Conettix D6600/D6100IPv6

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Receiver Keypad Operations Legend

Press a button on the keypad.

D6600 **D6100IPv6**
M/E ENTER — Enter keys

D6600 **D6100IPv6**
M/E MENU — Menu keys

D6600 **D6100IPv6**
CAN CANCEL — Cancel keys

D6600 **D6100IPv6**
▲ △ — Up arrow keys
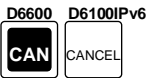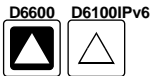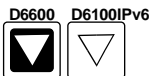
D6600 **D6100IPv6**
▼ ▽ — Down arrow keys

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.

Referenced Documentation

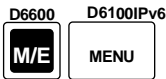| Table 1: Referenced Conettix Documentation	
Document Name	**Part Number**
Conettix D6600/D6100IPv6 Operation and Installation Guide	4998122704
Conettix D6600/D6100 IPv6 Computer Interface Manual	4998122703
Conettix D6200 Operation and Installation Guide	4998154991

UL 864 Required Settings

Notice to users, installers, authorities having jurisdiction (AHJ), and other involved parties: This product incorporates field-programmable software. In order for the product to comply with the requirements in the Standard for Control Units and Accessories for Fire Alarm Systems, UL 864, certain programming features or options must be limited to specific values or not used at all as indicated:

Programming Option	Possible Settings	Settings permitted in UL864
Buzzer	– **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	– **3:** Buzzer on for new events when the automation link fails or any system trouble conditions occur.
Busy Seconds Reports	– **0:** No Busy Seconds Reports – **1:** Busy Seconds Reports for UL applications	– **1:** Busy Seconds Reports for UL applications
External Parallel Printer	– **1: Primary:** All reports go to this device – **2: Secondary:** Reports go to this device only after all primary devices fail – **3: Always On:** All reports go to this device whether or not it is functional – **4: Always Off:** Device is disabled. No reports sent to this device	– **3: Always On:** All reports go to this device whether or not it is functional
Line Sniff	– **0:** Disable phone line supervision – **1:** Enable phone line supervision – **2:** Disable phone line supervision and disable Busy Seconds Report	– **1:** Enable phone line supervision
CPU Programmable Input 1	– **0:** The UPS AC Lost signal or the Low Battery signal is not monitored – **1:** Monitoring the UPS AC Lost signal – **2:** Monitoring the UPS Low Battery signal	**D6600:** – **1:** Monitoring the UPS AC Lost signal **D6100IPv6:** – **Battery connected:** Setting not required – **Battery not connected:** 1: Monitoring the UPS AC Lost signal
CPU Programmable Input 2	– **0:** The UPS AC Lost signal or the Low Battery signal is not monitored – **1:** Monitoring the UPS AC Lost signal – **2:** Monitoring the UPS Low Battery signal	**D6600:** – **2:** Monitoring the UPS Low Battery signal **D6100IPv6:** – **Battery connected:** Setting not required – **Battery not connected:** 2: Monitoring the UPS Low Battery signal
Duration (Two-Way Audio)	– **0 to 15**	– **0:** Disabled
Battery Supervision	– **0:** The UPS AC Lost signal or the Low Battery signal is not monitored – **1:** Monitoring the UPS AC Lost signal	**D6600:** – **0:** Battery is not supervised (UPS is required) **D6100IPv6 (when battery is used):** – **1:** Battery is supervised

Contents

1.0 Event Database

The Event Database stores all trouble conditions and alarm messages that occur in the D6600/D6100IPv6. The maximum number of events stored in the database is 20,000 for the D6600 and 2000 for the D6100IPv6.

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
```

```
Enter Password: _
```
Enter password.

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

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

> The System Trouble LED flashes ON and OFF to indicate that you entered the programming mode. The System Trouble LED continues flashing until you exit the programming mode.

1.1 Display Sort by Time/Date

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

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

```
1.1 Display Sort by Time/Date
Input Event Buffer No# [1..20000]:
```
Enter the event number (from 1 to 20000).

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

See the expanded message if the stored event has multiple lines of text.

Select another message.

The last message in the database appears.

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

repeatedly.

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

1.2 Display Current System Troubles

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

```
1.2 Display Current System Troubles
```

```
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.

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

Scroll back through the trouble conditions.
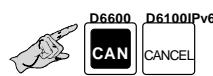
repeatedly.

```
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 default passwords.

2.1.1   Manager Password
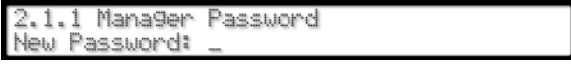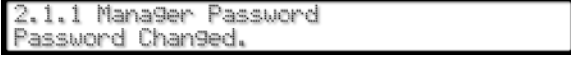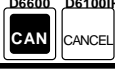
Default (D6600):	6600
(D6100IPv6):	6100

The manager has full access to all programming options.

The D6600/D6100IPv6 LCD shows:

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

To change the password:

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

1.   D6600 [▼] D6100IPv6 [▽]

