

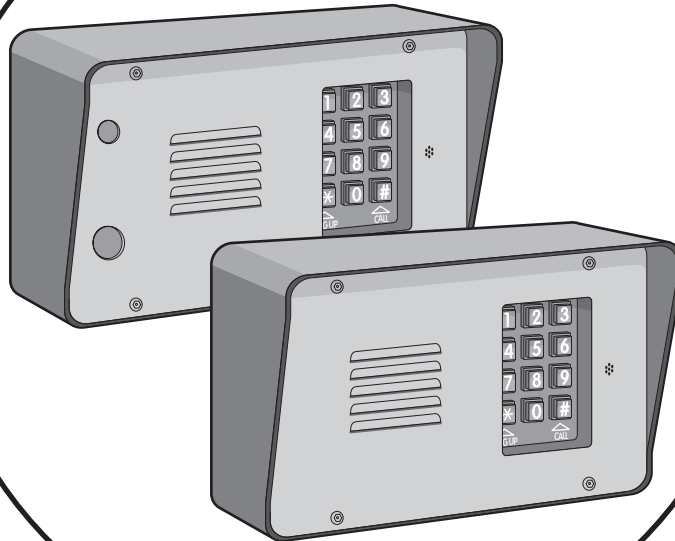
CHAMBERLAIN®

# SENTEX®

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## ***Crown Jewel***

**Telephone entry system**



## **Keypad Programming Manual**

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## Quick Reference

Program Number	Page	Description of Task	Factory Setting	Programming Procedure
***	5	Enter Programming Mode		*** (6-digit Password)
00	6	Exit Programming Mode		00 #
01	26	Change the Unit Password	000000	01 + 6-digit Unit Password #
02	26	Verify the Unit Password	000000	02 + 6-digit Unit Password #
03	9	Create an Entry Code	---	03 + (Entry Code, 4-digits) + (Relay Code, 0-9) + (Time Zone, 1-7) #
04	9	Delete and Entry Code	---	04 + (Entry Code, 4-digits) #
05	10	Delete ALL Entry Codes	---	05 + 101010 #
06	18	Set the Visitor Call Double Ring	2 Rings	06 + (1 = Single, 2 = Double Ring) #
07	18	Set Max Visitor Call Ring Count	12	07 + (Number or Rings, 1-24) #
08	19	Set Talk Time	90 Seconds	08 + (Number of Seconds; 15-250) #
09	19	Enable/Disable Pulse Dial 9	Disabled	09 + (0 = Disable; 1 = Enable) #
10	19	Enable/Disable Call Waiting	Enabled	10 # (0 = Disable; 1 = Enable) #
11	12	Create a Do Not Disturb (DND) Schedule	---	11 + (Days of the Week, 1-8) + (Start Time, hhmm) + (End Time, hhmm) + (Holiday Option, 0-2) + [To ERASE enter 99] #
12	13	Enable/Disable DND Schedule	Disabled	12 + (Enable = 1; Disable = 2) #
13	16	Enable/Disable Call Forwarding	Disabled	13 + (0 = Disable; 1 = Enable; 2 = Schedule) #
14	16	Set the Call Forwarding Number	---	14 + (Call Forwarding Phone Number, up to 12 digits) #
15	17	Set Call Forwarding Extension Delay	Disabled	15 + (0-59 Seconds) #
16	17	Set Call Forwarding Extension Number	---	16 + (Extension Number, 1-6-digits) #
17	20	Set the Max Number of Digits a Visitor May Dial on the Crown Jewel Keypad	Disabled	17 + (Number of Digits, 0-6) #
18	17	Set Call Forwarding Schedule	---	18 + (Days of the Week, 1-8) + (Start Time, hhmm) + (End Time, hhmm) + (Holiday Option, 0-2) #
19	20	Setting the Dialing Codes	---	19 + (Dialing Code, 1-3) + (Phone Number) #
20	25	Set Maximum Number of Keypad Errors	5	20 + (Number of Errors for Keypad #1, 0-9) + (Number of Errors for Keypad #2, 0-9) #
21	26	Enable/Disable Alarm Call	Disabled	21 + (Alarm Mode, 0-3) #
22	26	Set Alarm Call Number	---	22 + (Alarm Call Phone Number) #
23	8	Set Relay #1 Activation Time	10 Seconds	23 + (Number of Seconds, 1-250) #
24	8	Set Relay #2 Activation Time	10 Seconds	24 + (Number of Seconds, 1-250) #
25	11	Create a Time Zone (Schedule)	---	25 + (Time Zone Number, 1-7) + (Segment Number, 1-2) + (Start Time, hhmm) + (End Time, 1-2) + (Days of the Week, 1-8) #

**IMPORTANT NOTES:** If you make an error during an entry, press the asterisk key (\*) to begin again.  
 The pound key (#) MUST be used to SAVE the data at the end of each programming step.  
 Time MUST be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.)  
 2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.

