and to turn authorization levels on/off in the D8112A Access Control System. The D8112A needs to be programmed with the 8112:ACCESS, 8112:CARDS, and 8112:ASSIGN Product Handler Programs. An arm/disarm combination for Combo 8 must be programmed in 8112:MAIN in order to use <b>COMMAND 53</b>. <i>See the Command 5's Appendix at the end of this section for operating instructions.</i></p> <p>Enter YES to enable <b>COMMAND 53</b>. Enter NO to disable <b>COMMAND 53</b>.</p>
7.4 Cmd54 No	YES or NO	<p>Enable <b>Command 5 4</b> ? This command is entered at the D1252 Alpha Command Center to operate relays in the D8129 Octo-Relay Module. The D8129 must be programmed for "Remote Control Mode" to enable operation using <b>COMMAND 54</b>. <i>See the Command 5's Appendix at the end of this section for additional information.</i></p> <p>Enter YES to enable <b>Command 54</b>. Enter NO to disable <b>Command 54</b>.</p>
7.5 Cmd56 No	YES or NO	<p>Enable <b>Command 5 6</b> ? Not used. Enter NO.</p>
7.6 Cmd57 No	YES or NO	<p>Enable <b>Command 5 7</b> ? Not used. Enter NO.</p>

7.7 Cmd58 No

YES or NO

**Enable Command 58 ?** This command is used to initiate the Fire Test Mode. While in the Fire Test Mode, all reports to the central station are suppressed, except independent zone control openings/closings.

Enter YES to enable Command 58.

Enter NO to disable Command 58.

**CAUTION:** All central station alarm and trouble signals are suppressed while in the COMMAND 58 Test Mode. Therefore, it is strongly recommended that this feature NOT be enabled in systems requiring Duress, Holdup, or 24-hour zone functions that would be affected by the signal suppression of this test mode.

**System Requirements:** The Fire Test Mode is used to initiate a local test of "24 hour" zones (see the *8112:MAIN Program Entry Guide*).

- Command 58 does not operate when the system is armed.
- Do not program 24-Hour zones for "swinger shunt" when Command 58 is enabled.
- 8112:MAIN item *123 16 Char* must be programmed YES. (Command 58 does not operate in 8-Character mode.)
- Bell time must be programmed in 8112:MAIN item *72 Bell* (even if only "silent" zones are used).
- A D1252 Alpha II Command Center is required.
- A valid arm/disarm combination (8112:MAIN Combo 1 - 8, or 8112:Comex ComboGroup 1 - 8) must be entered before the Fire Test Mode is initiated.
- 8112:AUX item *6.1 MLogEn* must be programmed YES.

*See the Command 5's Appendix at the end of this section for a description of the Fire Test Mode and operating instructions.*

7.8 Cmd59 No

YES or NO

**Enable Command 59 ?** When entered at an Alpha Command Center, COMMAND 59 causes the Alpha to display the System Software rev level, Alternate (ALTROM) Software rev level and which programs are currently running in the D8112. *See the Command 5's Appendix at the end of this section for operating instructions. This feature is designed to be a troubleshooting tool for the alarm technician. Command 59 is NOT DOCUMENTED in the Command Center User's Guide for End User operation.*

7.9 UseCombo Yes

YES or NO

**Use Combo** to verify user's authorization to perform this command?

When programmed YES, a valid passcode (8112:MAIN *Combo 1* through *Combo 8*, or 8112:Comex ComboGroup 1 - 8) must be entered at the D1252 before the relays on the D8129 OctoRelay Module can be operated using **Cmd 5 4**.