```
2 CPU CONFIGURATION
```

2.   D6600 [M/E] D6100IPv6 ENTER

```
2.1 Change Passwords
```

3.   D6600 [M/E] D6100IPv6 ENTER

```
2.1.1 Manager Password
```

4.   D6600 [M/E] D6100IPv6 ENTER

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

5.   Enter the new password.

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

6.   D6600 [M/E] D6100IPv6 ENTER

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

7.   D6600 [CAN] D6100IPv6 CANCEL

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

2.1.2   Supervisor Password 1

Default (D6600):	6601
(D6100IPv6):	6101

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 (D6600):	6602
(D6100IPv6):	6102

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

2.1.4   Supervisor Password 3 (D6600 Only)

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 (D6600 Only)

Default:	1234

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

2.1.9   Operator Password 5 (D6600 Only)

Default:	1234

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

2.1.10   Operator Password 6 (D6600 Only)

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   D6100IPv6
▼      ▽
```
```
2 CPU CONFIGURATION
```

2.
```
D6600   D6100IPv6
M/E    ENTER
```
```
2.2 Global
```

3.
```
D6600   D6100IPv6
M/E    ENTER
```
```
2.2.1 Time Setup
Current Setting [14:08:26]
```

4.
```
D6600   D6100IPv6
M/E    ENTER
```
```
Set Time (14:11:42)
(HH:MM:SS) _ : :
```
Enter the current time.

5.
```
D6600   D6100IPv6
M/E    ENTER
```
```
2.2.1 Time Setup
New Time Set...
```
```
2.2.1 Time Setup
Current Setting [14:08:26]
```
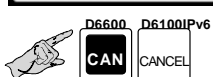
6.
```
D6600   D6100IPv6
CAN    CANCEL
```
```
04/06/2004 14:25:00
```

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   D6100IPv6
▼      ▽
```
```
2 CPU CONFIGURATION
```

2.
```
D6600   D6100IPv6
M/E    ENTER
```
```
2.2 Global
```

3.
```
D6600   D6100IPv6
M/E    ENTER
```
```
2.2.2 Date Setup
Current Setting [06/25/02]
```

4.
```
D6600   D6100IPv6
M/E    ENTER
```
```
Set Date (06/25/02)
(MM-DD-YY) _ - -
```
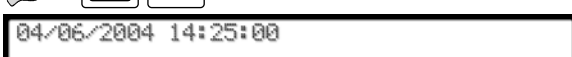
5. Enter the current date.
```
D6600   D6100IPv6
M/E    ENTER
```
```
2.2.2 Date Setup
New Date Set...
```
```
2.2.2 Date Setup
Current Setting [06/25/02]
```

6.
```
D6600   D6100IPv6
M/E    ENTER
```
```
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/D6100IPv6 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 work only 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 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.7   Line Card 2, Line 5, 6 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.8   Line Card 2, Line 7, 8 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.9   Line Card 3, Line 9, 10 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.10   Line Card 3, Line 11, 12 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.11   Line Card 4, Line 13, 14 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.12   Line Card 4, Line 15, 16 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.13   Line Card 5, Line 17, 18 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.14   Line Card 5, Line 19, 20 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.15   Line Card 6, Line 21, 22 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.16   Line Card 6, Line 23, 24 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.17   Line Card 7, Line 25, 26 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.18   Line Card 7, Line 27, 28 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.19   Line Card 8, Line 29, 30 (D6600 Only)

Default:	0
Selections:	0 or 1

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

2.2.20   Line Card 8, Line 31, 32 (D6600 Only)

Default:	0
Selections:	0 or 1

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

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/D6100IPv6 Operation and Installation Guide* (P/N: 4998122704).

2.2.24 Report Grouping

Default:	0
Selections:	0 or 1

0	Prints messages as the D6600/D6100IPv6 processes them.
1	Stores messages, then prints when the D6600/D6100IPv6 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/D6100IPv6 sends the group of messages from the same call to the reporting devices. Report Grouping prints messages in the order the D6600/D6100IPv6 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/D6100IPv6 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/D6100IPv6 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.

The D6600/D6100IPv6 is connected to an uninterruptible power supply (UPS), and monitors the AC Lost signal and the Low Battery signal supplied by the UPS.

Refer to *Input and Output Ports* in the *D6600/D6100IPv6 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.

The D6600/D6100IPv6 is connected to an uninterruptible power supply (UPS), and monitors the AC Lost signal and the Low Battery signal supplied by the UPS.

Refer to *Input and Output Ports* in the *D6600/D6100IPv6 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   Time Zone

Default:	0
Selections:	-12 to +14

Enter the offset from UTC for the Time Zone that the receiver is located in. For example, -5 for the Eastern Time Zone in the US.

Time Zone is the offset from Coordinated Universal Time (UTC) by a whole number of hours.

2.2.33   External Parallel Printer

The D6600/D6100IPv6 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 (D6600 Only)

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. **Example:** 001234 becomes 1234 **Example:** 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 (D6600 Only)*on page 34), 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 in the account number. Example: 000123 is 0123 0000012345 is 12345

2.2.39   DST Start Week

Default:	0
Selections:	MMWW

0	DST is disabled

Input the 4 digit number of month (MM) and the week (WW) of the month that Daylight Saving Time (DST) starts each year. It takes effect on Sunday of that week at 2:00am.

For example, 0302 means DST starts on Sunday at 2:00am in the second week of March and the clock will be adjusted to 3:00am.

