D6600

BOSCH | Security Systems

Program Entry Guide

EN | Receiver/Gateway

BOSCH

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Receiver Keypad Operations Legend

Press a button on the keypad.

Enter key

Menu key

Cancel key

Up arrow key

Down arrow key

Mouse Operations Legend

These symbols signify mouse operations:

Double-click the left mouse button.

Click the left mouse button once.

Click the left mouse button once and hold.

Click the right mouse button once.

Contents

Figures

Tables

Introduction

Documentation Conventions

Tips, Notes, Cautions, and Warnings

✓	Important Notes - Information for successful operation and programming. Also tips and shortcuts can be included here.
⚠	Caution - These caution the operator that physical damage to the program or equipment might occur.
⚡	Warning - These warn of the possibility of physical damage to the operator.

Other Documentation Referenced

Table 1:   Other Referenced Documentation

Name of document	Part Number
D6600 Operation and Installation Guide	4998122704
D6600 Computer Interface Manual	4998122703
D6600 NetCom System Guide	4998122712
D6200 Operation and Installation Guide	4998154991

1.0   Event Database

The Event Database stores all trouble conditions and alarm messages that occur in the D6600. The maximum number of events stored in the database is 20000 for the D6600.

After the database reaches capacity, the next event forces the oldest event out of the database. This is typically known as First In, First Out (FIFO).

To enter the Event Database:

```
04/06/2004 14:25:00
```

☞ **D6600** [M/E]

```
Enter Password: _
```

Enter password.

```
Enter Password: ****
```

☞ **D6600** [M/E]

```
1 EVENT DATABASE
Welcome Manager...
```

1.1   Display Sort by Time/Date

```
1 EVENT DATABASE
Welcome Manager...
```

1. ☞ **D6600** [M/E]

```
1.1 Display Sort by Time/Date
```

☞ **D6600** [M/E]

```
1.1 Display Sort by Time/Date
Input Event Buffer No# [1..200001:
```

Enter the event number (from 1 to 20000).

☞ **D6600** [M/E]

```
Msg#0001 - (TOTAL 1 LINE)
01/01 00:01 L00 SYSTEM RESET
```

☞ **D6600** [M/E]   See the expanded message if the stored event has multiple lines of text.

☞ **D6600** [▲]

Select another message.

☞ **D6600** [▼]

The last message in the database appears.

```
Total 0008 alarms
***** NO MORE MESSAGE *****
```

☞ **D6600** [CAN]   repeatedly.

```
04/06/2004 14:25:00
```

1.2   Display Current System Troubles

```
1 EVENT DATABASE
Welcome Manager...
```

1. ☞ **D6600** [▼]

```
1.2 Display Current System Troubles
```

☞ **D6600** [M/E]

```
Current System Trouble[05]
L02 PHONE LINE FAULT
```

The number in brackets shows the total current system troubles. The bottom line is the most recent system trouble.

☞ **D6600** [▼]

```
End of the trouble conditions...
No more troubles...
```

☞ **D6600** [▲]   Scroll back through the trouble conditions repeatedly.

☞ **D6600** [CAN]

```
04/06/2004 14:25:00
```

2.0   CPU Configuration

2.1   Change Password

A password can be up to eight hexadecimal (0 to 9 and A to F) characters.

For security purposes, change all ten default passwords.

2.1.1   Manager Password

Default:	6600

The manager has full access to all programming options.

The D6600 LCD shows:

```
04/06/2004 14:25:00
```

To change the password:

```
1 EVENT DATABASE
Welcome Manager...
```

1.   **D6600** [▼]

```
2 CPU CONFIGURATION
```

2.   **D6600** [M/E]

```
2.1 Change Passwords
```

3.   **D6600** [M/E]

```
2.1.1 Manager Password
```

4.   **D6600** [M/E]

```
2.1.1 Manager Password
New Password: _
```

5.   Enter the new password.

```
2.1.1 Manager Password
New Password: ****
```

6.   **D6600** [M/E]

```
2.1.1 Manager Password
Password Changed.
```

7.   **D6600** [CAN]

```
04/06/2004 14:25:00
```

2.1.2   Supervisor Password 1

Default:	6601

The supervisor has access to all programming options.

Refer to *Menu Item 2.1.1 Manager Password* for programming information.

2.1.3   Supervisor Password 2

Default:	6602

Refer to *Menu Item 2.1.1 Manager Password* for programming information.

2.1.4   Supervisor Password 3

Default:	6603

Refer to *Menu Item 2.1.1 Manager Password* for programming information.

2.1.5   Operator Password 1

Default:	1234

The operator has restricted access. The operator can only view stored alarms and confirm current firmware versions here.

Refer to *Menu Item 2.1.1 Manager Password* for programming information.

2.1.6   Operator Password 2

Default:	1234

Refer to *Menu Item 2.1.1 Manager Password* for programming information.

2.1.7   Operator Password 3

Default:	1234

Refer to *Menu Item 2.1.1 Manager Password* for programming information.

2.1.8   Operator Password 4

Default:	1234

Refer to *Menu Item 2.1.1 Manager Password* for programming information.

2.1.9   Operator Password 5

Default:	1234

Refer to *Menu Item 2.1.1 Manager Password* for programming information.

2.1.10   Operator Password 6

Default:	1234

Refer to *Menu Item 2.1.1 Manager Password* for programming information.

2.2 Global

2.2.1 Time Setup

> ☑ The Time and Date display format is determined by the programming for Menu Item 2.2.3 Set Country.

```
1 EVENT DATABASE
Welcome Manager...
```

1. ✍ **D6600** [▼]

```
2 CPU CONFIGURATION
```

2. ✍ **D6600** [M/E]

```
2.2 Global
```

3. ✍ **D6600** [M/E]

```
2.2.1 Time Setup
Current Setting [14:08:26]
```

4. ✍ **D6600** [M/E]

```
Set Time (14:11:42)
(HH:MM:SS) _ : :
```

Enter current time.

5. ✍ **D6600** [M/E]

```
2.2.1 Time Setup
New Time Set...
```
```
2.2.1 Time Setup
Current Setting [14:08:26]
```

6. ✍ **D6600** [CAN]

```
04/06/2004 14:25:00
```

2.2.2 Date Setup

> ☑ The Time and Date display format is set in Menu Item 2.2.3 Set Country.

```
1 EVENT DATABASE
Welcome Manager...
```

1. ✍ **D6600** [▼]

```
2 CPU CONFIGURATION
```

2. ✍ **D6600** [M/E]

```
2.2 Global
```

3. ✍ **D6600** [M/E]

```
2.2.2 Date Setup
Current Setting [06/25/02]
```

4. ✍ **D6600** [M/E]

```
Set Date (06/25/02)
(MM-DD-YY) _ - -
```

5. Enter the current date.

✍ **D6600** [M/E]

```
2.2.2 Date Setup
New Date Set...
```
```
2.2.2 Date Setup
Current Setting [06/25/02]
```

6. ✍ **D6600** [CAN]

```
04/06/2004 14:25:00
```

2.2.3 Set Country

Default:	1
Selections:	1 or 2
1	USA (MM/DD/YY)
2	Europe (DD/MM/YY)

Set the country code for the time and date display.

2.2.4   Enable Input Commands

Default:	0
Selections:	0 or 1

0	Ignore all input commands.
1	Process all input commands.

When set to 1, the D6600 processes any input commands sent from the computer connected to COM3. The central station automation software running on this computer must support input commands.

> Input commands only work over a direct RS-232 connection.

2.2.5   Line Card 1 Line 1, 2

Default:	1
Selections:	0 or 1

0	Disable
1	Enable

2.2.6   Line Card 1, Line 3. 4

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* for details.

2.2.7   Line Card 2, Line 5, 6

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* for details.

2.2.8   Line Card 2, Line 7, 8

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* for details.

2.2.9   Line Card 3, Line 9, 10

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* for details.

2.2.10   Line Card 3, Line 11, 12

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* for details.

2.2.11   Line Card 4, Line 13, 14

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* for details.

2.2.12   Line Card 4, Line 15, 16

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* for details.

2.2.13   Line Card 5, Line 17, 18

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* for details.

2.2.14   Line Card 5, Line 19, 20

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* for details.

2.2.15   Line Card 6, Line 21, 22

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* for details.

2.2.16   Line Card 6, Line 23, 24

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* for details.

2.2.17   Line Card 7, Line 25, 26

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* for details.

2.2.18   Line Card 7, Line 27, 28

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* on page 10 for details.

2.2.19   Line Card 8, Line 29, 30

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* on page 10 for details.

2.2.20   Line Card 8, Line 31, 32

Default:	0
Selections:	0 or 1

Refer to *Menu Item 2.2.5 Line Card 1 Line 1, 2* on page 10 for details.

2.2.21   Buzzer

Default:	3
Selections:	0 to 4

0	Buzzer off
1	Buzzer on for any events
2	Buzzer on for system trouble conditions
3	Buzzer on for new events when the automation link fails or any system trouble conditions occur
4	Buzzer on for new events when printer link fails or any system trouble conditions occur

2.2.22   Armed Status

Default:	0
Selections:	0 or 1

0	Armed Status of D4112/6112 does not print at test time.
1	Armed Status of D4112/6112 prints at test time.

2.2.23   Busy Seconds Reports

Default:	1
Selections:	0 or 1

0	No Busy Seconds Reports.
1	Busy Seconds Reports for UL applications.*

*	Set this item to 1 to meet the requirements for UL certification. Refer to Busy Seconds Reports in the *D6600 Operation and Installation Guide* (P/N: 4998122704).

2.2.24   Report Grouping

Default:	0
Selections:	0 or 1

0	Prints messages as the D6600 processes them.
1	Stores messages, then prints when the D6600 completes the call.

Report Grouping stores the incoming messages (up to 40, depending on the format and the Maximum On Line Time option) until the call completes. Then the D6600 sends the group of messages from the same call to the reporting devices. Report Grouping prints messages in the order the D6600 processes them.

2.2.25   Point/User Text

Default:	1
Selections:	0 to 2

0	No Point and User ID Text
1	Send Point and User text only to the printer
2	Send Point and User text to both the printer and automation software.*

*	This option works in SIA Mode Automation only.

Print Point Text and User Text on the external printer and automation software.

2.2.26   CPU Programmable Output 1

Default:	0
Selections:	0 or 1

0	Disable the output
1	Turns output on when the COM3 automation link fails.

Outputs 1 and 2 can now signal when the COM3 automation link fails.

Press the [ACKNOWLEDGE] button to clear the output.

Refer to *Input and Output Ports* in the *D6600 Operation and Installation Guide* (P/N: 4998122704).

2.2.27 CPU Programmable Output 2

Default:	0
Selections:	0 or 1

0	Disable the output
1	Turns output on when COM3 automation link fails.

Outputs 1 and 2 can now signal when the COM3 automation link fails.

Press the [ACKNOWLEDGE] button to clear the output.

Refer to *Input and Output Ports* in the *D6600 Operation and Installation Guide* (P/N: 4998122704).

2.2.28 CPU Programmable Input 1

Default:	0
Selections:	0 to 2

0	The UPS AC Lost or the Low Battery signal is not monitored.
1	Monitoring the UPS AC Lost.
2	Monitoring the UPS Low Battery.

If the D6600 is connected to an uninterruptible power supply (UPS), monitor the AC Lost signal and the Low Battery signal supplied by the UPS.

Refer to *Input and Output Ports* in the *D6600 Operation and Installation Guide* (P/N: 4998122704).