## COMMAND 5's Appendix

### COMMAND 51

#### Using COMMAND 51 To Check Status and Test Doors:

(End User instructions are provided in the *D1252A Security System User's Guide*)

1. COMMAND 51 can be used while the system is armed OR disarmed.  
DO NOT use this command while a Remote Account Management session is in progress.
2. Press the **COMMAND** bar, the display shows: *SYSTEM COMMAND*.
3. Press the **5** key, the display shows: *SUB COMMAND*.
4. Press the **1** key, the display shows: *ENTER YOUR COMBO*.
5. Enter **COMBO 8**, if it is valid then the display shows: *Door States R R R R*. The "R"s in this display stand for "Ready" and represent card readers A, B, C, and D, respectively. The display could show any of the six states listed below, depending on the current status of the associated reader and its programming:
  - R = Ready (Strike NOT activated, door zone is normal)
  - C = Closed (Strike is activated, door is closed)
  - S = Strike (The card has been read and the door strike/buzz has been activated, however, no Door Zone is programmed in association with this card reader.)
  - H = Hold (The door strike is locked open and the door zone is shunted until the associated number key is pressed again.)
  - O = Open (The door has been left open after the door strike/buzz time has expired and the door zone is shunted. A buzz alerts you if the door is left open too long.)
  - X = Door not programmed.
6. **Test the Doors:** Press Function Key A, B, C, or D on the Alpha II Command Center to simulate reading of a card at the associated card reader. The relays, shunts, and card reader's buzzer will respond as programmed in 8112:ACCESS. The Alpha display changes to show the state of the door zone (programmed in 8112:ACCESS program item 1.3 DoorZn).
7. Press the **COMMAND** bar to exit COMMAND 51 mode. ***This mode does not "time-out", you must use the COMMAND bar to exit.***

**Hold Door Open:** With this COMMAND 51 feature you can manually activate the door strike, shunt the zone and deactivate the buzz on any or all of the doors for any length of time. This allows you to come in and out of the door without the use of a card.

**NOTE:** This Command 51 feature is available only in versions of the D8112A containing software revision 600/600 (or higher).

**Skeds NOTE:** Command 51 can be used to change the state of Access Control Doors which are controlled by Skeds programmed with "Hold Open" and "Normal Operation" functions. When Skeds programmed with these functions run, they can change the state of doors which have been manually held open or returned to normal operation with Command 51.

1. While the door status display is showing (see step 5 above), press a Number Key corresponding to the door address (Reader A =1, Reader B=2, Reader C=3, Reader D=4).
2. To return the door status to its original display (in step 5), press its corresponding Number Key again.
3. Press the **COMMAND** bar to exit COMMAND 51 mode. ***This mode does not "time-out", you must use the COMMAND bar to exit.***

**LOGGING NOTE:** Door Tests and Hold Door Open activities using Command 51 are not logged, however, card reads and egress activity are logged normally while Hold Door Open is activated.

## COMMAND 52

Using **COMMAND 5 2**: (End User instructions are provided in the *D1252 Security System User's Guide*)

1. COMMAND 52 can NOT be used while the system is armed.  
DO NOT use this command while a Remote Account Management session is in progress.
2. Press the **COMMAND** bar, the display shows: *SYSTEM COMMAND*.
3. Press the **5** key, the display shows: *SUB COMMAND*.
4. Press the **2** key, the display shows: *ENTER YOUR COMBO*.
5. Enter **COMBO 8**, if it is valid then the display shows: *SKEDS FUNCTION?* There are 4 functions you can choose. Each function is selected by using the designated Function Key on the D1252:

**Key A:** Active Skeds—review which Skeds are programmed and their Sked type,

**Key B:** Bypass Holiday—turn the Holiday mode on or off,

**Key C:** Change time of individual skeds that have 8112:Skeds program item *TimeEdit?* set to YES,

**Key D:** Day of week—Set the calendar for the Day of Week (1 - 7) in the D8112\*.

\* **NOTES:** Use COMMAND 46 to set the date.  
8112:MAIN program item *37 Month* must be programmed YES.

5. Press the key for the function you want to perform and follow the instructions below to complete the function.

**A — Active Skeds:** This function is used to review Skeds which have *TimeEdit* programmed YES, and to determine the *SkedType* (1 = Date of Year, 2 = Day of Week).

**NOTE:** If *none of the Skeds* have *TimeEdit* programmed YES, the display shows *NO ACTIVE SKEDS*, even if Skeds are programmed in the panel.