2.2.40   DST End Week

Default:	0
Selections:	MMWW

0	DST is disabled

Input the 4 digit number of month (MM) and the week (WW) of the month that Daylight Saving Time (DST) ends each year. It takes effect on Sunday of that week at 2:00am if Country Code (2.2.3) is set to a 1 or at 3:00am if Country Code is set to a 2.

For example, 1101 means DST ends on Sunday in the first week of November at 2:00am or 3:00am depending upon the setting of 2.2.3.

2.3   Line Group

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

☑ ULC requires the following:

If the lines (numbers) are in a single hunt group (refer to the definition in CAN/ULC-S304-06), they shall be individually accessible; otherwise, separate hunt groups shall be required. These lines shall be used for no other purpose than receiving signals from a digital alarm communicator transmitter. These lines (numbers) shall be unlisted.

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*
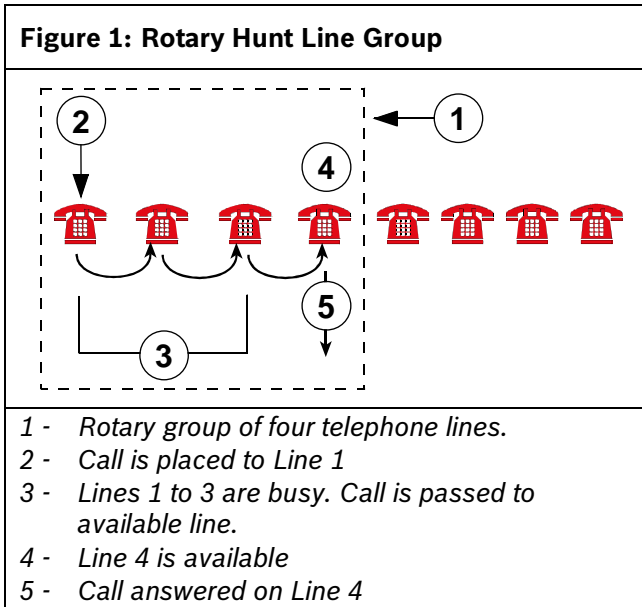
Phone Calls to a Line Group

Figure 1 shows how 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 control 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/D6100IPv6 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/D6100IPv6 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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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) (D6600 Only)

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   COM3 Automation Configuration

The program items in the following section are used to configure the input and output format for the D6600/D6100IPv6 when a computer automation system is connected to the COM3 of the D6600/D6100. Refer to the *D6600/D6100IPv6 Computer Interface Manual* (P/N: 4998122703).

> ☑ Menu Item *6.3.7 Device* on page 43 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.

2.4.1   Retry Number

Default:	3
Selections:	0 to 5

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

2.4.2   Baud Rate

Default:	4
Selections:	1 to 9
1	110 (D6600 only)
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.

2.4.3   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 2.4.8 Header* on page 17 and *Menu Item 2.4.9 Trailer* on page 17 selections are limited to 00 to 7F (7F is the maximum limit of Data Bit 7).

2.4.4   Parity

Default:	0
Selections:	0 to 2

0	None
1	Even
2	Odd

Set the parity for the COM3 port.

2.4.5   Stop Bit

Default:	1
Selections:	1 or 2

Select the stop bit value for the COM3 port.

2.4.6   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.

2.4.7   Automation Wait

Default:	04
Selections:	01 to 60

Enter the amount of time in seconds the D6600/D6100IPv6 waits for the ACK message from the automation system PC.

2.4.8   Header

Default:	00
Selections:	00 to FF

00	No header character output.

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

2.4.9   Trailer

Default:	14
Selections:	01 or FF

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

2.4.10   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 also to the *D6600/D6100IPv6 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.

2.4.11   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 also to the *D6600/D6100IPv6 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/D6100IPv6 presents BFSK, or Modem IIe and Modem IIIa^2 fire messages to the automation PC (see *Table 3*). This entry has no affect on how the messages print.

Table 3:   BFSK, Modem IIe/IIIa^2, or Modem4 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	h1rr1sssssaaaasFssszt	h1rr1sssssaaaasAssszt	hlrrlsssssssaaaasFspppt	hlrrlssssssaaaasAspppt
FIRE ALARM (Cross Point)			hlrrlssssssaaaasFspppt	hlrrlsssssssaaaasAspppt
FIRE SUPRVISION			hlrrlssssssaaaaGsspppt	hlrrlssssssaaaasTspppt
FIRE TROUBLE	h1rr1sssssaaaaGsssszt	h1rr1sssssaaaasTssszt	hlrrlssssssaaaaGsspppt	hlrrlssssssaaaasTspppt
FIRE ALM RESTOR			hlrrlssssssaaaaHsspppt	hlrrlsssssssaaaasRspppt
FIRE TBL RESTOR	h1rr1sssssaaaaHssszt	h1rr1sssssaaaasRssszt	hlrrlssssssaaaaHsspppt	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]

2.4.12 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 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/D6100. 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 effect 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|NriaF Rppp]	<header>[#aaaa|NriaF Hppp]
FIRE TBL RESTOR	<header>[#aaaa|NriaF Rppp]	<header>[#aaaa|NriaF Jppp]

2.4.13 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.

2.4.14 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.

2.4.15 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 43.