2.2.29 CPU Programmable Input 2

Default:	0
Selections:	0 to 2

0	The UPS AC Lost or the Low Battery signal is not monitored.
1	Monitoring the UPS AC Lost.
2	Monitoring the UPS Low Battery.

If the D6600 is connected to an uninterruptible power supply (UPS), monitor the AC Lost signal and the Low Battery signal supplied by the UPS.

Refer to *Input and Output Ports* in the *D6600 Operation and Installation Guide* (P/N: 4998122704).

2.2.30 Receiver Number

Default:	01
Selections:	01 or 99

Enter the Receiver/Gateway Number.

2.2.31 Line Card Refresh

Default:	6[*]
Selections:	0 to 20

0	Does not refresh regardless of the number of No Data Received Reports.
1 to 6	After six consecutive No Data Received Reports or Data Errors Reports the line card refreshes.
7 to 20	The actual number of consecutive No Data Received Reports or Data Errors Reports before the line card refreshes.

[*] Needs at least six consecutive No Data Received Reports or Data Errors Reports to perform a refresh.

Table 2: No Data Received and Data Error Codes		
	D6500 Mode	**SIA Mode**
No Data Received	X 63	[NUT04]
Data Error	X 62	[NYN]

Press the [ACKNOWLEDGE] button to clear the output.

2.2.32 Reserved

2.2.33 External Parallel Printer

The D6600 Receiver/Gateway needs an external parallel printer. Refer to the operation and installation guide for compatible printers. Enable, disable, or use the parallel printer as a backup in case the computer automation system fails.

Default:	3
Selections:	1 to 4

1[1]	Primary: All reports go to this device.
2[2]	Secondary: Reports go to this device only after all primary devices fail.
3[2]	Always On: All reports go to this device whether or not it is functional.
4	Always Off: Device is disabled. No reports are sent to this device.

1   Set this item to 1 to meet the requirements for UL Burg/Automatic certification if you are not using a computer automation system and have the parallel printer installed.

2   Set this item to 3 to meet the requirements for UL Fire/Burg/Automatic certification if you are using a computer automation system and have the parallel printer installed.

2.2.34   Battery Supervision

Default:	1
Selections:	0 or 1

0	Battery is not supervised.
1	Battery is supervised.

When Battery Supervision is **1**, and the battery is disconnected or low, a BATTERY MISSING or BATTERY BAD message appears on the display, and the green power LED flashes. The trouble message also prints or is sent to the computer automation system when those options are enabled. When used in a UL Listed central station, set the Battery Supervision to 1 if no UPS is present.

2.2.35   No Data Received Reports

Default:	0
Selections:	0 or 1

0	No Data Received and Data Error reports are not sent to the automation PC.
1	No Data Received and Data Error reports are sent to the automation PC.

2.2.36   SIA Event Account Number

Default:	0
Selections:	0 or 1

0	Does not remove leading zeros in SIA event account number.
1	Removes leading zeros in SIA event account number. Ex: 001234 becomes 1234 Ex: AA1234 becomes 1234

2.2.37   Line Group Report

Default:	1
Selections:	0 or 1

0	Use an actual line number.
1	Use line group number.

✓	When DNIS and ANI are enabled (Selection 1 in *Menu Item 3.1.5.4 ANI* on page 31), this option automatically changes to zero.

2.2.38   Modem3 Account Number

The number of the account code in a Modem3 event can be 4 to 10 digits.

Default:	0
Selections:	0 or 1

0	Do not strip leading zeros in Modem3 account number.
1	Strip leading zeros in Modem3 account number, but keep at least four digits account number. Example: 000123 is 0123 0000012345 is 12345

2.3   Line Group

This section contains program items that determine how lines are supervised and how incoming messages are identified by the D6600 .

Group Lines when using rotary lines or hunt groups: When receiver/gateway phone lines are included in a rotary hunt group (*Figure 1*), use the entries in the Line Groups to assign each line to a group.

Figure 1: Rotary Hunt Line Group
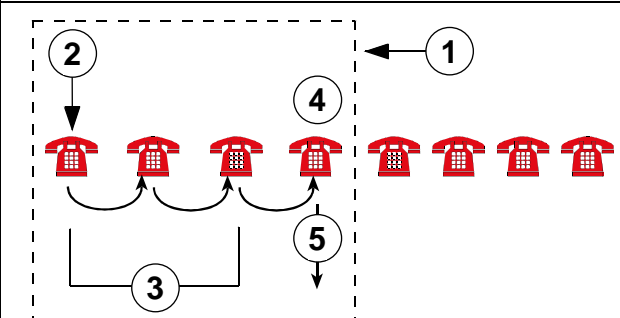
1 -   *Rotary group of four telephone lines.*
2 -   *Call is placed to Line 1*
3 -   *Lines 1 to 3 are busy. Call is passed to available line.*
4 -   *Line 4 is available*
5 -   *Call answered on Line 4*

Phone Calls to a Line Group

Figure 1 shows the control panel calls the phone number assigned to Line 1. If Line 1 is busy the call transfers to the next available line in the rotary hunt group. In this case the next available line is Line 4, so the call automatically transfers to Line 4. Using this arrangement, the possibility of the cotnrol panel getting a busy signal is greatly reduced.

In 6500 Mode, groups programmed with a value of 34 or greater send a Y to the automation PC. Refer to the *Computer Communication Protocols* in the *D6600 Computer Interface Manual* (P/N: 4998122703) for more information.

Information out of a Line Group

Depending on the program setting in Menu Item 2.2.37, the reports generated by incoming calls on lines assigned to a Line Group can be identified by the group number (such as G01), not the line number (such as L04, L05, or L06). This causes the D6600 computer automation output to recognize all of the lines in the group as a single line.

2.3.1   Line Card 1/Line 1 (L01)

Default:	00
Selections:	00 to 99
00	Identifies reports by line number (L01, L04, and so on).
01 to 99	Identifies reports by group number (unless 2.2.37 is a 0).

Enter a group number (01 to 99) to make this line part of a line group. Reports on this line can be identified by group number.

2.3.2   Line Card 1/Line 2 (L02)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* for programming information.

2.3.3   Line Card 1/Line 3 (L03)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* for programming information.

2.3.4   Line Card 1/Line 4 (L04)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* for programming information.

2.3.5   Line Card 2/Line 1 (L05)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* for programming information.

2.3.6   Line Card 2/Line 2 (L06)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* for programming information.

2.3.7   Line Card 2/Line 3 (L07)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* for programming information.

2.3.8   Line Card 2/Line 4 (L08)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* for programming information.

2.3.9   Line Card 3/Line 1 (L09)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* for programming information.

2.3.10   Line Card 3/Line 2 (L10)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* for programming information.

2.3.11   Line Card 3/Line 3 (L11)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* for programming information.

2.3.12   Line Card 3/Line 4 (L12)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.13   Line Card 4/Line 1 (L13)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.14   Line Card 4/Line 2 (L14)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.15   Line Card 4/Line 3 (L15)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.16   Line Card 4/Line 4 (L16)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.17   Line Card 5/Line 1 (L17)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.18   Line Card 5/Line 2 (L18)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.19   Line Card 5/Line 3 (L19)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.20   Line Card 5/Line 4 (L20)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.21   Line Card 6/Line 1 (L21)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.22   Line Card 6/Line 2 (L22)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.23   Line Card 6/Line 3 (L23)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.24   Line Card 6/Line 4 (L24)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.25   Line Card 7/Line 1 (L25)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.26   Line Card 7/Line 2 (L26)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.27   Line Card 7/Line 3 (L27)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.28   Line Card 7/Line 4 (L28)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.29   Line Card 8/Line 1 (L29)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.30   Line Card 8/Line 2 (L30)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.31   Line Card 8/Line 3 (L31)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.3.32   Line Card 8/Line 4 (L32)

Default:	00
Selections:	00 to 99

Refer to *Menu Item 2.3.1 Line Card 1/Line 1 (L01)* on page 14 for programming information.

2.4   Reserved

2.5   COM3 Automation Configuration

The program items in the following section are used to configure the input and output format for the D6600 when a computer automation system is connected to the COM3 of the D6600. Refer to the *D6600 Computer Interface Manual* (P/N: 4998122703).

> Menu Item *6.3.7 Device* on page 41 must be set to 2 to use the COM3 port for RS-232 automation (default) before programming the settings in the COM3 Automation Configuration section.

2.5.1   Retry Number

Default:	3
Selections:	0 to *5*

Select the number of retransmission attempts in case of communication trouble.

2.5.2   Baud Rate

Default:	4
Selections:	1 to 9
1	110
2	300
3	600
4	1200
5	2400
6	4800
7	9600
8	19200
9	38400

Select the data transmission baud rate for the COM3 port.

2.5.3   Data Bit

Default:	8
Selections:	7 or 8

Select the data transmission bit value for the COM3 port.

> When selecting Data Bit 7, *Menu Item 2.5.8 Header* and *Menu Item 2.5.9 Trailer* selections are limited to 00 to 7F (7F is the maximum limit of Data Bit 7).

2.5.4   Parity

Default:	0
Selections:	0 to 2
0	None
1	Even
2	Odd

Set the parity for the COM3 port.

2.5.5   Stop Bit

Default:	1
Selections:	1 or 2

Select the stop bit value for the COM3 port.

2.5.6   Link Test

Default:	30
Selections:	00 to 99

00	Do not send the Link Test to the automation system PC.
01 to 99	Send the Link Test to the automation system PC.

The selection determines the number of seconds the automation system PC waits between sending and accepting a Link Test. The Link Test confirms if there is communication between the automation system PC and receiver.

2.5.7   Automation Wait

Default:	04
Selections:	01 to 60

Enter the amount of time in seconds the D6600 waits for the ACK message from the automation system PC.

2.5.8   Header

Default:	00
Selections:	00 to FF

00	No header character output.

Set the header character for the D6500 Mode automation format (hexadecimal).

2.5.9   Trailer

Default:	14
Selections:	01 or FF

Set the trailer character for the D6500 Mode automation format (hexadecimal).

2.5.10   BFSK Fire Bit

Default:	0
Selections:	0 or 1

0	Fire messages are sent to the automation PC as standard alarms, troubles, and restorals.
1	Fire messages are sent to the automation PC with the digit character codes as shown in *Table 3* (refer to the *D6600 Computer Interface Manual* [P/N: 4998122703] for the digit character codes). If set to 1, you must restructure your automation account database to accept the new event codes. If this is not done, fire messages might appear as unlinked messages.

2.5.11   Modem IIe Fire

Default:	1
Selections:	0 or 1

0	Fire messages are sent to the automation PC as standard alarms, troubles, and restorals.
1	Fire messages are sent to the automation PC with the digit character codes as shown in *Table 3* (refer to the *D6600 Computer Interface Manual* [P/N: 4998122703] for the digit character codes).

BFSK and Modem IIe /Modem IIIa^2 Fire Bit Examples

Some control panels offer enhanced fire messages in BFSK, and Modem IIe and Modem IIIa^2 formats. This entry determines how the D6600 presents BFSK, or Modem IIe and Modem IIIa^2 fire messages to the automation PC (*Table 3*). This entry has no affect on how the messages print.