- 1) Press the **A** key. If there are any Skeds programmed, the display shows: *SKEDS### - TYPE #*. This display shows the number of the first Sked which can have the time changed and also shows the Sked Type.
- 2) Press **COMMAND** to advance to the next active Sked.
- 3) Continue through all of the programmed Skeds, or press the **D** key to return to *SKEDS FUNCTION?*

**B — Bypass Holiday (Turn Holiday Bit On/Off):** This function is used to manually turn the Holiday Mode on and off. Typically this is used only by the alarm technician, however, the user should be aware of the hazards of using this function, and should be cautioned to avoid accidental operation of this function. Following are some cautions which should be explained to your customers if Command 52 will be made available to them:

- This function affects ALL SKEDS PROGRAMMED WITH AN "XOH" (eXcept On Holiday) or AN "OOH" (Only On Holiday) function bar code.
  - If used with Access Control Systems, there may be Skeds Functions which enable/disable access control authorization levels—this could adversely affect Users' ability to arm/disarm, enter, and exit the premises.
  - This function does not permanently disable or enable the programmed Holiday Periods. It will only change the state of the Holiday Bit until the Beginning or End of the next programmed Holiday Period.
  - To permanently disable a programmed Holiday Period, use COMMAND 52, function C.
  - If this function is accessed accidentally, DO NOT PRESS ANY KEYS OTHER THAN THE COMMAND BAR TO EXIT back to the *Skeds Function?* display.
- 1) Press the **B** Key. The display shows either: *Holiday Bit On* or *Holiday Bit Off*.  
*Holiday Bit On* indicates that the D8112 is currently in the Holiday mode.  
*Holiday Bit Off* indicates that the D8112 is not currently in the Holiday mode.
  - 2) To change the state of the Holiday mode, press the **B** key again. The display changes to show the state.
  - 3) To EXIT and return to the *SKEDS FUNCTION?* prompt, press the **COMMAND** bar.

**C — Change Sked Time:** This function is used to review Skeds which have TimeEdit programmed YES, and to change the time.

- 1) Press the **C** key. The display shows: *SKED NUMBER =* .
- 2) Enter the Sked number (101-116, 201-216, 301-316, 401-416).
- 3) Press the **COMMAND** bar. If the Sked's time can be changed, the display shows: *### TIME XX=XX*. (If the Sked's time *cannot* be changed, the "Watch Tone" sounds and the display shows *SKED NUMBER =*.)
- 4) Enter the new time in 24 hour format (military time) by pressing the appropriate keys on the D1252. The numbers scroll into the display from the right side—be sure to enter four digits into the display. \*
- 5) Press **COMMAND** to enter the change and return to the *SKED NUMBER =* prompt. Enter the next Sked number to be edited, or press the **COMMAND** bar to EXIT back to the *SKED FUNCTION?* prompt.

**\*SPECIAL ENTRY KEYS:**

Use the **A** key to enter two asterisks (\*\*) for wild card times.

Use the **B** key to disable the Sked. The **B** key sets a time of 25:00 (an invalid time) which disables the Sked. The Sked can be re-enabled by entering a valid time.

**D — Set D8112's Day of Week**

- 1) Press the **D** key. The display shows: *SKEDS DOW - XXX #* . (XXX is the three letters representing the day of the week, # is the code number for that day.)
- 2) Press **1 - 7** to enter Sunday through Saturday. When "0", "8", or "9" is entered, the display shows *SUN 1*, since 0, 8, and 9 are not valid entries.
- 3) Press the **COMMAND** bar to enter the change and EXIT back to the *SKED FUNCTION?* prompt.

## COMMAND 53

The *D1252A Security System User's Guide* provides end-user instructions for COMMAND 53.

To use COMMAND 53 to add or delete access cards, the D8112A must be programmed with parameters for the cards in the 8112:CARDS and 8112:ASSIGN product handler programs. *The programmed parameters cannot be changed using COMMAND 53, the cards can only be enabled or disabled (by User number) in the D8112A's memory.* If enabling COMMAND 53 for operation by the end-user, be sure to provide appropriate documentation (e.g: a copy of the *8112:ASSIGN and 8112:CARDS Program Record Sheet*) and an explanation of the parameters programmed.