2.4.16 SFSK1 Output

Default:	**0**
Selections:	**0 to 1**

0	Send the SFSK 1 (*Table 7* on page 21) 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	

2.4.17 Format ID (D6600 Only)

Default:	0
Selections:	0 or 1

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

Table 8: D6500 Automation Mode		
Output Format	**Message Type**	**Format(s)**
2.5.17=0		
6500	1	3-1, 4-1, 4-2 single round, double round, extended pulse formats, BFSK, Modem II, Modem IIIa²TM, Link Test, Text Message, Internal Message, Silent Knight FSK 0, Varitech FSK 4-1, Varitech FSK 4-2
SIA	<TAB> (09 Hex)	3-1, 4-1, 4-2 single round, double round, extended pulse formats, BFSK, Modem II, Modem IIIa²TM, Link Test, Caller ID, Internal messages, Silent Knight FSK 0, Varitech FSK 4-1, Varitech FSK 4-2, SIA
D6500 and SIA	7	Sescoa Super Speed
	9	Acron Super Fast
	a	Ademco Contact-ID
	b	Ademco 4-1 Express
	c	Ademco 4-2 Express
	d	DSC/Sur-Gard 4-3, DTMF 4-1, 4-2
	e	Caller ID
	f	Ademco High Speed/Scancom 4-8-1,5-8-1, and 6-8-1
	g	Scancom 4-16-1, 5-16-1, and 6-16-1
	h	Scancom 4-24-1, 5-24-1, and 6-24-1
	i	CFSK
	j	Robofon
	k	Seriee FSK
	l	Seriee DTMF
	m	Silent Knight FSK 1 ,Silent Knight FSK 2
	n	Telim
	F	FBI Super Fast
	I	ITI
	S	SIA, ADT SIA
2.5.17=1		
D6500	1	Link Test
D6500	3	Text Message
D6500	S	SIA
SIA	<TAB> (09 Hex)	Link Test, SIA
D6500 and SIA	7	Sescoa Super Speed
	9	Acron Super Fast
	a	Ademco Contact-ID
	b	Ademco 4-1 Express
	c	Ademco 4-2 Express
	d	DSC/Sur-Gard 4-3

Output Format	Message Type	Format(s)
	e	Caller ID
	f	Ademco High Speed/Scancom 4-8-1,5-8-1, and 6-8-1
	g	Scancom 4-16-1, 5-16-1, and 6-16-1
	h	Scancom 4-24-1, 5-24-1, and 6-24-1
	i	CFSK
	j	Robofon
	k	Seriee FSK
	m	Silent Knight FSK 1 ,Silent Knight FSK 2
	n	Telim
	p	Pulse 3-1/3-1E
	q	Pulse 3-2
	r	Pulse 4-1/4-1E
	s	Pulse 4-2
	t	DTMF 4-1
	u	DTMF 4-2
	v	Varitech FSK 4-1,Varitech FSK 4-2
	A	Modem IIIa^{2}TM
	B	Modem II
	C	BFSK
	E	Silent Knight FSK 0
	F	FBI Super Fast
	G	ADT SIA
	I	ITI
	K	S

Refer to *Appendix F* of the *D6600/D6100IPv6 Computer Interface Manual* (P/N: 4998122703) for more information.

For the D6500 Automation Mode, the first character of the output string is the Message Type. If a header character exists, it is the second character. For SIA Automation Mode, the Message Type is the seventh character in the output string. For more information, refer to *Table 8* on page 22.

2.5   Return CPU Configuration to Default

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

1.

D6600   D6100IPv6

[M/E] [ENTER]

```
1 EVENT DATABASE
```

2.

D6600   D6100IPv6

[▼] [▽]

```
2 CPU CONFIGURATION
```

3.

D6600   D6100IPv6

[M/E] [MENU]

```
2.1 Change Passwords
```

4.

D6600   D6100IPv6

[▼] [▽]   5x

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

5.

D6600   D6100IPv6

[M/E] [MENU]

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

D6600   D6100IPv6

[0] [0]

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

D6600   D6100IPv6

[1] [1]

Exit from this option without changing the current CPU configurations.

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

6.

D6600   D6100IPv6

[CAN] [CANCEL]   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 D6X41)
5	Dual Tone
6	SIA Bell
7	1600 Hz ScanCom (D6X41 only)
8	ITI (D6640 v.02 .XX.XX and D6X41)
9	Robofon (D6X41 only)
10	Seriee FSK (D6X41 only)
11	Seriee DTMF (D6X41 only)
12	CFSK Bell (D6X41 only)
13	TELIM (D6X41 only)
14	SIA V.21 (D6X41 only)
15	CFSK V.21 (D6X41 only)
16	SIA ADT (D6X41 only)
17	Double Dual Tone
D6600 only	
18	VONK (D6641 only)
19	Modem IId (D6641 only)
20	RB2000 (D6641 only)
21	Dual Tone/1000 Hz (D6641 only)
22	ScanCom Pulse 1600 Hz Handshake/ACK (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 24 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 24 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 24 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 24 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 24 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 24 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 24 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/D6100IPv6 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 24 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 online time of dialers.

✓ For handshake optimization to work, *Menu Item 3.1.5.1 Caller ID* on page 34 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 from which the control panel called and the handshake to which the control panel responded. 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 either red or yellow, 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/D6100IPv6 Operation* in the *D6600/D6100IPv6 Operation and Installation Guide* (P/N: 4998122704). Set the Line Sniff to 1 when used in UL Listed central stations.

Table 9: 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 31).