Table 3:   BFSK and Modem IIe/IIIa^2 Fire Bit Examples

	BFSK Fire Bit = 1	BFSK Fire Bit = 0	Modem IIe/IIIa^2 Fire = 1	Modem IIe/IIIa^2 Fire = 0
D6500 Mode				
FIRE ALARM	h1rr1sssssssaaaasFssszt	h1rr1sssssssaaaasAssszt	hlrrlsssssssaaaasFspppt	hlrrlsssssssaaaasAspppt
FIRE ALARM (Cross Point)			hlrrlsssssssaaaasFspppt	hlrrlsssssssaaaasAspppt
FIRE SUPRVISION			hlrrlsssssssaaaaGsspppt	hlrrlsssssssaaaasTspppt
FIRE TROUBLE	h1rr1sssssssaaaaGssszt	h1rr1sssssssaaaasTssszt	hlrrlsssssssaaaaGsspppt	hlrrlsssssssaaaasTspppt
FIRE ALM RESTOR			hlrrlsssssssaaaaHsspppt	hlrrlsssssssaaaasRspppt
FIRE TBL RESTOR	h1rr1sssssssaaaaHssszt	h1rr1sssssssaaaasRssszt	hlrrlsssssssaaaaHsspppt	hlrrlsssssssaaaasRspppt
SIA Mode				
FIRE ALARM	<header>[#aaaa|NriaFAppp]	<header>[#aaaa|NriaBAppp]	<header>[#aaaa|NriaFAppp]	<header>[#aaaa|NriaBAppp]
FIRE ALARM (Cross Point)			<header>[#aaaa|NFMppp]	<header>[#aaaa|NBAppp]
FIRE SUPRVISION			<header>[#aaaa|NriaFSppp]	<header>[#aaaa|NriaBTppp]
FIRE TROUBLE	<header>[#aaaa|NriaFTppp]	<header>[#aaaa|NriaBTppp]	<header>[#aaaa|NriaFTppp]	<header>[#aaaa|NriaBTppp]
FIRE ALM RESTOR			<header>[#aaaa|NriaFHppp]	<header>[#aaaa|NriaBRppp]
FIRE TBL RESTOR	<header>[#aaaa|NriaFRppp]	<header>[#aaaa|NriaBRppp]	<header>[#aaaa|NriaFJppp]	<header>[#aaaa|NriaBRppp]

2.5.12   SIA Fire Restore

Default:	0
Selections:	0 or 1

0   The automation PC sends a common Fire Restoral code if programmed for SIA Output Mode.

1   The automation PC differentiates between Fire Restoral after Alarm and Fire Restoral after Trouble, Missing, or Supervisory if programmed for SIA Output Mode.

All Bosch Security Systems control panels using the Modem IIe and IIIa^2 formats differentiate between Fire Restoral after Alarm and Fire Restoral after Trouble, Missing, or Supervisory in the message that is sent to the D6600 Receiver/Gateway. SIA Automation Output Mode can also differentiate between these two message types, or it can combine them into a common Fire Restoral message.

✓ If the Modem IIe Fire prompt is programmed "0," the programming of the SIA Fire Restore prompt has no affect on the SIA Automation Output Format.

Table 4:   SIA Fire Restore Examples

SIA Mode	SIA Fire Restore = 0	SIA Fire Restore = 1
FIRE ALM RESTOR	<header>[#aaaa|NriaFRppp]	<header>[#aaaa|NriaFHppp]
FIRE TBL RESTOR	<header>[#aaaa|NriaFRppp]	<header>[#aaaa|NriaFJppp]

2.5.13   Packet Separator (/)

Default:	0
Selections:	0 or 1

0   Final packet separator is not sent in SIA automation message.

1   Final packet separator is sent in SIA automation message.

This prompt enables the final packet separator (/) (in SIA Output Mode) when messages with event modifiers are sent to the automation PC.

2.5.14   Sub Subscriber

Default:	0
Selections:	0 or 1

0	Sub subscriber (sub user) data is not sent to SIA automation output.
1	Sub subscriber (sub user) data is sent to SIA automation output.

This is a programmable modem format only item that determines whether the specific access control card or token number identifier (sub user) is also sent to the SIA automation output.

2.5.15   Output Format

Default:	1
Selections:	0 to 2

0	COM3 port disabled
1	6500 format (expanded reporting)
2	SIA Computer Interface Standard format

> If you disable the COM3 port by selecting 0 after selecting an automation output format, you must reboot the receiver.

Set *Menu Item 6.3.7 Device* to 2 to use COM3 RS-232 and the output format programmed in *2.5.15 Output Format.*

Set *Menu Item 6.3.7 Device* to 1 to use the output format programmed in *Menu Item 6.3.6 Network Automation Output Format* on page 41.

2.5.16   SFSK1 Output

Default:	0
Selections:	0 to 1

0	Send the SFSK 1 (*Table 7* on page 20) messages to the automation software (*Table 5*).
1	Send the SFSK 1 sensor to the automation software (*Table 6*).

At SFSK 1 format, change the automation output to either message (*Table 5*) or sensor (*Table 6*).

Table 5:   SFSK 1 Message Example

Mode	Example
6500	hmrrlsAAAAAAAA"EEZZ"EEZZ"EEZZ....t
SIA	[LF]<CRC>m<Seq>rrll[#AAAAAAAA|EEZZ"EEZZ] [CR]

Table 6:   SFSK 1 Sensor Example

Mode	Example
6500	hmrrlsAAAAAAAA"ZZ"ZZ"ZZ....t
SIA	[LF]<CRC>m<Seq>rrll[#AAAAAAAA|ZZ"ZZ] [CR]

Table 7:   SFSK 1 Format

Report Code	Description	To Automation		Notes
		2.5.16=0(EEZZ)	**2.5.16=1(ZZ)**	
00:	Alarm Panic	PAss	00	
01-08:	Alarm 01-08	sA0x	01-08	x=1-8
09:	Holdup	Hass	09	
10-19:	Alarm 10-19	sA1x	10-19	x=0-9
20-29:	Alarm Restore 10-19	sH1x	20-29	x=0-9
30:	Test Code	sXss	30	
31:	Trouble Line 1	LT01	31	
32:	Trouble Line 2	LT02	32	
33:	Expand Trouble	ETss	33	
34:	Forced Access	DFss	34	
35:	Restore Line 1	LR01	35	
36:	Restore Line 2	LR02	36	
37:	Expand Restore	ERss	37	
38:	Cancel Code	OCss	38	
39:	Data Lost	RTss	39	
40:	Closing	CL00	40	
41-49:	Closing 01-09	CL0x	41-49	x=1-9
50-59:	Bypass 10-19	sB1x	50-59	x=0-9
60:	Trouble AC	ATss	60	
61-68:	Trouble 01-08	sT0x	61-68	x=1-8
69:	Trouble BAT	YTss	69	
70:	Restore AC	ARss	70	
71-78:	Restore 01-08	sRss	71-78	
79:	Restore BAT	YRss	79	
80:	Access	DS00	80	
81-89:	Access 01-09	DG0x	80-89	x=1-9
90:	Opening	OP00	90	
91-99:	Opening 01-09	OP0x	91-99	

2.5.17   Format ID

Default:	0
Selections:	0 or 1

0	Traditional Message Type for output format.
1	Unique Message Type for each format.

Refer to *Appendix F* of the *D6600 Computer Interface Manual* (P/N: 4998122703) for more information.
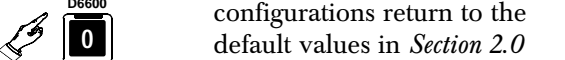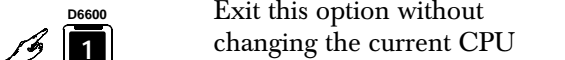
For the D6500 Automation Mode, Message Type is the first character of the output string. If a header character exists, it is the second character. For SIA Automation Mode, the Message Type is the seventh character of the output string.

2.6   Return CPU Configuration to Default

```
04/06/2004 14:25:00
```

1.

    [M/E]

```
1 EVENT DATABASE
```

2.

    [▼]

```
2 CPU CONFIGURATION
```

3.

    [M/E]

```
2.1 Change Passwords
```

4.

    [▼]   5x

```
2.6 Return CPU/HOST/NETWORK To Default
```

5.

    [M/E]

```
2.6 Return CPU/HOST/NETWORK To Default
Sure? 0/1 - No/Yes: _
```

    [0]

All the CPU configurations and host programming configurations return to the default values in *Section 2.0 CPU Configuration* beginning on page 8.

    [1]

Exit this option without changing the current CPU configurations.

```
2.6 Return CPU/HOST/NETWORK To Default
```

6.

    [CAN]   repeatedly.

```
04/06/2004 14:25:00
```

3.0   Line Card Configuration

3.1   Handshake Tones

3.1.1   Tones

3.1.1.1   Tone 1

Default:	2
Selections:	1 to 21

0	No handshake, not accepted for Tone 1
1	1400 Hz
2	2300 Hz
3	Modem II
4	Modem IIe/IIIa[2] (D6640 v.01.XX.XX and D6641)
5	Dual Tone
6	SIA Bell
7	1600 Hz ScanCom (D6641 only)
8	ITI (D6640 v.02 .XX.XX and D6641)
9	Robofon (D6641 only)
10	Seriee FSK (D6641 only)
11	Seriee DTMF (D6641 only)
12	CFSK Bell (D6641 only)
13	TELIM (D6641 only)
14	SIA V.21 (D6641 only)
15	CFSK V.21 (D6641 only)
16	SIA ADT (D6641 only)
17	Double Dual Tone
18	VONK (D6641 only)
19	Modem IId (D6641 only)
20	RB2000 (D6641 only)
21	Dual Tone/1000 Hz (D6641 only)

Refer to the dialer's installation instructions for compatibility information. Selection "0" is not allowed for Tone 1.

Selecting Handshake 0 (no handshake) for any tone other than Tone 1 causes the receiver to stop sending additional handshake tones.

Program the ITI handshake before the Modem II handshake when receiving ITI format signals.

Program the SIA handshake before the Modem II handshake when receiving SIA format signals.

If using Handshake 18 or 20, program it as the first tone with no other handshakes programmed for that line.

3.1.1.2 Tone 2

Default:	1
Selections:	0 to 21

Refer to *Menu Item 3.1.1.1 Tone 1* on page 21 for programming information.

3.1.1.3 Tone 3

Default:	5
Selections:	0 to 21

Refer to *Menu Item 3.1.1.1 Tone 1* on page 21 for programming information.

3.1.1.4 Tone 4

Default:	3
Selections:	0 to 21

Refer to *Menu Item 3.1.1.1 Tone 1* on page 21 for programming information.

3.1.1.5 Tone 5

Default:	4
Selections:	0 to 21

Refer to *Menu Item 3.1.1.1 Tone 1* on page 21 for programming information.

3.1.1.6 Tone 6

Default:	6
Selections:	0 to 21

Refer to *Menu Item 3.1.1.1 Tone 1* on page 21 for programming information.

3.1.1.7 Tone 7

Default:	0
Selections:	0 to 21

Refer to *Menu Item 3.1.1.1 Tone 1* on page 21 for programming information.

3.1.1.8 Tone 8

Default:	0
Selections:	0 to 21

Refer to *Menu Item 3.1.1.1 Tone 1* on page 21 for programming information.

3.1.1.9 Tone Duration

Default:	10
Selections:	02 to 15

Set the 1400 Hz and 2300 Hz handshake ***Tone Duration*** time. Make selections in 1/10 sec increments. The default setting (10) provides a 1 sec handshake tone.

3.1.1.10 Initial Wait

Default:	10
Selections:	10 to 99

After picking up the phone line, the D6600 Receiver/ Gateway waits the programmed amount of time before sending the handshake. Make selections in 1/10 sec increments. The default setting (10) provides a 1 sec initial wait time.

3.1.1.11 Handshake Wait ($\times$ 100 ms)

Default:	30
Selections:	25 to 99

Set the time interval between handshake tones (refer to *Menu Items 3.1.1.1 Tone 1* on page 21 through *3.1.1.8 Tone 8*). Make selections in 1/10 sec increments. A default of 30 provides a 3 sec wait time between handshake tones. The maximum setting is 99 (9.9 sec).