To use COMMAND 53 to turn authorization levels on or off, the D8112A must be programmed with 8112:ACCESS and 8112:ASSIGN. *The programmed parameters cannot be changed using COMMAND 53, the levels can only be enabled or disabled.* COMMAND 53 enables or disables the level at all doors and for all cards assigned with the level. If the D8112A is programmed with 8112:Skeds, Skeds may be used to enable/disable authorization levels at certain times. Be sure your customer is aware of these Skeds.

### Using COMMAND 53

1. COMMAND 53 can NOT be used while the system is armed.  
DO NOT use this command while a Remote Account Management session is in progress.
2. Press the **COMMAND** bar, the display shows: *SYSTEM COMMAND*.
2. Press the **5** key, the display shows: *SUB COMMAND*.
3. Press the **3** key, the display shows: *ENTER YOUR COMBO*.
4. Enter **COMBO 8**, if it is valid, the display shows: *SETUP FUNCTION*. There are three functions you can choose. Each function is selected by using the designated Function Key on the D1252:
  - Key A:** Add access control card
  - Key B:** No function assigned at this time
  - Key C:** Change the state of an authorization level (on or off)
  - Key D:** Delete access control card

**Command 53 FUNCTIONS**

**A — Add an Access Control Card:** This function is used to enable a card. The D8112A recognizes only those User numbers and associated Serial Numbers which have been entered into the panel's memory using the 8112:CARDS product handler program. You cannot add a User number twice; if the User Number is already enabled, the D1252 sounds the "Watch Tone", displays *ERROR ADDING* and returns to the *SETUP FUNCTION* prompt.

- 1) Press the **A** key. The display shows: *ADD CARD—* .
- 2) Enter the three digit User Number by pressing the associated keys on the D1252. The display shows the number you have entered.
- 3) Press the **COMMAND** bar. The display shows *STROKE CARD — ###* .
- 4) Insert the card into Card Reader A to enable this User Number. (This function only works at reader A.) The display changes to *SETUP FUNCTION* .
- 5) You may now EXIT the COMMAND 53 mode by pressing the **COMMAND** bar, choose another COMMAND 53 function, or add other cards by repeating the "A"function.

**C — Change the State of Authorization Levels:** This function is used to show the current state of each of the seven authorization levels of the Access Control System, and to change the state (enable/disable) if so desired.

- 1) Press the **C** key. The display shows: *LEVELS 1 2 3 4 5 6 7* to indicate that all levels are currently turned on and will operate as programmed for each door. The display will show a dash (—) in place of the level number if the level is currently disabled.  
For example: If level 3 is disabled the display shows: *LEVELS 1 2 — 4 5 6 7* .
- 2) To change the state of one of the levels, or all of the levels, press the key(s) corresponding with the level number(s). If the level was on (indicated by its number in the display) before you pressed the key it will be turned off (indicated by a dash in the display).
- 3) To enter the changes into the D8112A's memory, press the **COMMAND** bar. The display returns to the *SETUP FUNCTION* display.

**D — Disable an Access Control Card:** This function is used to disable a User number. The D8112A recognizes only those User numbers and associated Serial Numbers which have been entered into the panel's memory using the 8112:CARDS product handler program. If you make an invalid entry ("0" or any number above "255") the D1252 displays *ERROR DELETING* and returns to the *SETUP FUNCTION* prompt.

- 1) Press the **D** key. The display shows: *DELETE CARD—* .
- 2) Enter the three digit User Number by pressing the associated keys on the D1252. The display shows the number you have entered.
- 3) Press the **COMMAND** bar. The display shows *SETUP FUNCTION* to indicate that the card has been deleted.
- 4) You may now EXIT the COMMAND 53 mode by pressing the **COMMAND** bar, choose another COMMAND 53 function, or delete other cards by repeating the "D" function.