3.1.2.3 Ring Count

Default:	1
Selections:	1 to 9

The number of rings detected before the D6600/D6100IPv6 answers the line. If Caller ID is being used, this parameter may need to be set to a 2 for proper operation in some cases

3.1.3   Line Formats
3.1.3.1 Five Digits

Default:	4
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/D6100IPv6 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/D6100IPv6 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 35 through *Menu Item 3.1.7.16 Event 3-1 − Digit F* on page 35).	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, the event code is selected from Event 3-1 (*Menu Item 3.1.7.1 Event 3-1 − Digit 0* on page 35 through *Menu Item 3.1.7.16 Event 3-1 − Digit F* on page 35). 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 35 through *Menu Item 3.1.7.16 Event 3-1 − Digit F* on page 35).	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/D6100IPv6 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 an 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/D6100IPv6 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 35 through *Menu Item 3.1.7.16 Event 3-1 – Digit F* on page 35).	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 35 through *Menu Item 3.1.7.16 Event 3-1 – Digit F* on page 35). 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 35 through *Menu Item 3.1.7.16 Event 3-1 – Digit F* on page 35).	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/D6100IPv6 translates these messages to the Ademco High Speed format.

Table 10: 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 12* on page 35 and *Table 13* on page 44) 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 unconverted 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.

3.1.3.18 SIA Acknowledge

Default:	0
Selections:	0 or 1

0	Enable both Data and Tonal acknowledge.
1	Enable only Tonal acknowledge.

Use this option to select which kind of SIA acknowledge is enabled.

3.1.3.19 Support High Speed/ScanCom Formats

Default:	0
Selections:	0 or 1

0	Enable
1	Disable

Use this option to enable or disable High Speed/ScanCom formats.

3.1.3.20 GSM/VoIP Compensation

Default:	0
Selections:	0 or 1

This option improves DTMF format communications by analyzing the event message without timing restrictions to support GSM/VoIP communication path differences. Current supported formats are Contact-ID, 4-1 Express and 4-2 Express.

0	Disable GSM/VoIP Compensation
1	Enable GSM/VoIP Compensation

3.1.4   Two-Way Audio

D6600 Two-Way Audio (TWA) verification is fully supported using the D6641 Line Card. The D6640 does not support options 3.1.4.21 Audio Event, 3.1.4.22 Audio Zone, or protocol-specific audio events used in SIA and Contact ID.

3.1.4.1 Duration

Default:	0
Selections:	0 to 15

The amount of time the D6600/D6100IPv6 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/D6100IPv6 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/D6100IPv6 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 33*. Entries in *Menu Item 3.1.4.18 Flash (x* `100ms)` *on page 33* and *Menu Item 3.1.4.19 Transfer Phone* `Number` are necessary for this to happen.

- **Hold:** The D6600/D6100IPv6 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 33* is necessary for this to occur.

- *Duration:* The D6600/D6100IPv6 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*

> ☑ D6600 Two-Way Audio (TWA) verification is fully supported using the D6641 Line Card. The D6640 does not support options 3.1.4.21 Audio Event, 3.1.4.22 Audio Zone, or protocol-specific audio events used in SIA and Contact ID.

- 3.1.4.1 *Duration* is necessary for this to occur.

The D6600/D6100IPv6 performs only 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
0	Disables account digit
1	Enables account digit

3.1.4.4 Account Digit 2

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.5 Account Digit 3

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.6 Account Digit 4

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.7 Account Digit 5

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.8 Account Digit 6

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.9 Account Digit 7

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.10 Account Digit 8

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.11 Account Digit 9

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.12 Account Digit A

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.13 Account Digit B

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.14 Account Digit C

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.15 Account Digit D

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.16 Account Digit E

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* for programming options.

3.1.4.17 Account Digit F

Default:	0
Selections:	0 or 1

Refer to *Menu Item 3.1.4.3 Account Digit 1* on page 32 for programming options.

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, 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 (D6600 Only)

Default:	Unchecked
Selections:	0123456789ABCDEF

The receiver selects the alarm event codes and controls what signals are enabled for two-way audio (*Table 11*). 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 (D6600 Only)* for enhanced alarm filtering.

3.1.4.22 Audio Zone (D6600 Only)

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 (D6600 Only)* for enhanced alarm filtering.

Two-Way Audio (TWA) Example

Table 11: 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 11'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 3

0	Disable Caller ID.
1	Output Caller ID to Automation and Printer.
2	Output Caller ID to Printer only.
3	Output Caller ID to Automation and Printer only on No Data Received or Data Error.

☑ Caller ID still appears at the LCD when 1, 2, or 3 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 (D6600 Only)

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 (D6600 Only)

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

3.1.5.5 DNIS Digits

Default:	0
Selections:	0 to 11

Use this option to set allowed DNIS digits. This option works with Options 3.1.5.3 DNIS and 3.1.5.4 ANI to prevent invalid DNIS/ANI signals.

0	No preset DNIS digits. Auto identify according to Option 3.1.5.3 and 3.1.5.4
1 to 4	4 DNIS digits
5 to 11	The number of allowed DNIS digits

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 12* shows the programmed event codes and corresponding descriptions (in English).

Table 12: 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 Event 3-1 or 4-1*.