3.1.1.12 Handshake Amplify (Reserved Feature)

Default:	7

3.1.1.13 Handshake Optimization

Default:	0
Selections:	0 or 1
0	Disable Handshake Optimization
1	Enable Handshake Optimization

To enable the handshake optimization, set this feature to 1 on each line using this option. This feature increases the efficiency of the public switched telephone network (PSTN) communication and reduces the on-line time of dialers.

☑ For handshake optimization to work, *Menu Item 3.1.5.1 Caller ID* on page 30 must be set to 1.

Handshake optimization uses the caller ID database to send the correct handshake. The caller ID database is automatically created as control panels dial the receiver. The receiver stores the telephone number the control panel called from and the handshake the control panel responded to. The next time the control panel calls, the receiver sends the stored handshake.

3.1.2   Phone Supervision

3.1.2.1 Line Sniff

Default:	1
Selections:	0 to 2
0	Disable phone line supervision.
1	Enable phone line supervision.
2	Disable phone line supervision and disable Busy Seconds Report.

This entry enables or disables phone line supervision.

- If **Line Sniff is 0** (disabled) and the phone line is disconnected or out of service, the OL/LF LED on the PSTN Line Card is clear.
- If **Line Sniff is 1** (enabled) and the phone line is disconnected or out of service, the OL/LF LED on the PSTN Line Card is red and a `LINE TROUBLE` message appears on the display. The message is also printed and sent to the automation system PC.
- If **Line Sniff is 2** (also disabled) and the phone line is disconnected or out of service, the OL/LF LED on the PSTN Line Card is clear and disables the Busy Seconds Report. Refer to *D6600 Operation* in the *D6600 Operation and Installation Guide* (P/N: 4998122704). Set the Line Sniff to 1 when used in UL Listed central stations.

Table 8: OL/LF LED Status		
LED	**State**	**Cause**
OL/LF	Off	Telephone line normal
	Green	Telephone line picked up
	Flashes green	Incoming call

3.1.2.2 Maximum On Line Time (minutes)

Default:	5
Selections:	1 to 9

The maximum period a call can be online. This prevents a busy line caused by nonsense data or repeated messages. This entry will not affect the Two Way Audio Duration (refer to *Menu Item 3.1.4.1 Duration* on page 28).

3.1.2.3 Ring Count

Default:	1
Selections:	1 to 9

The number of rings detected before the D6600 answers the line. Program the Ring Count as 2 or higher so the receiver's line cards can accept calling line ID.

3.1.3   Line Formats

3.1.3.1 Five Digits

Default:	1
Selections:	1 to 4
1	**3x1 Checksum:** Three-digit account number, 1 zone digit, and 1 checksum digit
2	**3x2 Double Round:** Three-digit account number, 1 group digit, and 1 zone digit
3	**4x1 Double Round:** Four-digit account number, and 1 zone digit
4	**Auto Config:** If the pulse speed is 40 pps, it is 3x1 Checksum, otherwise 4x1 Double Round.

This entry determines how the D6600 interprets and shows the information from a control panel transmitting a five-digit format.

3.1.3.2 Six Digits

Default:	1
Selections:	1 to 3
1	**4x2 Double Round:** Four-digit account number, 1 group digit, and 1 zone digit
2	**3x2 Checksum:** Three-digit account number, 1 group digit, 1 zone digit, and 1 checksum digit
3	**4x1 Checksum:** Four-digit account number, 1 zone digit, and 1 checksum digit

This entry determines how the D6600 interprets and shows the information from a control panel transmitting a six-digit format.

3.1.3.3 4-1 Extended

Default:	1			
Selections:	0 to 2			
0	No combination of 4-1 format and 4-1 extended format.	Example:	Control panel sends to receiver	1234**1** 1111**2**
			Automation format message sent to central station:	
			6500 mode:	sss1234sAsss**1** sss1111sAsss**2**
			SIA Mode:	[#1234|NBA**1**]
1	This selection uses the fifth position of the first signal and fifth position of the second extended signal (when both are 1 to 9) and combines them into a two-digit zone number. The event code follows after selecting the Event 3-1 digit (*Menu Item 3.1.7.1 Event 3-1 – Digit 0* on page 31 through *Menu Item 3.1.7.16 Event 3-1 – Digit F* on page 32).	Example:	Control panel sends to receiver	1234**1** 1111**2**
			Automation format message sent to central station:	
			6500 mode:	sss1234sAsss**12**
			SIA Mode:	[#1234|NBA**12**]
	If B to F are used in the fifth position of the first signal, it selects the event code from Event 3-1 (*Menu Item 3.1.7.1 Event 3-1 – Digit 0* on page 31 through *Menu Item 3.1.7.16 Event 3-1 – Digit F* on page 32). The fifth digit of the extended signal selects the reporting code. The D6500 Receiver uses this method.	Example:	Control panel sends to receiver	1234**F** FFFF**2**
			Automation format message sent to central station:	
			6500 mode:	sss1234sTsss**2**
			SIA Mode:	[#1234|NBT**2**]
2	This selection uses the fifth position of the first signal and fifth position of the second extended signal (when both are 1 to F) and combines them into a two-digit zone number. The event code follows after the selection of the Event 3-1 digit (*Menu Item 3.1.7.1 Event 3-1 – Digit 0* on page 31 through *Menu Item 3.1.7.16 Event 3-1 – Digit F* on page 32).	Example:	Control panel sends to receiver	1234**F** FFFF**2**
			Automation format message sent to central station:	
			6500 mode:	sss1234sTss**F2**
			SIA Mode:	[#1234|NBT**F2**]

Option 2 can be used to extend the 4-1 extended format to the 4-2 format.

3.1.3.4 4-2 Extended

Default:	1
Selections:	0 or 1

0	The 4-2 Extended messages are not combined.
1	Combine the two signals of the 4-2 Extended format to create 4-3 format output.

3.1.3.5 Seven digit

Default:	2
Selections:	1 to 3

1	The seven-digit pulse format at 40-baud is decoded as SESCOA Super Speed format.
2	The seven-digit pulse format at 40-baud is decoded as 4-2 with checksum format.
3	The ETX signal is used to determine if the seven-digit pulse format at 40-baud is decoded as 4-2 with checksum format or SESCOA Super Speed format. The control panel must send the ETX signal at the end of the transmission in order for D6600 Receiver/Gateway to decode the message as SESCOA Super Speed.

All seven-digit messages less than 40 pps are decoded as 4-2 with checksum.

3.1.3.6 4-1 Express

Default:	1
Selections:	1 to 3

1	Ademco 4-1 Express format
2	DTMF 4-3 with checksum format*
3	FBI Super Fast format without Checksum

*	Program control panels using DTMF 4-3 format to send their data only after receiving the 1400 Hz handshake tone.

3.1.3.7 Pulse Wait (× 10 ms)

Default:	10
Selections:	06 to 20

The time the receiver/gateway waits for the next pulse. Make selections in 1/100 sec increments. A default setting of 10 provides a 100 ms wait time. The maximum setting is 20 (200 ms).

3.1.3.8 Digit Wait (× 100 ms)

Default:	17
Selections:	04 to 20

The time the receiver/gateway waits for the next digit. Make selections in 1/10 sec increments. A default setting of 17 provides a 1.7 sec wait time. The maximum setting is 20 (2 sec).

3.1.3.9 Round Wait

Default:	80
Selections:	21 to 99

The time the receiver/gateway waits for the second half of a double round message. Make selections in 1/10 sec increments. A default setting of 80 provides a 8 sec wait time. The maximum setting is 99 (9.9 sec).

3.1.3.10 Ademco High Speed Checksum

Default:	0
Selections:	0 or 1

0	Interpret the signal as the Ademco High Speed 5-8-1 format
1	Interpret the signal as the Ademco High Speed 4-8-1 Checksum format

3.1.3.11 BFSK Extended Alarms

Default:	0
Selections:	0 or 1

0	When digits 1 to A are sent in the function code (fourth digit) position they are interpreted as alarm zone X, where X is 0 to 9 (A = 0).
1	Interpret as alarm zone EY, where E is 0 to 9 when function digit is 1 to A (A = 0), and Y is the zone code from 0 to F.

The D6600 BFSK format is designed for Bosch control panels. Some non-Bosch control panels do not send the BFSK signals to this format. They might use Function Codes 1 to A to provide zone information other than the BFSK zone code.

3.1.3.12 3-1 Extended

Default:	1
Selections:	0 to 2

0	No combination of 3-2 format and 3-1 extended format.	Example:	Control panel sends to receiver: 1231 1112
			Automation format message sent to central station:
			6500 mode: sss123sAsss1 sss111sAsss2
			SIA Mode: [#s123|NBA1] [#s123|NBA2]
1	This selection uses the fourth position of the first signal and fourth position of the second extended signal (when both are 1 to A) and combines them into a two-digit zone number. The event code follows after selecting the Event 3-1 digit (*Menu Item 3.1.7.1 Event 3-1 – Digit 0* on page 31 through *Menu Item 3.1.7.16 Event 3-1 – Digit F* on page 32).	Example:	Control panel sends to receiver: 123**1** 111**2**
			Automation format message sent to central station:
			6500 mode: sss123sAsss**12**
			SIA Mode: [#s123|NBA**12**]
	If B to F are used in the fourth position of the first signal, it selects the event code from Event 3-1 (*Menu Item 3.1.7.1 Event 3-1 – Digit 0* on page 31 through *Menu Item 3.1.7.16 Event 3-1 – Digit F* on page 32). The fourth digit of the extended signal selects the reporting code. The D6500 Receiver uses this method.	Example:	Control panel sends to receiver: 123**F** FFF**2**
			Automation format message sent to central station:
			6500 mode: sss123sTsss**2**
			SIA Mode: [#s123|NBT**2**]
2	This selection uses the fourth position of the first signal and fourth position of the second extended signal (when both are 1 to F) and combines them into a two-digit zone number. The event code follows after the selection of the Event 3-1 digit (*Menu Item 3.1.7.1 Event 3-1 – Digit 0* on page 31 through *Menu Item 3.1.7.16 Event 3-1 – Digit F* on page 32).	Example:	Control panel sends to receiver: 123**F** FFF**2**
			Automation format message sent to central station:
			6500 mode: sss123sTsss**F2**
			SIA Mode: [#s123|NBT**F2**]

Option 2 can extend the 3-1 extended format to the 3-2 format.

3.1.3.13 3-1 Restore Report in High Speed Format

Default:	0			
Selections:	0 or 1			
0	Normal 3-1 report			
1	Convert a 3-1 Restore Report to an Ademco High Speed report. Messages: AAA Z AAA 9, where: 　where AAA = Account Code 　Z = Zone 　9 = Restore	Example:	Account 123, and Zone 2 Restore are translated to:	0123* 5355 5555 7

> * A leading 0 is added in front of the account code.

3.1.3.14 Extended Report in High Speed Format

Default:	0
Selections:	0 or 1
0	Send the combined 3-2 and 4-2 messages to the automation PC.
1	Send the converted messages (3-1 and 4-1 Extended to Ademco High Speed) to the automation PC.

When receiving the Open, Close, Trouble, and Restore messages in 3-1 and 4-1 Extended format, the D6600 translates these messages to the Ademco High Speed format.