**COMMAND 54**

The *D1252 Security System User's Guide* provides end-user instructions for COMMAND 54. If 8112:AUX program item 7.9 UseCombo is YES the display shows: *ENTER YOUR COMBO* after Command 54 has been entered. To display the status of the relays, you must enter a valid user passcode: Combo1 through Combo8, as programmed in 8112:MAIN, or one of the combinations from 8112:Comex Combo-Groups 1 – 8 (combinations beginning with "9" do not work). DO NOT use this command while a Remote Account Management session is in progress.



## COMMAND 58

**Command 5 8 Description:** When Command 58 is initiated one person can typically test a fire system without assistance. The following features are provided with Command 58:

- Central station report is transmitted when the Fire Test Mode is initiated and when it is terminated.
- Local alarm annunciation without report transmission. (If programmed for independent zone control opening/closing reports, the D8112 sends these reports as required while in Command 58 mode.)
- Automatic smoke detector reset (Command 47, is not required after each device is tested).
- Alpha II Command Center displays a sequential count after each device is activated and restored.
- Printed record of each alarm test response is available if a local printer is installed (see 8112:AUX, Logger Subhandler section 15).

### Using Command 5 8:

1. Make sure the system is disarmed and that a Remote Account Management session is not in progress. (NOTE: 24-hour zones cannot be disarmed.) Press the **COMMAND** bar, the display shows: *SYSTEM COMMAND*.
2. Press the **5** key, the display shows: *SUB COMMAND*.
3. Press the **8** key, the display shows: *ENTER YOUR COMBO*.
4. Enter a valid user passcode (Combo1 through Combo8, or a combination from 8112:Comex ComboGroups 1 – 8). If it is valid, the display shows: *.FIRE TEST.000*. (The "000" in the display indicates that no devices have been tripped.) The "Watch Tone" begins pulsing at the D1252 to indicate the test is in progress. A "Trouble Zone F" report is transmitted to the central station. If a local printer is installed, a "Trouble Zone F" is recorded. No other alarm or trouble reports will be transmitted until the Fire Test Mode is terminated. (See step 7.) ONLY independent zone control zone opening/closing reports are transmitted.

**CAUTION:** All central station alarm and trouble signals are suppressed while in the COMMAND 58 Test Mode. Therefore, it is strongly recommended that this feature NOT be enabled in systems requiring Duress, Holdup, or 24-hour zone functions that would be affected by the signal suppression of this test mode.

5. Test an initiating device. When the D8112 senses the faulted zone, an alarm is sounded for two seconds at the D1252 and at the indicating devices connected to the D192 module. When the audible stops, the D1252 displays *RESET SENSORS* to indicate a ten second (approximate) interruption of power which resets smoke detectors. (This automatic action is used for the same purpose as COMMAND 47. COMMAND 47 must be enabled in the 8112:MAIN program). After the sensor reset, the D1252 display shows *.FIRE TEST.001* to indicate the alarm response from the first device. (After the next device is tested and the alarm response is received by the D8112, the D1252 display will show *.FIRE TEST.002*, after the third test response *.FIRE TEST.003*, etc.) All master zone alarms and restorals are recorded on the local printer if one is installed.

**IMPORTANT:** Test only one zone at a time. Wait for the alarm annunciation to stop before going on to the next device. If you do not wait, the device test count at the Alpha II display will be incorrect.

6. Continue by testing each device installed in the system. The events described in step 5 are repeated for each successful test.
7. After testing is completed, press the **COMMAND** key, then the **5** key, then the **8** key to terminate the Fire Test Mode. (NOTE: If a security passcode is used to unlock the COMMAND key, the passcode does NOT need to be re-entered to terminate Command 58 – simply press COMMAND 5 8.) A "Restoral Zone F" report is transmitted to the central station, and the report is recorded on the local printer if one is installed.

**NOTE:** Command 58 mode automatically terminates after 15 minutes if there is no activity.

## COMMAND 59

**NOTICE:** COMMAND 59 is designed for the **alarm technician's** use in determining the System and Alternate Software revision levels, and the cause of a "SERVICE CPU FAIL" message. COMMAND 59 is NOT DOCUMENTED in the Alpha II *Security System User's Guide* for End User operation.