3.1.7.2 Event 3-1 – Digit 1

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

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

3.1.7.3 Event 3-1 – Digit 2

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

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

3.1.7.4 Event 3-1 – Digit 3

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

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

3.1.7.5 Event 3-1 – Digit 4

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.7.6 Event 3-1 – Digit 5

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.7.7 Event 3-1 – Digit 6

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.7.8 Event 3-1 – Digit 7

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.7.9 Event 3-1 – Digit 8

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.7.10 Event 3-1 – Digit 9

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.7.11 Event 3-1 – Digit A

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.7.12 Event 3-1 – Digit B

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.7.13 Event 3-1 – Digit C

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.7.14 Event 3-1 – Digit D

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.7.15 Event 3-1 – Digit E

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.7.16 Event 3-1 – Digit F

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

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 Event 3-1 or 4-1* on page 34.

3.1.8.2 Event 4-2 − Digit 1

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.3 Event 4-2 − Digit 2

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.4 Event 4-2 − Digit 3

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.5 Event 4-2 − Digit 4

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.6 Event 4-2 − Digit 5

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.7 Event 4-2 − Digit 6

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.8 Event 4-2 − Digit 7

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.9 Event 4-2 − Digit 8

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.10 Event 4-2 − Digit 9

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.11 Event 4-2 − Digit A

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.12 Event 4-2 − Digit B

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.13 Event 4-2 − Digit C

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.14 Event 4-2 − Digit D

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.15 Event 4-2 − Digit E

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.8.16 Event 4-2 − Digit F

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

Refer to *Menu Item Event 3-1 or 4-1* on page 34.

3.1.9   Automation (D6600 Only)

3.1.9.1 Virtual Receiver Number (D6600 Only)

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 (D6600 Only)

Default:	0
Selections:	0 to 9
0	Bosch Security Systems, Inc.
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 2.4.8 Header* on page 17, in the D6500 Mode.

  When this Option is 0, the header follows *Menu Item 2.4.8 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 applies only to Pulse and DTMF formats in SIA Mode, except High Speed and Contact ID.

3.1.9.3 Acron 3-8 Account Output (D6600 Only)

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 (D6600 Only)

Default:	0
Selections:	0 to 3

0	Sends a normal Bosch 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 36

XY = the two-digit reporting code

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

3.1.9.5 Output for Modem II/III Formats (D6600 Only)

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/D6100IPv6 Computer Interface Manual* (P/N: 4998122703) for S protocol in D6500 Mode.

3.1.9.6 Convert Pulse Account Number (D6600 Only)

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 the Keypad
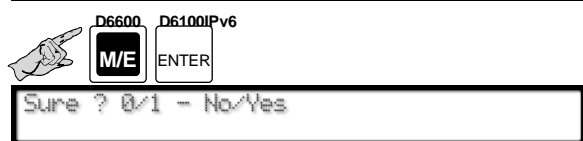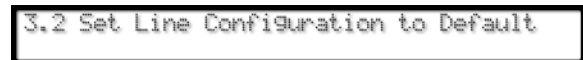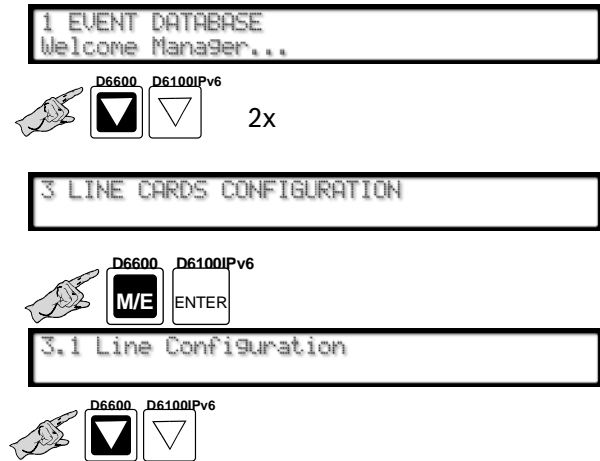
3.3 Copy Selected Line Configuration to Another Line

3.3.1 Copy Selected Line Configuration from the Keypad

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

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

1.   D6600 D6100IPv6
        [▼] [▽]   2x

```
3 LINE CARDS CONFIGURATION
```

2.   D6600 D6100IPv6i
        [M/E] [ENTER]

```
3.1 Line Configuration
```

3.   D6600 D6100IPv6   2x
        [▼] [▽]

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

4.   D6600 D6100IPv6
        [M/E] [ENTER]

D6600:
```
3.3 Copy One Line to Another Line
Copy from line (1-32): _
```

D6100IPv6:
```
3.3 Copy One Line to Another Line
Copy from line (1-2): _
```
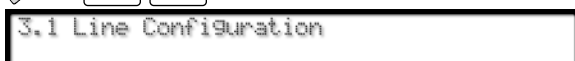
5.   Enter the line to copy.

6.   D6600 D6100IPv6
        [M/E] [ENTER]

D6600:
```
3.3 Copy One Line to Another Line
Copy to line (1-32): _
```

D6100IPv6:
```
3.3 Copy One Line to Another Line
Copy to line (1-2): _
```

7.   Enter the line number.
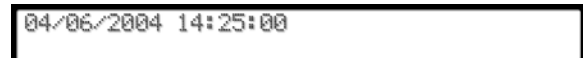
8.   D6600 D6100IPv6
        [M/E] [ENTER]

9.   D6600 D6100IPv6
        [CAN] [CANCEL]

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

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 (D6600) 0 (D6100)

0	None
1	Even
2	Odd

For the D6600, set the parity for COM4. The D6100IPv6 value is fixed at 0.