Table 9:	High Speed Format Examples		
Description	Message	To Automation:	
		Option Set to 0*	Option Set to 1
Opening User 3	123 B BBB 3	123 B3	0123 3222 2222 2
Closing User 3	123 C CCC 3	123 C3	0123 3444 4444 4
Cancel	123 D DDD 1	123 D1	123 D1*
Restore Zone 1	123 E EEE 1	123 E1	0123 3555 5555 7
Trouble Zone 1	123 F FFF 1	123 F1	0123 0555 5555 7
Battery Trouble	123 F FFF 9	123 F9	0123 5555 5555 8
Battery Restore	123 E EEE 9	123 E9	0123 5555 5555 B

> * Follow 3-1 Extended and 4-1 Extended (*Table 11* on page 31 and *Table 12* on page 43) option

3.1.3.15 FBI Super Fast/LAR300

Default:	0
Selections:	0 or 1
0	FBI Super Fast Output (4x1x2x1)
1	LAR300 Output (4x3x1)

The LAR300 format is composed of eight characters, arranged in the following pattern: 1234 016 3, in which, 1234 represents the account number, 016 represents the zone number, and 3 represents the event code.

3.1.3.16 Ademco CAPS 4-2 None O/C Report

Default:	0
Selections:	0 or 1

0	Send the non-converted 4-2 messages to the automation software.
1	Send the CAPS 4-2 Report to the automation software.

	Example: aaaa ddd
	  where aaaa = 4-2 Account code,
	  ddd = Three digit decimal number
	  (16 x Event Code + Zone Code)

 An ASCII character A appears between the account number and the decimal number on the receiver display. Example: aaaa A ddd.

3.1.3.17 Ademco 4-2 O/C report

Default:	0
Selections:	0 or 1

0	A Normal 4-2 Report is sent to the automation PC.
1	Convert the PULSE 4-2 Open/Close messages (code B0-BF, C0-CF) to the Ademco High Speed format.

Use this option to convert PULSE 4-2 Open/Close messages (code B0-BF, C0-CF) to the Ademco High Speed format.

3.1.4   Two-Way Audio

3.1.4.1   Duration

Default:	0
Selections:	0 to 15

The time the D6600 stays on line when it is in two-way audio operation. The time is set in one-minute increments. A setting of **0** disables the two way audio feature.

 For RB2000, set this option to 2.

3.1.4.2   Account Digit 0

Default:	0
Selections:	0 or 1

0	Disables account digit
1	Enables account digit

The D6600 decodes the first digit of the account number to determine when to start two way audio operations. If the first digit of the account number matches the selection, the two way audio is activated.

There are three two-way audio modes of operation:

- **Transfer:** The D6600 transfers the incoming line to another line. At the end of the alarm signal, the receiver quickly disconnects and reconnects the line, then dials another line which is programmed in *Menu Item 3.1.4.19 Transfer Phone Number* on page 29. Entries in *Menu Item 3.1.4.18 Flash (x 100ms)* on page 29 and *Menu Item 3.1.4.19 Transfer Phone Number* are necessary for this to happen.
- **Hold:** The D6600 remains off-hook for a programmed period, or until another device takes over the line before the hold time expires. An entry at *Menu Item 3.1.4.20 Hold* on page 30 is necessary for this to occur.
- **Duration:** The D6600 remains off-hook until a programmed period expires or is ended by a STOP command through the automation PC or a keypad. Connect a regular telephone in parallel with the incoming telephone line. An entry at *Menu Item 3.1.4.1 Duration* is necessary for this to occur.

The D6600 ONLY performs one operation at a time. If more than one is activated, the order is Transfer → Hold →Duration.

3.1.4.3   Account Digit 1

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* for details.

3.1.4.4   Account Digit 2

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* for details.

3.1.4.5   Account Digit 3

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* for details.

3.1.4.6   Account Digit 4

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* on page 28 for details.

3.1.4.7   Account Digit 5

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* on page 28 for details.

3.1.4.8   Account Digit 6

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* on page 28 for details.

3.1.4.9   Account Digit 7

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* on page 28 for details.

3.1.4.10 Account Digit 8

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* on page 28 for details.

3.1.4.11 Account Digit 9

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* on page 28 for details.

3.1.4.12 Account Digit A

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* on page 28 for details.

3.1.4.13 Account Digit B

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* on page 28 for details.

3.1.4.14 Account Digit C

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* on page 28 for details.

3.1.4.15 Account Digit D

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* on page 28 for details.

3.1.4.16 Account Digit E

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* on page 28 for details.

3.1.4.17 Account Digit F

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.2 Account Digit 0* on page 28 for details.

3.1.4.18 Flash (x 100ms)

Default:	0
Selections:	0 to 20

With this option programmed for 1 to 20 x 100 ms, the CPU first sends the two-way audio signal to automation PC through RS-232, then the line is disconnected for the programmed duration and then reconnected. It stays off hook for another 5 sec, then disconnects.

3.1.4.19 Transfer Phone Number

Default:	(blank)
Selections:	(complete phone #)

The receiver dials the number programmed here after a two-way audio session ends.

⚠ Flash Time (refer to *Menu Item 3.1.4.18 Flash (x 100ms)*) must be programmed for the transfer number to work. The telephone line used with this feature must also support the flash option to get the dial tone for the receiver to call the transfer number.

3.1.4.20 Hold

Default:	00
Selections:	00 to 99

With this option programmed for 01 to 99 sec, the line card stays off-hook for the programmed duration after the audio event signal is sent to the automation PC. This allows the firmware-controlled private branch exchange (PBX) or phone line channel bank to pick up the line then hang up.

3.1.4.21 Audio Event

Default:	Unchecked
Selections:	0123456789ABCDEF

The receiver selects the alarm event codes and controls what signals are enabled for two-way audio (*Table 10*). If this field is unchecked, the event code option is ignored in the signal filtering process. This option is available for Pulse (3-1, 3-2, 4-1, 4-2), DTMF (4-1, 4-2, 4-3), and Contact ID formats.

> This option can also be used with *Menu Item 3.1.4.22 Audio Zone* for enhanced alarm filtering.

3.1.4.22 Audio Zone

Default:	Unchecked
Selections:	0123456789ABCDEF

The receiver can select zone numbers (last digit) and control what signals are enabled for two way audio. If this field is unchecked, the zone number option is ignored in the signal filtering process. This option is available for Pulse (3-1E, 3-2, 4-1E, 4-2) and DTMF (4-1E, 4-2, and 4-3) formats.

> This option can also be used with *Menu Item 3.1.4.21 Audio Event* for enhanced alarm filtering.

Two-Way Audio (TWA) Example

Table 10: Two-Way Audio Programming	
Prompt	**Value**
3.1.4.3 Account Digit 1 Enabled	1
3.1.4.4 Account Digit 2 Enabled	1
3.1.4.5 Account Digit 3 Enabled	1
3.1.4.21 Audio Event	2345
3.1.4.22 Audio Zone	36B

A signal with *Table 10's* attributes activates:

- an account number in the range of 1000-3FFFF
- an event code of 2, 3, or 4

- a zone code of 3, 6, or B

> A signal must possess all three attributes (account number, event code, and zone code) to trigger a TWA session.

For example:
- 4-2 Alarm 123456 activates a TWA session
- 4-2 Alarm 123466 does not activate a TWA session

3.1.5   Line Identification

3.1.5.1 Caller ID

Default:	0
Selections:	0 to 2

0	Disable Caller ID.
1	Always send Caller ID only to the automation PC and printer when No Data Received or Data Error messages are generated.
2	Always send Caller ID to the printer only.

> Caller ID still appears at the LCD when 1 or 2 is selected.

3.1.5.2 Caller Name

Default:	0
Selections:	0 or 1

0	Disable Caller Name.
1	Send Caller Name to the printer only.

> Caller Name still appears at the LCD when 1 is selected.

3.1.5.3 DNIS

A Dialed Number Identification Service (DNIS) number can be 4 to 11 digits. A 2000 DNIS number database can automate communication settings. Database-supported settings:

- Handshake 1-8
- Five-Digit
- Six-Digit
- 4-1 Extended
- 4-2 Extended
- Seven-Digit
- 4-1 Express
- Pulse Wait
- Digit Wait
- Round Wait
- Ademco High Speed Checksum
- BFSK Extended
- 3-1 Extended
- 3-1 Restore Report in High Speed
- Extended Format Report in High Speed Format
- Tone Duration
- Handshake Wait

Default:	0
Selections:	0 to 1
0	Disable
1	Enable
2	Enable DNIS, database DNIS only

If enabled using 1, a DNIS number is sent to the automation PC and the printer. If there is no DNIS number or a DNIS error, the output DNIS D is followed by zeros equaling the length of the previous valid DNIS. The output contains four zeros if there was no previous valid DNIS.

If enabled using 2, only valid DNIS numbers in the database are processed. If no DNIS number, an invalid number, or a DNIS number not in the database is received, the system disconnects the call.

3.1.5.4 ANI

Default:	0
Selections:	0 or 1
0	Disable
1	Enable, use sequence DNIS+ANI when DNIS is available
2	Enable, use sequence ANI+DNIS when DNIS is available

3.1.6   Reserved Feature

3.1.7   Event 3-1 or 4-1

This section can only be programmed using the D6200 Programming Software. *Table 11* shows the programmed event codes and corresponding descriptions (in English).

Table 11: Event 3-1 or 4-1 (Line Configuration) Event Codes	
Event Code	**Description**
A	ALARM
R	RESTORE
O	OPEN
C	CLOSE
T	TROUBLE
\	CANCEL
Other	ALARM

3.1.7.1 Event 3-1 – Digit 0

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* for details.

3.1.7.2 Event 3-1 – Digit 1

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* for details.

3.1.7.3 Event 3-1 – Digit 2

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* for details.

3.1.7.4 Event 3-1 – Digit 3

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* for details.

3.1.7.5 Event 3-1 – Digit 4

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* for details.

3.1.7.6 Event 3-1 – Digit 5

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* for details.

3.1.7.7 Event 3-1 – Digit 6

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* for details.

3.1.7.8 Event 3-1 – Digit 7

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* for details.

3.1.7.9 Event 3-1 – Digit 8

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* for details.

3.1.7.10 Event 3-1 – Digit 9

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* for details.

3.1.7.11 Event 3-1 – Digit A

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.7.12 Event 3-1 – Digit B

Default:	O
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.7.13 Event 3-1 – Digit C

Default:	C
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.7.14 Event 3-1 – Digit D

Default:	\
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.7.15 Event 3-1 – Digit E

Default:	R
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.7.16 Event 3-1 – Digit F

Default:	T
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8   Event 4-2 or 4-3

This menu item can only be programmed using the D6200 Programming Software.

3.1.8.1   Event 4-2 – Digit 0

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.2   Event 4-2 – Digit 1

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.3   Event 4-2 – Digit 2

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.4   Event 4-2 – Digit 3

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.5   Event 4-2 – Digit 4

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.6   Event 4-2 – Digit 5

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.7   Event 4-2 – Digit 6

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.8   Event 4-2 – Digit 7

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.9   Event 4-2 – Digit 8

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.10 Event 4-2 – Digit 9

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.11 Event 4-2 – Digit A

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.12 Event 4-2 – Digit B

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.13 Event 4-2 – Digit C

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.14 Event 4-2 – Digit D

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.15 Event 4-2 – Digit E

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.8.16 Event 4-2 – Digit F

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Menu Item 3.1.7 Event 3-1 or 4-1* on page 31.

3.1.9   Automation

3.1.9.1   Virtual Receiver Number

Default:	00
Selections:	00 to 99

00	The D6600 sends a common receiver number programmed in *Menu Item 2.2.30 Receiver Number* on page 12, to the automation software.
01 to 99	The D6600 sends this receiver number to the automation software overriding the number programmed in *Menu Item 2.2.30 Receiver Number*.