**COMMAND 59, Description:** COMMAND 59 can be used to determine the System and Alternate Software revision levels, the options that are currently running in the control/communicator, and the cause of a SERVICE CPU FAIL message.

### Using COMMAND 59 to determine Software Revision Level and Options:

- 1) Press the COMMAND key. The display shows *SYSTEM COMMAND*.
- 2) Press the 5 key, then press the 9 key. The display shows *SUB COMMAND*. The display then shows the System Software revision number: *+++8112 SYSTEM##*, followed by the Alternate (ALTROM) Software revision number: *+++8112 ALTROM##* (## indicates the revision number).

After the status and software revisions are displayed, the options currently running in the panel are displayed in the following sequence if they are programmed:

<i>OPTION = ZONEX</i>	Zone Expansion (See 8112:AUX Subhandler section 11)
<i>OPTION = SKEDS</i>	Skeds (See 8112:AUX section 18 and 8112:Skeds Program Entry Guide)
<i>OPTION = MEM LOG</i>	Memory Logger (See 8112:AUX Subhandler section 15)
<i>OPTION = PRINTER</i>	Local Printer (See 8112:AUX Subhandler section 15)
<i>OPTION = RADIO</i>	Radio Frequency Transmission (See 8112:AUX Subhandler section 14)

### Using COMMAND 59 to determine cause of CPU FAIL:

- 1) Reset the D8112.
- 2) When the message *SERVICE CPU FAIL* appears in the display, press the **COMMAND** key, and then the **5** key and the **9** key.
- 3) One of the following is displayed:
  - CHECK: CARDS #\**
  - CHECK: ASSIGN #\**
  - CHECK: ACCESS*
  - CHECK: MAIN/AUX*

\*NOTE: # indicates the group number of the failure.
- 4) Load the handler specified in the display into the D8112.
- 5) Repeat steps 1 through 4 until *SERVICE CPU FAIL* does not appear in the display in step 2. NOTE: The 8112:MAIN handler does not have to be loaded unless *CHECK: MAIN/AUX* is displayed in step 4.

## 17. DiyAll (Delay All) Subhandler Program

The DiyAll (Delay All) Subhandler consists of one program item. This program item is used to change the way that the D8112 Control/Communicator responds to controlled zone activity during the entry and exit delay periods.

**Entry delay** is initiated when a zone programmed for delay is faulted while the control/communicator is armed.

**Exit delay** is initiated when an arming command or combination is entered to arm the control/communicator.

The DiyAll Subhandler program is *not visible in the D5100 Programmer's display* when the 8112:AUX program is originally loaded into the programmer. Use the steps below to make the DiyAll Subhandler visible.

1. ADVANCE the programmer's display to the 8112:AUX *New File* display. Scan the ENTER bar code
2. Scan the following bar codes:

8 DiyAll



VISIBLE



3. The DiyAll Subhandler is now visible in your D5100 programmer display. For future access to the DiyAll Subhandler, you need only to enter the 8112:AUX Product Handler program then advance through the subhandler title displays until **8 DiyAll Yes** appears in the programmer's display.

### DiyAll Compatibility Requirements

The DiyAll Subhandler can be used with D8112E1, D8112G1, D8112G2, and D8112A Control/Communicators.

Prompt and Default	Selection	Description
8 DiyAll Yes	YES or NO	<p>When programmed "YES" the D8112 Delays alarm initiation from <b>All</b> of the control/communicator's controlled zones during the entry and the exit delay periods. <i>Zones programmed with instant alarm zone codes will not initiate an alarm during exit delay, and/or during entry delay if a delay zone is faulted first.</i></p> <p>When programmed "NO" the D8112 only delays alarms from zones specifically programmed for entry and exit delay. <i>Zones programmed with instant alarm zone codes will instantly initiate an alarm during the entry and the exit delay periods.</i></p>

## 18. SkedsEn Subhandler Program

This subhandler program is actually a program item which enables/disables the 8112:Skeds product handler program for the D8112G2 and D8112A Control/Communicators. See the *8112:Skeds Program Entry Guide* for complete details.