## Quick Reference

Program Number	Page	Description of Task	Factory Setting	Programming Procedure
26	7	Configure Relay #2 and Status #2	0	26 + (Configuration Number, 0-5) #
27	11	Set the Date and Time	---	27 + (Year, yy) + (Month, mm) + (Current Date, dd) + (Day, 1-7) + (Hour, hh) + (Minutes, mm) #
28	11	Create a Holiday	---	28 + (Holiday, 0-9) + (Month, mm) + (Date, dd) #
29	29	Setting the Rings Before Answer	5	29 + (Number of Rings Before Answer, 1-15) #
30	-	Adjust the Sidetone Balance		30 # (Unit will emit a tone for 45 seconds)
31	30	Restore Factory Defaults		31 #
32	30	Reset the Unit		32 #
33	29	Enable/Disable No-Telco Mode	Disabled	33 + (0 = Disable; 1 = Enable) #
34	18	Change Visitor Response Keys	9, 5, 2, 1, *	34 + (Activate Main Gate)+ (Activate Auxiliary Relay) + (Call Wait Toggle) + (Extend Talk Time) + (Hang Up) #
35	23	Enable Direct Commands	Enabled	35 + (Direct Command Number, 0-3) #
36	29	Set Alternative Prefixes	00	36 + (Alternate Prefix, 00-04 or 1n) #
37	28	Verify Unit Number	---	37 # (Unit will emit beeps corresponding with its unit number)
38	28	Setting the Unit Number	---	38 + (Unit Number, 1-7) + (Number of Units in Chain, 1-7) #
40	15	Enable/Disable Unlock Schedules	Disabled	40 + (Unlock Schedule Mode, 0-1) #
41	15	Set Unlock Schedule for Relay #1	Disabled	41 + (Days of the Week, 1-7) + (Segment, 1-2) + (Open Time, hhmm) + (End Time, hhmm) + (Holiday, 0-2) #
42	15	Set Unlock Schedule for Relay #2	Disabled	42 + (Days of the Week, 1-7) + (Segment, 1-2) + (Open Time, hhmm) + (End Time, hhmm) + (Holiday, 0-2) #
43	29	Override Answering Service	20 Seconds	43 + (Delay Time in Seconds, 1-99) #
88	30	Erase All Transactions	---	88 + 101010 #
89	13	Active/Cancel DND Schedule	Disabled	<i>Activate:</i> 89 + (End Time, hhmm) # <i>Cancel:</i> 89 + 99 #
90	26	Speak Through the Crown Jewel	---	90 #
91	21	Cycle Relay #1	---	91 #
92	21	Cycle Relay #2	---	92 #
93	21	Latch Relay #1	---	93 #
94	21	Latch Relay #2	---	94 #
95	21	Release Relay #1	---	95 #
96	21	Release Relay #2	---	96 #
97	21	Release Both Relays	---	97 #
98	22	Latch Relay #1 Until	---	98 + (End Time, hhmm) #
99	22	Latch Relay #2 Until	---	99 + (End Time, hhmm) #

**IMPORTANT NOTES:** If you make an error during an entry, press the asterisk key (\*) to begin again.  
 The pound key (#) MUST be used to SAVE the data at the end of each programming step.  
 Time MUST be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.)  
 2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.

# Programming Basics

The Crown Jewel can be programmed 2 different ways:

1. **Crown Jewel Keypad:** You may use the keypad on the front panel.
2. **Local/Remote DTMP Phone:** You may use the keypad on a local or remote phone to program the system. The unit response to the DTMF signals generated by your touch-tone phone.
3. **Modem Connection to a PC:** In order to program the Crown Jewel with a modem connection, your PC MUST be running Sentex's Windows®-compatible CJWIN software. (See *CJWIN Programming manual for more information.*)

The instructions in THIS manual will describe how to program the Crown Jewel from the keypad or local/remote DTMF (Touch-Tone) phone ONLY. For More information check with your installation dealer.