The receiver can use a common receiver number programmed in *Menu Item 2.2.30 Receiver Number*, or it can send a receiver number from each individual PSTN line to the receiver.

3.1.9.2   Receiver Type

Default:	0
Selections:	0 to 9

0	Bosch Security Systems
1	ADEMCO 685
2	FBI CP220
3	Osborn-Hoffman Quick Alert I/II
4	Silent Knight 9000
5	Varitech
6	Sur-Gard MLR2-DG
7	ITI CS4000
8	DMP
9	C&K

The selections made determine the database the automation software uses to manage the incoming signals from this specific line.

Setting the Receiver Type

1 EVENT DATABASE
Welcome Manager...

D6600 ▼ 2x

3 LINE CARDS CONFIGURATION

D6600 M/E

3.1 Line Configuration

D6600 M/E

3.1 Line Configuration
Input Line# [1..32]: _

Enter line number.

D6600 M/E

3.1.1 Handshake Tones
Line 1

D6600 ▼ 8x

3.1.9 Automation
Line 1

D6600 M/E

3.1.9.1 Virtual Receiver Number
Line 1   Current [0]

D6600

☞ ▼

```
3.1.9.2 Receiver Type
Line  1    Current [0]
```

D6600

☞ M/E

```
Current setting [0]
New Value [0..9]: _
```

Enter the receiver type.

D6600

☞ M/E

```
3.1.9.2 Receiver Type
Value changed.
```
```
3.1.9.2 Receiver Type
Line  1    Current [1]
```

D6600

☞ CAN　　repeatedly.

```
04/06/2004 14:25:00
```

☑ Program the automation switch for the appropriate database.

- **In D6500 Mode:**
  The D6600 sends the Receiver Type in the header position of the report. When this option is programmed with a non-zero value, it overwrites the value set in *Menu Item 2.5.8 Header* on page 17, in the D6500 Mode.

  When this Option is 0, the header follows *Menu Item 2.5.8 Header*.

  When this Option is greater than 0, the "Header" is 1" for "01" and so on. Every protocol in the D6500 Mode shows a header.

- **In SIA Mode:**
  When this Option = 0, the report does not contain the receiver type modifier.

  When this Option is > 0, the modifier "rc" in lower case is sent at the beginning of each N and O block.

  Example: [#123|Nrc01BA1].

☑ The Receiver Type only applies to Pulse and DTMF formats in SIA Mode, except High Speed and Contact ID.

3.1.9.3　Acron 3-8 Account Output

Default:	0
Selections:	0 or 1

0	The D6600 sends a three-digit account code to the automation software.
1	The D6600 sends a leading space to the automation software.

ACRON 3-8 format has a three-digit account code. Setting this option to 0 allows the D6600 to send a three-digit account code to the automation software in AAA form. Setting this option to 1 allows the D6600 to send a leading 0 to the automation software in 0AAA form.

3.1.9.4　4-2 Format Output

Default:	0
Selections:	0 to 3

0	Sends a normal Bosch Security Systems D6500 Mode output as AAAAsEssXY
1	Sends AAAAsEsssY
2	Sends AAAAsXsssY
3	Strip alpha characters in zone when in automation format. For example, 1234 F9 appears as 1234 9, or 1234 30 appears as 1234 30.

AAAA = the account number

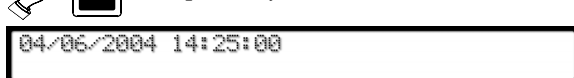E = the event code derived from the code X in *Menu Item 3.1.8.1 Event 4-2 − Digit 0* to *Menu Item 3.1.8.16 Event 4-2 − Digit F* on page 33

XY = the two-digit reporting code

This option only applies to Pulse 4-2 and DTMF 4-2 formats and provides the flexibility to interface with different automation software, so the automation software's database can accurately interpret the 4-2 signal.

3.1.9.5 Output for Modem II/III Formats

Default:	0
Selections:	0 or 1

0	Sends a normal D6500 Mode output to the automation software.
1	Sends the S protocol to the automation software.

This option provides an extended S protocol in the D6500 Mode so all Modem II and Modem IIIa[2] messages can be sent in SIA format to automation. Refer to the *D6600 Computer Interface Manual* (P/N: 4998122703) for S protocol in D6500 Mode.

3.1.9.6 Convert Pulse Account Number

Default:	0
Selections:	0 to 3

0	No change (default).
1	Add prefix 0 to pulse 3-1 and 3-2
2	Remove prefix 0 at pulse 4-1, 4-2, and 4-3
3	Add prefix 0 to pulse 3-1 and 3-2 and remove prefix 0 at pulse 4-1, 4-2, and 4-3

3.2   Setting Default Line Configuration

3.2.1   Default Line Configuration from D6600 Keypad

```
1 EVENT DATABASE
Welcome Manager...
```

D6600 🖰 [▼]   2x

```
3 LINE CARDS CONFIGURATION
```

D6600 🖰 [M/E]

```
3.1 Line Configuration
```

D6600 🖰 [▼]

```
3.2 Set Line Configuration to Default
```

D6600 🖰 [M/E]

```
Sure ? 0/1 - No/Yes
```

D6600 🖰 [0]   Exit this option without changing the line configurations to the default.

D6600 🖰 [1]   All line configurations return to the default values listed in *Menu Item 3.1.1.1 Tone 1* on page 21.

D6600 🖰 [CAN]   repeatedly.

```
04/06/2004 14:25:00
```

3.2.2   Default Line Configuration from D6200 Software

1.

or

2. Select a file.

3. 🖰 [Open]

D6600:

File name: C:\Program Files\D6200\default.lnc
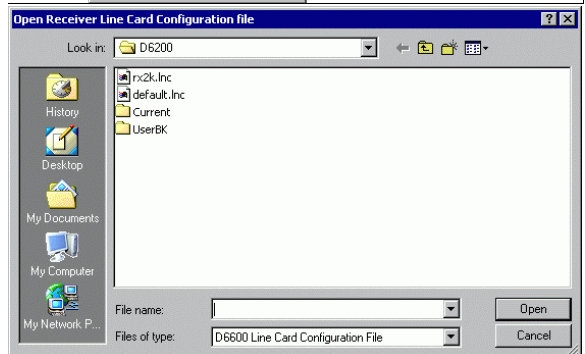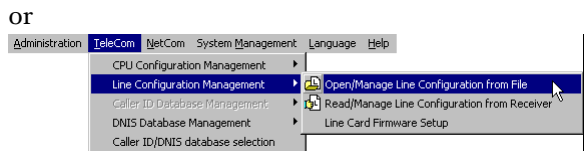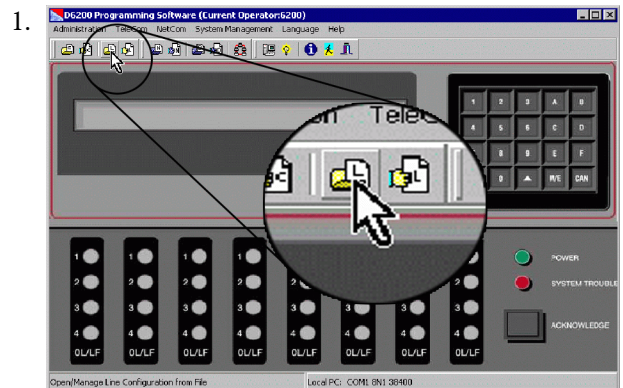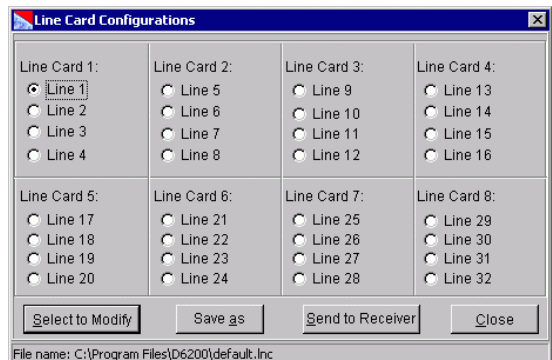
4. Select a line card to modify.

5.   Select to Modify
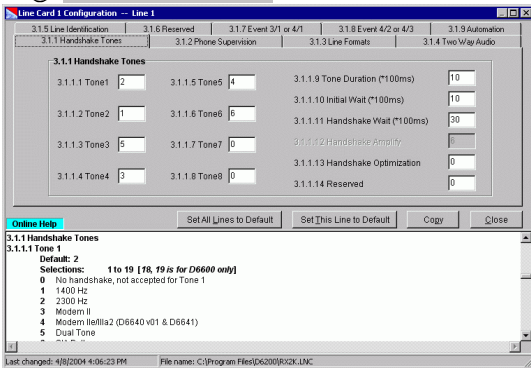
6.   Set All Lines to Default — Resets all lines in all installed line cards to the default.

 Set This Line to Default — Resets only the modified line to the default.

7.   Close — after all modifications to all lines are made.

> ☑ No handshake tone is sent if the digital signal processor (DSP) does not support that particular format. Confirm the line card configuration supports the desired format before assigning it.

8.   Send to Receiver — if no other line cards must be modified.
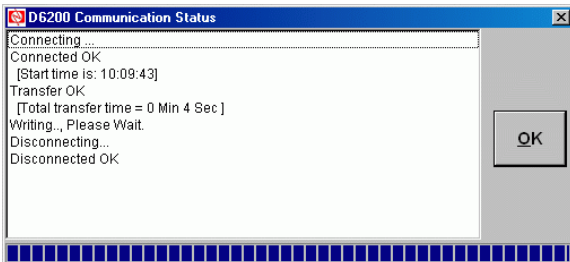
9.   OK

3.3 Copy Selected Line Configuration to Another Line

3.3.1 Copy Selected Line Configuration from D6600 Keypad

Use this option to copy the settings from one line to another.

```
1 EVENT DATABASE
Welcome Manager...
```

1.   ▼ 2x

```
3 LINE CARDS CONFIGURATION
```

2.   M/E

```
3.1 Line Configuration
```

3.   ▼ 2x

```
3.3 Copy One Line to Another Line
```

4.   M/E

```
3.3 Copy One Line to Another Line
Copy from line (1-32): _
```

5. Enter line to copy.

6.   M/E

```
3.3 Copy One Line to Another Line
Copy to line (1-32): _
```

7. Enter the line number.

8.   M/E

9.   CAN

```
04/06/2004 14:25:00
```

3.3.2 Copying Selected Line Configuration from D6200 Software

1.

   or

2.