The SkedsEn subhandler program requires the following Radionics components to function properly.

Hardware: D8112G2 or D8112A Control/Communicator.

Software: 8112:MAIN and 8112:Skeds Product Handler Programs

Prompt and Default	Selection	Description
9 SkedsEn No	YES or NO	<p>8112:Skeds product handler program Enabled?</p> <p>When programmed "YES" the D8112 Control/Communicator must be loaded with the 8112:Skeds product handler program.</p> <p>When programmed "NO," the D8112 Control/Communicator will ignore the 8112:Skeds product handler program.</p>

## 19. MultiLink Subhandler Program

This Subhandler Program is only available in "Index System" versions of 8112:AUX (version 12.00 or higher).

This section of the program entry guide describes the program items of the MultiLink subhandler program. Each separate program item is listed with the program item number and prompt as it appears in the programmer's display; followed by the entry selections available to that item. A description of each program item is included.

The MultiLink subhandler contains the operating parameters to allow the "Central D8112G2" in a MultiLink System to transmit additional information to the D6500. The additional information allows the D6500 to print a "MultiLink Code" which identifies messages from all points on the Master zone as MultiLink messages.

### MultiLink Subhandler Compatibility Requirements

The MultiLink subhandler program requires the following components:

Hardware: D8112G2 Control/Communicator  
 C471R Receiver Module (or other commercial grade radio receiver)  
 MultiLink Decoder Module  
 D1252 Alpha II Command Center  
 D6500 Security Receiver (software revision: MPU 06.00/Line 06.00 or higher)

Other Product Handlers Required: 8112:MAIN, 8112:AUX (Zonex Subhandler)

Optional Product Handlers: 8112:PText, 8112:Comex, 8112:Skeds

See the *MultiLink C8175 Decoder Module Operation and Installation Manual* (74-04914-000) for important information regarding programming and installation requirements of the MultiLink system.

## MultiLink Program Entry Guide

Prompt and Default	Selections	Description
10 MultiLink	ENTER or ADVANCE	This program item is the access point for the <b>MultiLink</b> subhandler program.  Scan ENTER to access MultiLink. Scan ADVANCE to overpass MultiLink.
<b>IMPORTANT!</b>		
MULTILINK SHOULD ONLY BE ENABLED ON "CENTRAL D8112G2" CONTROL/COMMUNICATORS USED IN THE MULTILINK SYSTEM.		
MLinkZn1 No	YES or NO	<b>MultiLink</b> signaling from Master <b>Zone 1</b> and all points assigned to it?  "Yes" enables MultiLink signal from this zone. "No" disables MultiLink signal from this zone.
MLinkZn2 No	YES or NO	<b>MultiLink</b> signaling from Master <b>Zone 2</b> and all points assigned to it?  "Yes" enables MultiLink signal from this zone. "No" disables MultiLink signal from this zone.

MLinkZn3 No	YES or NO	<p><b>MultiLink signaling from Master Zone 3 and all points assigned to it?</b></p> <p>"Yes" enables MultiLink signal from this zone. "No" disables MultiLink signal from this zone.</p>
MLinkZn4 No	YES or NO	<p><b>MultiLink signaling from Master Zone 4 and all points assigned to it?</b></p> <p>"Yes" enables MultiLink signal from this zone. "No" disables MultiLink signal from this zone.</p>
MLinkZn5 No	YES or NO	<p><b>MultiLink signaling from Master Zone 5 and all points assigned to it?</b></p> <p>"Yes" enables MultiLink signal from this zone. "No" disables MultiLink signal from this zone.</p>
MLinkZn6 No	YES or NO	<p><b>MultiLink signaling from Master Zone 6 and all points assigned to it?</b></p> <p>"Yes" enables MultiLink signal from this zone. "No" disables MultiLink signal from this zone.</p>
MLinkZn7 No	YES or NO	<p><b>MultiLink signaling from Master Zone 7 and all points assigned to it?</b></p> <p>"Yes" enables MultiLink signal from this zone. "No" disables MultiLink signal from this zone.</p>
MLinkZn8 No	YES or NO	<p><b>MultiLink signaling from Master Zone 8 and all points assigned to it?</b></p> <p>"Yes" enables MultiLink signal from this zone. "No" disables MultiLink signal from this zone.</p>