4.5.4 COM4 Stop Bit

Default:	1
Selections:	1 or 2 (D6600) 1 (D6100)

For the D6600, select the stop bit value for COM4. The D6100IPv6 value is fixed at 1.

4.5.5 Modem Selection (Reserved Feature)

4.5.6 Reserved Feature

4.5.7 RS-232 Firmware Programming Enable

Default:	1
Selections:	0 or 1

0	Disables firmware programming, enables only 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

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

1.   **D6600 D6100IPv6** ▼ ▽   4x

```
5 FIRMWARE VERSIONS
```

2.   **D6600 D6100IPv6** M/E ENTER

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

3.   **D6600 D6100IPv6** ▼ ▽   Scroll down through the installed line cards (D6600 can have up to eight).

D6600:

```
5.2 LC1 Line 1,2 Version
D6640:01.01.04.36
```
to
```
5.17 LC8 Line 31,32 Version
Not detected
```

D6100:

```
5.2 LC1 Line 1,2 Version
D6640:01.01.04.36
```
to
```
5.3 LC2 Line 3,4 Version
D6640:01.01.04.36
```

4. **D6600 Only:**

     D6600 ▼

```
5.18 Loaded Linecard Firmware
01010448, 02000051, [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 positions 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

For all references to the D6686, refer to the provided Installation Supplement for the specific model number of the Network Ethernet Module.

Customers ordering a D6100IPv6-01 receive a Model D6100IPv6 Communications Receiver/Gateway, and should refer to the *UL864 & UL1610 Installation Supplement* (P/N F01U134241) included with the product.

6.1 COM4 Network Adapter (D6600 only)

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.

Section 6.1 supports the D6600 only. It is reserved on the D1600IPv6.
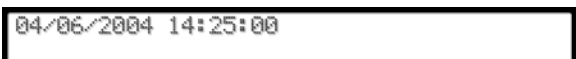
6.1.1 COM4 Baud Rate

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 to 2
0	Disable COM4 Network Adapter connection (RS-232 to D6200).
1	Enable COM4 D6680 Network Adapter connection.
2	Enable COM4 D6682 Network Adapter connection.
3	Enable COM4 D6686 Network Adapter connection.

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 (D6600)/Network Adapter (D6100IPv6)

On a D6100IPv6, *Section 6.2* is used only to configure a network adapter.

On a D6600, *Section 6.2* is used to configure either a network adapter or a serial adapter.

On aD6600, when the optional COM1 port is used for connecting to a network adapter, program the following parameters.

6.2.1 COM1 Baud Rate (D6600 only)

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 (D6600 only)

Default:	8
Selections:	8

Fixed value.

6.2.3 COM1 Parity (D6600 only)

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   Network Adapter

Default:	0
Selections:	D6600: 0 to 3
	D6100IPv6: 0 or 2

0	Disable network adapter connection.
1	Enable network adapter connection for D6600 with D6680 or D6100IPv6.
2	Enable network adapter connection for D6600 with D6682 or D6100IPv6.
3	Enable network adapter connection for D6600 with D6686.

6.2.6   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 or D6100IPv6 to the network using the COM4 port (D6600) or integrated Ethernet port (D6100IPv6).

⚠	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:
[IPv4] **xxx.xxx.xxx.xxx**
[IPv6]
xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx

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

☑	"UP" key"Δ" for ".", and "DOWN" key for ":"

6.3.2   Port

Default:	10000
Selections:	1 to 65535

This entry is reserved unless a COM4 and/or a COM1 network adapter is enabled (*Section 6.1.5* or *Section 6.2.5* is not set to **0**) and Datagram 02 is enabled (*Section 6.8.6* is set to **1**). When this entry is available, set it to the port number of the computer running the automation software.

☑	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	Bosch 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 D6600 COM4 or COM1 port or the D6100IPv6 Ethernet port.

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

6.4.1   IP Address 1

Selections:
[IPv4] **xxx.xxx.xxx.xxx**
[IPv6] **xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx**

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.

☑	"UP" key"Δ" for ".", and "DOWN" key for ":"

6.4.2   IP Address 2

Selections:
[IPv4] **xxx.xxx.xxx.xxx**
[IPv6] **xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx**

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.

☑	"UP" key"Δ" for ".", and "DOWN" key for ":"

6.4.3   IP Address 3

Selections:
[IPv4] **xxx.xxx.xxx.xxx**
[IPv6] **xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx**

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.

☑	(Important Note)"UP" key"Δ" for ".", and "DOWN" key for ":"

6.4.4   Reserved

☑	*Section 6.4.4* is reserved in Firmware version 1.32 and later.

☑	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:	1
Selections:	0 or 1

0	Disable network programming.
1	Enable network programming.

Use the D6200 to program the D6600/D6100IPv6 CPU, line card and other network communication parameters through the network connection.

6.4.6   Login Password

Default:	(blank)
Selections:	XXXXXXXXXXXXXXXX

This password is a string from 8 to 16 characters.

If a password is entered here, the D6200 can connect to the receiver from any PC and location as long as the D6200 PC has this password entered in it.

If this field is (blank), this function will be disabled in the receiver and D6200 workstations can only connect if the static IP Address of the workstation is in the receiver.

Password is case sensitive.

6.5   Network Printer (Reserved)

Section 6.5 is reserved.

6.6   Event 3-1 OR 4-1

The D6200 Programming Software can program only Events 3-1 and 4-1. *Table 13* shows programmed event codes and corresponding descriptions.

Table 13: 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 13* for details.

6.6.2   Event 3-1 – Digit 1

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