3. Select a file.

4. Open
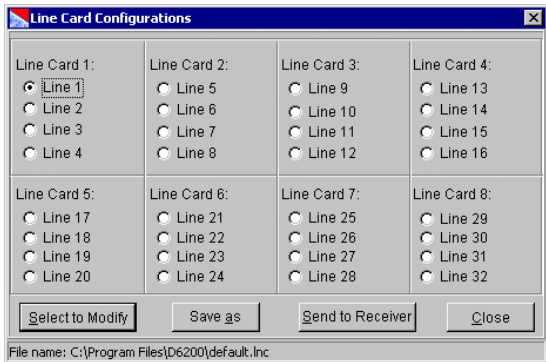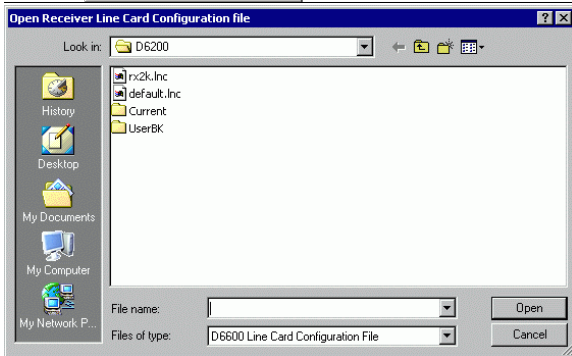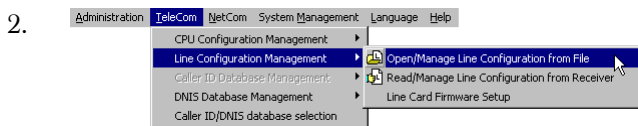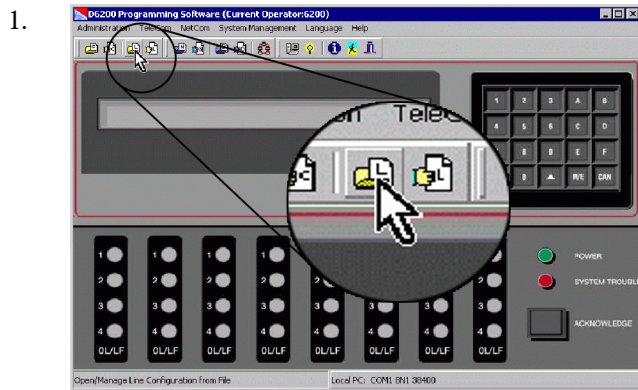
5. Choose a line card to modify.

6. Select to Modify

7. Copy
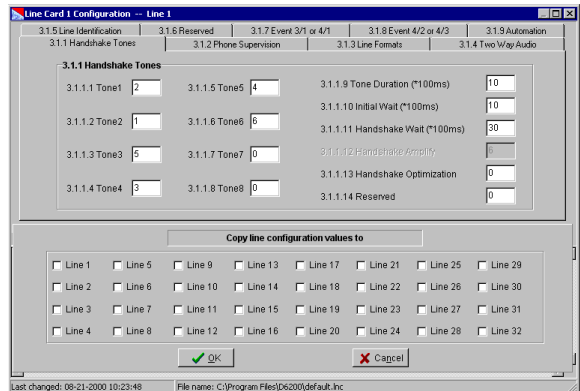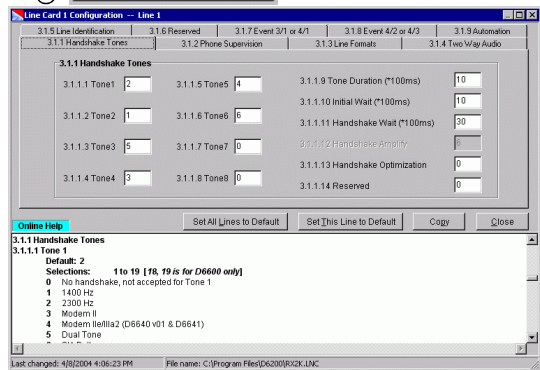
8. each of the boxes you are copying the line configuration to.

9. OK

10. Send to Receiver if no other line cards need to be modified.

11. OK
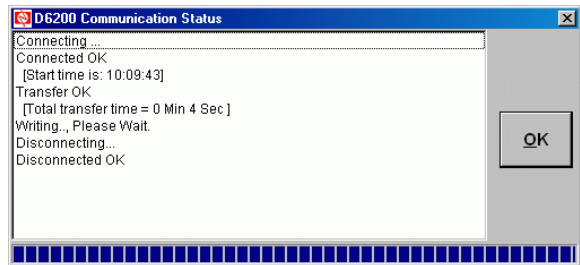
4.0   Host Programming

4.1   Programming Password (Reserved)

4.2   Host Phone Number (Reserved)

4.3   Modem Ready to Receive (Reserved)

4.4   Dialing (Reserved)

4.5   Parameters

4.5.1   COM4 Baud Rate

Default:	9
Selections:	9
9	38400

Fixed value.

4.5.2   COM4 Data Bit

Default:	8
Selections:	8

Fixed value.

4.5.3   COM4 Parity

Default:	0
Selections:	0 to 2
0	None
1	Even
2	Odd

Set the parity for COM4.

4.5.4   COM4 Stop Bit

Default:	1
Selections:	1 or 2

Select the stop bit value for COM4.

4.5.5   Modem Selection (Reserved Feature)

4.5.6   Reserved Feature

4.5.7   RS-232 Firmware Programming Enable

Default:	0
Selections:	0 or 1
0	Disables firmware programming, only enables parameter programming.
1	Enables firmware and parameters programming.

4.5.8   Remote Access Permission (Reserved Feature)

4.5.9   RS-232 Direct Access Permission

Default:	1
Selections:	0 or 1
0	Disable D6200 connection.
1	Enable D6200 connection.

5.0 Firmware Version

5.1 Checking CPU and Line Card Firmware Versions

There are two ways to check the firmware versions on the receiver.

- Use the D6200 programming software
- Use the receiver's keypad.

5.1.1 Checking Versions in the D6200 Programming Software

1.

| Administration | TeleCom | NetCom | System Management | Language | Help |

Download Event Database
Date/Time Synchronization
Firmware Version
Firmware Utilities

D6200 Communication Status

Connecting ...
Connected OK

Receiver CPU Version :01.01.04.42

Line Card 1 L1,2 DSP Version : 01.01.04
Line Card 1 L3,4 DSP Version : 02.00.00.51
Line Card 2 L5,6 DSP Version : N/A
Line Card 2 L7,8 DSP Version : N/A
Line Card 3 L9,10 DSP Version : N/A
Line Card 3 L11,12 DSP Version : N/A
Line Card 4 L13,14 DSP Version : N/A

OK

> The version numbers presented in this example are for illustration only and can differ from your receiver's version numbers.

2.   OK

5.1.2 Checking Versions from the D6600 Keypad

```
1 EVENT DATABASE
Welcome Manager...
```

1.   **D6600** ▼   4x

```
5 FIRMWARE VERSIONS
```

2.   **D6600** M/E

```
5.1 CPU Version
01.01.04.31 06-18-2002
```

3.   **D6600** ▼   Scroll down through the installed line cards (D6600 can have up to eight).

```
5.2 LC1 Line 1,2 Version
D6640:01.01.04.36
```

to

```
5.17 LC8 Line 31,32 Version
Not detected
```

4.   **D6600** ▼

```
5.18 Loaded Linecard Firmware
01010448, 020000051, [3 N/A], [4 N/A]
```
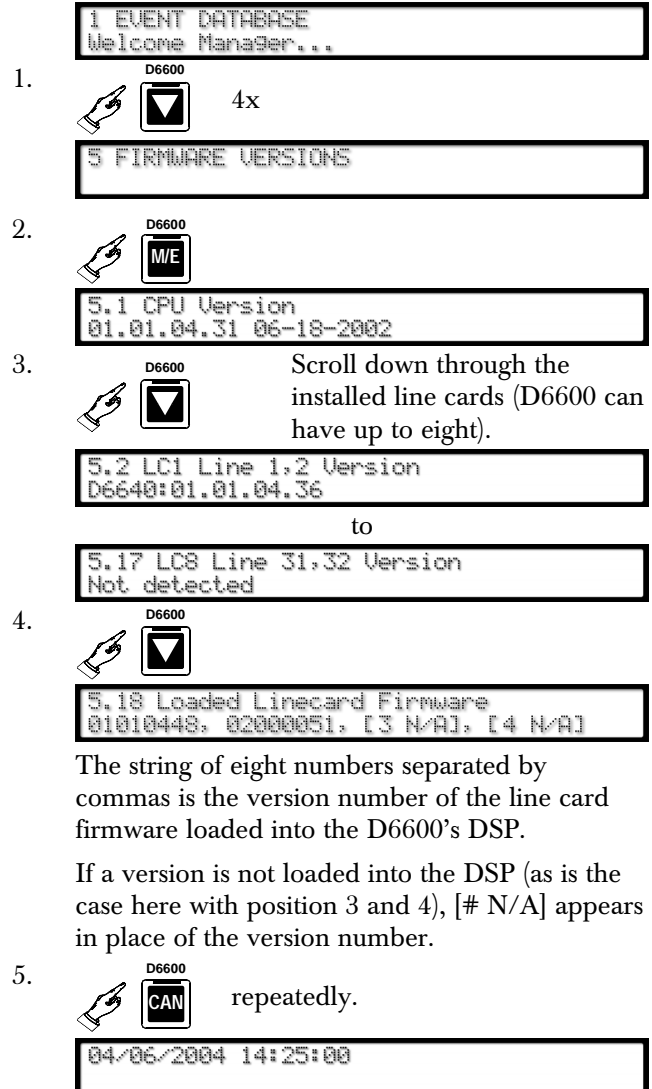
The string of eight numbers separated by commas is the version number of the line card firmware loaded into the D6600's DSP.

If a version is not loaded into the DSP (as is the case here with position 3 and 4), [# N/A] appears in place of the version number.

5.   **D6600** CAN   repeatedly.

```
04/06/2004 14:25:00
```

6.0   Network Configuration

6.1   COM4 Network Adapter

⚠ When COM4 is used to connect to a network adapter (*Menu Item 6.1.5 COM4 Network Adapter* must equal 1), program the following parameters. Parameters programmed in this section override other COM4 settings programmed in other sections.

6.1.1   COM4 Baud Rate

Default:	9
Selections:	9
9 38400	

This is a fixed value for the data transmission baud rate for COM4.

6.1.2   COM4 Data Bit

Default:	8
Selections:	8

Fixed value.

6.1.3   COM4 Parity

Default:	0
Selections:	0 to 2
0 None	
1 Even	
2 Odd	

Set the parity for COM4.

6.1.4   COM4 Stop Bit

Default:	1
Selections:	1 or 2

Select the stop bit value for COM4.

6.1.5   COM4 Network Adapter

Default:	0
Selections:	0 or 1
0 Disable COM4 Network Adapter connection.	
1 Enable COM4 Network Adapter connection.	

✅ When connecting to a network adapter, set this value to 1. When connecting the PC running the D6200 to RS-232, set this value to 0.

6.1.6   COM4 Network Encryption Enabled

Default:	0
Selections:	0 or 1
0 Disable COM4 Network Encryption	
1 Enable COM4 Network Encryption	

6.2   COM1 Network Adapter

When the optional COM1 port is used for connecting to a network adapter, program the following parameters.

6.2.1   COM1 Baud Rate

Default:	9
Selections:	9
9 38400	

This is a fixed value for the data transmission baud rate for COM1.

6.2.2   COM1 Data Bit

Default:	8
Selections:	8

Fixed value.

6.2.3   COM1 Parity

Default:	0
Selections:	0 to 2
0 None	
1 Even	
2 Odd	

Set the parity for COM1.

6.2.4   COM1 Stop Bit

Default:	1
Selections:	1 or 2

Select the stop bit value for COM1.

6.2.5   COM1 Network Adapter

Default:	0
Selections:	0 or 1

0	Disable COM1 Network Adapter connection.
1	Enable COM1 Network Adapter connection.

☑ When connecting to a network adapter, set this value to 1.

6.2.6   COM1 Network Encryption Enabled

Default:	0
Selections:	0 or 1

0	Disable COM1 Network Encryption.
1	Enable COM1 Network Encryption.

6.3   Network Automation Connection

This section details connecting the D6600 receiver to the network using the COM4 port.

⚠ Parameters programmed in this section override other COM3 settings programmed in other sections.

☑ If the PC running the automation software is using DHCP to get an IP Address, the server might change the IP address. If this occurs, the automation software can no longer communicate with the receiver until the receiver is programmed with the new IP address assigned to the automation PC. To avoid this, use a static IP address for the PC running the automation software.