# R A D I O N I C S

## 8112:AUX Program/Account Record Sheet

<b>2 Zonex</b>	2.1	Zonex	Y or N	2.6	Z2 Points [ ][ ]	2.10	Z6 Points [ ][ ]
	2.2	Hzntl	Y or N	2.7	Z3 Points [ ][ ]	2.11	Z7 Points [ ][ ]
	2.3	Ptext	Y or N	2.8	Z4 Points [ ][ ]	2.12	Z8 Points [ ][ ]
	2.5	Z1 Points [ ][ ]		2.9	Z5 Points [ ][ ]		

<b>3 ABCD Keys</b>	3.1	A Key [ ][ ][ ][ ][ ][ ][ ][ ]	3.3	C Key [ ][ ][ ][ ][ ][ ][ ][ ]
	3.2	B Key [ ][ ][ ][ ][ ][ ][ ][ ]	3.4	D Key [ ][ ][ ][ ][ ][ ][ ][ ]

<b>5 AltTx [ ]</b>	5.1	RFAIm	Y or N	5.5	RFOOnly	Y or N	5.9	RFGrp [ ][ ][ ][ ]
	5.2	RFRst	Y or N	5.6	RFCS	[ ]	5.10	RFRnds [ ][ ][ ][ ]
	5.3	RFO/C	Y or N	5.7	RFAcct [ ][ ][ ][ ]		5.11	RFBrst [ ][ ][ ][ ]
	5.4	RFTrb	Y or N	5.8	RFZMax [ ][ ]		5.12	RFDly [ ][ ][ ][ ]

<b>6 Logger</b>	6.1	MLogEn	Y or N	6.4	SendRes	Y or N	6.7	LPrtEn	Y or N
	6.2	SendAlm	Y or N	6.5	SendO/C	Y or N	6.8	LPrt80	Y or N
	6.3	SendTbl	Y or N	6.6	LogCmd5	Y or N	6.9	LPrtDly	Y or N
							◆ 6.10	LPrt6	Y or N

<b>7 Cmd5's</b>	7.1	Cmd51	Y or N	7.4	Cmd54	Y or N	7.7	Cmd58	Y or N
	7.2	Cmd52	Y or N	7.5	Cmd56	Y or N	7.8	Cmd59	Y or N
	7.3	Cmd53	Y or N	7.6	Cmd57	Y or N	7.9	UseComb	Y or N

<b>9 SkedsEn</b>	9.1	SkedsEn	Y or N
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<b>10 MultiLink</b>	MLinkZn1	Y or N	MLinkZn4	Y or N	MLinkZn7	Y or N
	MLinkZn2	Y or N	MLinkZn5	Y or N	MLinkZn8	Y or N
	MLinkZn3	Y or N	MLinkZn6	Y or N		

D8112 MODEL →	E	E1	G	G1	G2	A
<b>2 Zonex</b>			Y	*	Y	
<b>3 ABCDKeys</b>		Y		Y	Y	Y
<b>5 AltTx</b>				*		
<b>6 Logger</b>					Y	Y
<b>7 CMD5's</b>				See Sec.16 +		
<b>9 SkedsEn</b>					Y	Y
<b>10 MultiLink ◆</b>					Y	

◆ **IMPORTANT:** Subhandler 10 MultiLink (and program item 6.10 LPrt6) is only available in the "INDEX" version of 8112:AUX (revision 12.00 or higher). Program items in the MultiLink subhandler should be programmed *NO except* in "Central" D8112G2 Control/Communicators used in the MultiLink long range radio frequency system.

\* Either Zonex or AltTx can be enabled. The "G1" cannot operate these programs simultaneously.

+ See section 16 of the 8112:AUX Program Entry Guide for individual Command 5 compatibility with the various models of D8112.