Refer to *Table 13* for details.

6.6.3   Event 3-1 – Digit 2

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

Refer to *Table 13* for details.

6.6.4   Event 3-1 – Digit 3

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

Refer to *Table 13* for details.

6.6.5   Event 3-1 – Digit 4

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

Refer to *Table 13* for details.

6.6.6   Event 3-1 – Digit 5

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

Refer to *Table 13* for details.

6.6.7   Event 3-1 – Digit 6

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

Refer to *Table 13* for details.

6.6.8   Event 3-1 – Digit 7

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

Refer to *Table 13* for details.

6.6.9   Event 3-1 – Digit 9

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

Refer to *Table 13* for details.

6.6.10   Event 3-1 – Digit 9

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

Refer to *Table 13* for details.

6.6.11   Event 3-1 – Digit A

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

Refer to *Table 13* for details.

6.6.12   Event 3-1 – Digit B

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

Refer to *Table 13* for details.

6.6.13   Event 3-1 – Digit C

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

Refer to *Table 13* for details.

6.6.14   Event 3-1 – Digit D

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

Refer to *Table 13* for details.

6.6.15 Event 3-1 – Digit E

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

Refer to *Table 13* for details.

6.6.16 Event 3-1 – Digit F

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

Refer to *Table 13* on page 44 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 13* on page 44 for details.

6.7.2   Event 4-2 – Digit 1

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

Refer to *Table 13* on page 44 for details.

6.7.3   Event 4-2 – Digit 2

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

Refer to *Table 13* on page 44 for details.

6.7.4   Event 4-2 – Digit 3

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

Refer to *Table 13* on page 44 for details.

6.7.5   Event 4-2 – Digit 4

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

Refer to *Table 13* on page 44 for details.

6.7.6   Event 4-2 – Digit 5

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

Refer to *Table 13* on page 44 for details.

6.7.7   Event 4-2 – Digit 6

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

Refer to *Table 13* on page 44 for details.

6.7.8   Event 4-2 – Digit 7

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

Refer to *Table 13* on page 44 for details.

6.7.9   Event 4-2 – Digit 8

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

Refer to *Table 13* on page 44 for details.

6.7.10   Event 4-2 – Digit 9

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

Refer to *Table 13* on page 44 for details.

6.7.11   Event 4-2 – Digit A

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

Refer to *Table 13* on page 44 for details.

6.7.12   Event 4-2 – Digit B

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

Refer to *Table 13* on page 44 for details.

6.7.13   Event 4-2 – Digit C

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

Refer to *Table 13* on page 44 for details.

6.7.14   Event 4-2 – Digit D

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

Refer to *Table 13* on page 44 for details.

6.7.15   Event 4-2 – Digit E

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

Refer to *Table 13* on page 44 for details.

6.7.16   Event 4-2 – Digit F

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

Refer to *Table 13* on page 44 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/D6100IPv6 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 automatically 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/D6100IPv6 firmware, such as account Comm Restore/Comm Fail events.
2	Enable Virtual Account Replacement for all network events

6.8.5 Network Naming Convention (NNC) Enabled

Default:	1
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 the control panel's location on the network. Any dialer with a C900 (version 1.10 or later) 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/D6100IPv6.

> ☑ This option can be enabled (1) only when the D6600/D6100IPv6 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 Reserved

> ☑ The Datagram Type field is no longer used starting with D6200 v2.00 and higher and the associated receiver software versions.

6.8.7 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 IIIa² messages can be sent in SIA format to automation.

Refer to the *D6600/D6100IPv6 Computer Interface Manual* (P/N: 4998122703) for S protocol in D6500 Mode.

7.0   Database Configuration

Bosch recommends using the D6200 for adding, deleting, or modifying the account database.

7.1   Add or modify an account

[ENTER]

Input NNC Account: _____

[1][2][3][4][5][6]

[ENTER]

7.1.1   Virtual Account Number

Current Setting [0][0][0][0]

New Value: _____

[1][2][3][4]

[ENTER]

7.1.2   Enable Communication

Current Setting [1]

New Value [0]..[1]:

[1]

[ENTER]

7.1.3   Poll Rate

Current Setting [7][5]

New Value [0]...[1275]

7.1.4   ACK Wait

Current Setting [15]

7.1.5   Virtual Line Number

Current Setting [0]

7.1.6   Priority

7.1.7   Virtual Receiver Number

Current Setting [0]

7.1.8   Resync Key for Anti-Sub

Current Setting [1]

7.1.9   Time Sync Enable

Current Setting [0]

7.2   Delete an Account

7.3   View Account Status

8.0   Registered Accounts

Shows the maximum number of accounts and the current number of accounts in the D6600/D6100IPv6.

9.0   Exit Menu

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

Appendix A: Important Information

Table 14: 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:				