6.3.1   IP Address

Selections:	(xxx).(xxx).(xxx).(xxx)

The IP Address of the computer running the automation software. The IP Address must be set to a unique value in order to identify it from other stations in the network.

☑ Use any alphabetic key (A to F) to add a decimal point (.) when programming IP addresses from the D6600 user interface keypad.

6.3.2   Port (Reserved Feature)

Default:	10000
Selections:	1 to 65535

☑ Typically, the port numbers 0 to 1023 are reserved in UNIX systems for specific applications. Use numbers ranging from 2000 to 30000 to avoid conflicts.

6.3.3   Polling Interval

Default:	30
Selections:	0 to 255

Designate the polling interval in seconds to the automation software.

6.3.4   Retry Number

Default:	4
Selections:	0 to 5

Select the number of retransmission attempts in case of communications trouble.

6.3.5   ACK Wait

Default:	04
Selections:	01 to 60

Enter the time (in seconds) the D6600 waits for the ACK message from the automation software.

6.3.6   Network Automation Output Format

Default:	0
Selections:	0 to 2

0	Disable network automation output.
1	D6500 Mode automation output.
2	SIA Mode automation output.

☑ If after selecting an automation output, you decide to disable automation (select 0), reboot the receiver for proper operations.

Selection 0 completely disables automation output when *Menu Item 6.3.7 Device* is set to 1.

6.3.7   Device

Default:	2
Selections:	1 or 2

1	Use Network Automation.
2	Use COM3 RS-232 automation.

☑ *Menu Item 6.3.7* must be set to 1 to use network automation

6.4 D6200 Network Connection

Connect the D6200 software to the network through the COM4 or COM1 port.

One receiver can communicate with three different PCs running the D6200 Programmer Software.

6.4.1 IP Address 1

Selections:	(xxx).(xxx).(xxx).(xxx)

This entry is the first IP Address of the computer running the D6200 software. Set the IP Address to a unique value to distinguish it from other stations in the network. This value must match the D6200 software network settings.

Use an alphabetic key (A to F) to add a decimal point (.) when programming IP addresses from the D6600 user interface keypad.

6.4.2 IP Address 2

Selections:	(xxx).(xxx).(xxx).(xxx)

This entry is the second IP Address of the computer running the D6200 software. Set the IP Address to a unique value to distinguish it from other stations in the network. This value must match the D6200 software network settings.

Use an alphabetic key (A to F) to add a decimal point (.) when programming IP addresses from the D6600 user interface keypad.

6.4.3 IP Address 3

Selections:	(xxx).(xxx).(xxx).(xxx)

This entry is the third IP Address of the computer running the D6200 software. Set the IP Address to a unique value to distinguish it from other stations in the network. This value must match the D6200 software network settings.

Use an alphabetic key (A to F) to add a decimal point (.) when programming IP addresses from the D6600 user interface keypad.

6.4.4 Port (Reserved Feature)

Default:	10000
Selections:	1 to 65535

Typically, the port numbers 0 to 1023 are reserved in UNIX systems for specific applications. Use numbers ranging from 2000 to 30000 to avoid conflicts.

6.4.5 Network Programming Enable

Default:	0
Selections:	0 or 1

0	Disable network programming.
1	Enable network programming.

Use the D6200 to program the D6600 CPU, line card and other network communication parameters through the network connection.

6.4.6 Network Report Enable (Reserved Feature)

6.5 Network Printer (Reserved)

Print reports through the COM4 network connection rather than sending reports to the external parallel port printer.

6.5.1 IP Address

Selections:	(xxx).(xxx).(xxx).(xxx)

This entry is the unique IP Address of the network printer. Set the IP Address to a unique value to distinguish it from other stations in the network.

Use an alphabetic key (A to F) to add a decimal point (.) when programming IP addresses from the D6600 user interface keypad.

6.5.2 Port (Reserved Feature)

Default:	10000
Selections:	1 to 65535

Typically, the port numbers 0 to 1023 are reserved in UNIX systems for specific applications. Use numbers ranging from 2000 to 30000 to avoid potential conflicts.

6.5.3   Device

Default:	0
Selections:	0 or 1

0	Always Off: Device is disabled. No reports are sent to this device.
1	Always On: All reports go to this device whether functional or not.

6.6   Event 3-1 OR 4-1

The D6200 Programming Software can only program Events 3-1 and 4-1. *Table 12* shows programmed event codes and corresponding descriptions.

Table 12: Event 3-1 or 4-1 (Network Configuration)

Event Code	Description
A	ALARM
R	RESTORE
O	OPEN
C	CLOSE
T	TROUBLE
\	CANCEL
Other	ALARM

6.6.1   Event 3-1 – Digit 0

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.2   Event 3-1 – Digit 1

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.3   Event 3-1 – Digit 2

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.4   Event 3-1 – Digit 3

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.5   Event 3-1 – Digit 4

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.6   Event 3-1 – Digit 5

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.7   Event 3-1 – Digit 6

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.8   Event 3-1 – Digit 7

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.9   Event 3-1 – Digit 9

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.10   Event 3-1 – Digit 9

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.11   Event 3-1 – Digit A

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.12   Event 3-1 – Digit B

Default:	O
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.13   Event 3-1 – Digit C

Default:	C
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.14   Event 3-1 – Digit D

Default:	\
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.15   Event 3-1 – Digit E

Default:	R
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.6.16   Event 3-1 – Digit F

Default:	T
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7   4-2 OR 4-3

6.7.1   Event 4-2 – Digit 0

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.2   Event 4-2 – Digit 1

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.3   Event 4-2 – Digit 2

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.4   Event 4-2 – Digit 3

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.5   Event 4-2 – Digit 4

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.6   Event 4-2 – Digit 5

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.7   Event 4-2 – Digit 6

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.8   Event 4-2 – Digit 7

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.9   Event 4-2 – Digit 8

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.10   Event 4-2 – Digit 9

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.11   Event 4-2 – Digit A

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.12   Event 4-2 – Digit B

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.13   Event 4-2 – Digit C

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.14   Event 4-2 – Digit D

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.15   Event 4-2 – Digit E

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.7.16   Event 4-2 – Digit F

Default:	A
Selections:	0 to 9, A to Z, or \

Refer to *Table 12* for details.

6.8   Global Parameters

6.8.1   C900 Fallback Reminder

Default:	1
Selections:	0 or 1

Set this option to 1 to generate a reminder message to the printer and automation software every 30 min the C900 is in Fallback Mode until the C900 returns to the Intercept Mode. The C900 must be in the Intercept Mode for network communication.

6.8.2   Substitution Monitor

Default:	3
Selections:	0 to 9
0	Use to disable the Substitution monitor and *Menu Item 6.8.3 Disable Account by Substitution.*
1 to 9	Number of consecutive error packages sent before a Substitution Alarm event is generated.

Programming the substitution monitor allows the D6600 to identify whether an alarm is real or a trick by someone sending a recording of a valid control panel signal.

6.8.3   Disable Account by Substitution

Default:	20
Selections:	0 to 99
0	Disable this function
1 to 10	10 times
11 to 99	Selected times

Use this option to auto disable the trouble accounts after the selected number of consecutive error packages is received. This prevents attacks by continuously sending invalid packages to the central station.

6.8.4   Virtual Account Replacement

Default:	1
Selections:	0 to 2
0	Disable Virtual Account Replacement
1	Enable Virtual Account replacement only for events generated by the D6600 NetCom firmware, such as account Comm Restore/Comm Fail events.
2	Enable Virtual Account Replacement for all NetCom events

6.8.5   NetCom Naming Convention (NNC) Enabled

Default:	0
Selections:	0 or 1
0	Disable NNC Mode
1	Enable NNC Mode

NNC Mode allows the field devices (control panels with a C900, DX4020, or D9133) to operate over the network without assigning a static IP address to the device. The D9412G/D7412G/D7212G/D9412/D7412/D9112/D7212 Control Panels with a D9133/DX4020 use the Area 1 account number (up to eight digits) to identify its location on the network. Any dialer with a C900 (version 1.10 or greater) uses a hard coded eight-digit serial number from the C900 to identify its location on the network.

This is necessary if multiple field devices must communicate through a single firewall to a D6600.

> This option can be enabled (1) only when the D6600 works in NNC Mode. *Menu Item 6.8.5* must be set to a 1.
>
> *Menu Items 6.3.2* and *6.4.4* must be enabled to allow port input.

6.8.6   D6600 Datagram Type

Default:	0
Selections:	0 or 1
0	Datagram Type 00
1	Datagram Type 02

If enabled here and in the D6680, the D6600 uses the IP address and account number of the 9000 Series Control Panel or the serial number of the C900TTL and the port number to identify where the signal originated. This is necessary if multiple field devices must communicate through a single firewall to a D6600.

> ☑ This option can be enabled (1) only when the D6600 works in NNC Mode. *Menu Item 6.8.5* must be set to a 1.
>
> *Menu Items 6.3.2* and *6.4.4* must be enabled to allow port input.
>
> This requires a CoBox-FL for the D6680 programmed with a Datagram Type of 02. Refer to *Section 3.3* in the *D6600 NetCom System Guide* (P/N: 4998122712).

7.0   Database Configuration

The D6200 software and D6600 receiver use four types of databases:

- NetCom Account Database
- Caller ID Database (accessible only through the D6200 software)
- DNIS Database (accessible only through the D6200 software)
- Event Database

Refer to the *D6200 Operation and Installation Guide* (P/N: 4998154991) for more information.

8.0   Registered Accounts

Shows the maximum number of accounts and the current number of accounts in the D6600 Receiver.

9.0   Exit Menu

Exits the receiver from the menu options and returns the receiver to normal operation.

Appendix A: Important Information

Table 13: Important Information				
Receiver Number:				
Line Phone Numbers and Other Notes:	Slot 1/Line 1 (L01)	_____	Slot 5/Line 1 (L17)	_____
	Slot 1/Line 2 (L02)	_____	Slot 5/Line 2 (L18)	_____
	Slot 1/Line 3 (L03)	_____	Slot 5/Line 3 (L19)	_____
	Slot 1/Line 4 (L04)	_____	Slot 5/Line 4 (L20)	_____
	Slot 2/Line 1 (L05)	_____	Slot 6/Line 1 (L21)	_____
	Slot 2/Line 2 (L06)	_____	Slot 6/Line 2 (L22)	_____
	Slot 2/Line 3 (L07)	_____	Slot 6/Line 3 (L23)	_____
	Slot 2/Line 4 (L08)	_____	Slot 6/Line 4 (L24)	_____
	Slot 3/Line 1 (L09)	_____	Slot 7/Line 1 (L25)	_____
	Slot 3/Line 2 (L10)	_____	Slot 7/Line 2 (L26)	_____
	Slot 3/Line 3 (L11)	_____	Slot 7/Line 3 (L27)	_____
	Slot 3/Line 4 (L12)	_____	Slot 7/Line 4 (L28)	_____
	Slot 4/Line 1 (L13)	_____	Slot 8/Line 1 (L29)	_____
	Slot 4/Line 2 (L14)	_____	Slot 8/Line 2 (L30)	_____
	Slot 4/Line 3 (L15)	_____	Slot 8/Line 3 (L31)	_____
	Slot 4/Line 4 (L16)	_____	Slot 8/Line 4 (L32)	_____
Phone Line Repair:				
Monitoring Facility Manager:				

BOSCH

Bosch Security Systems
130 Perinton Parkway
Fairport, NY 14450-9199
Customer Service: (800) 289-0096
Technical Support: (888) 886-6189

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