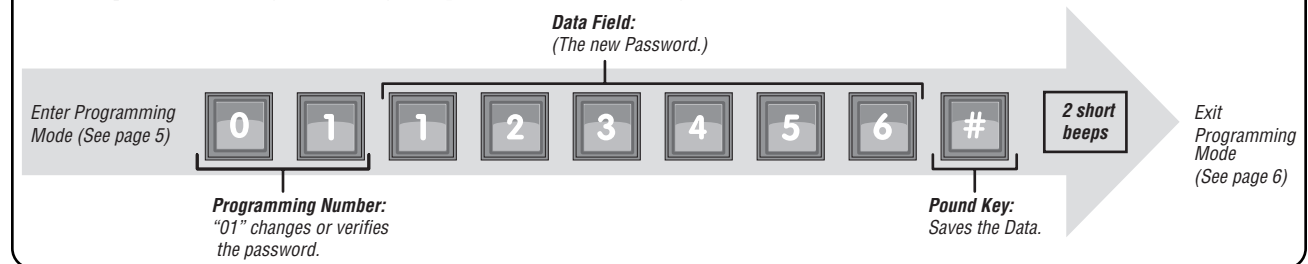
## Example: Procedure for Programming the Crown Jewel

1. 2 digit # Programming Number. (See Quick Reference on pages 2-3 for descriptions and procedures.)
2. One or more Data Fields.
3. Pound Key (#) at end of the programming sequence to Save the Data.

### NOTES:

- If you make an error during and entry, press the asterisk key(\*) to cancel the step.
- When you correctly enter the entire programming sequence, the unit will respond with 2 short beeps (See System Feedback/Responses (Beeps) see below).

### Example of a Programming Sequence: "01 Change the Unit Password"



## System Feedback/Responses (Beeps)

### Programming Responses:

- 2 Short Beeps:** Programming step was valid.
- 3 Short Beeps:** Programming step was exited.
- 1 Long Beep:** Input was not valid.
- 2 Long Beeps:** Duplicate entry code was entered.
- 3 Long Beeps:** Memory is full.
- 4 Long Beeps:** Unit has reset or is powering up.
- Busy Signal:** Line is busy or Do Not Disturb feature is in effect.

### Direct Command Responses:







- 5 Short Beeps:** Gate is closing by command.
- 10 Short Beeps:** Gate is opening by command.

### Other Responses:

- 1 Short Beeps:** Key was pressed on the main keypad.
- 10 Beeps:** Talk time for a visitor call is ending. The unit will begin to beep when 10 seconds of talk time remain, beeping once every second.
- Ring Back:** The unit is ringing the house.
- High-Low Tones:** An alarm condition has been activated.
- Silence:** The keypad has stuck out, unit is being programmed remotely, or an alarm condition exists.



## Exit Programming Mode - 00

- Press    on the Crown Jewel keypad and the unit will respond with *3 short beeps* when disconnecting.
- Press    on the telephone and the unit will respond with *3 short beeps* when disconnecting.

**IMPORTANT NOTES:** *If you make an error during an entry, press the asterisk key (\*) to begin again.  
The pound key (#) MUST be used to SAVE the data at the end of each programming step.  
Time MUST be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.)  
2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.*

## Configure Relays

A relay is a device that reacts to an electric current to activate other devices. Allowing the Crown Jewel to lock or unlock a gate, shut (bypass) alarm contacts, signal an alarm, or turn on a camera wired to a closed-circuit television (CCTV). The relays can be programmed to 5 different modes.

### MODES OF OPERATION




- Strike Relay:** A Strike Relay controls a door or gate by unlocking or opening it. It does not control any other component associated with a system like alarms, CCTV, etc.
- Shunt Relay:** A Shunt Relay is normally wired to an alarm and works with strike relays to shunt (bypass) the alarm when the door is opened with a valid access code. If the door is forced open, the system will not shunt the alarm and the alarm will be triggered.
- CCTV Relay:** A CCTV relay activates the system's optional camera. The camera is wired to a closed-circuit television (CCTV). A camera can be activated when an alarm condition occurs or when a resident enters a valid access code.
- Alarm Relay:** The Alarm Relay will activate another device, such as a siren, when 3 conditions occur: A door is opened without a valid access code, A door is open past the allotted time programmed in, or too many invalid codes are tried. Any of these will trigger the alarm relay.
- Control Relay:** The Control Relay can control another device such as an outdoor or indoor light near the unit. For example, you can configure the system to run an entry light through a darkened area after a resident enters a valid access code. Then the light would turn off after a specified amount of time.

## Configure Relay #2 and Status #2 Input - 26

Relay #2 can be configured as a Strike, Shunt, CCTV, Alarm or Control Relay. The Status 2 input can be used as an exit request for the second gate or sensor to detect the closed position of the main gate/door.

**FACTORY SETTING: 0 (Relay 2 = Control Type; Status 2 = Exit Request.)**

**NOTE:** Relay #1 is configured as a Control Relay and cannot be changed.

1. Press  
2. Enter Configuration Number:
  - 0** = Relay #2 = Control Type; Status 2 = Exit Request 2  
(During a visitor call, Relay #2 will activate when the #5 is press from the resident phone, or the relay will activate when the Exit Request Device has been activated.)
  - 1** = Relay #2 = Shunt Type; Status 2 = Position Sense 1  
(Relay #2 will activate whenever Relay #1 activates to bypass an alarm sensor.)
  - 2** = Relay #2 = Alarm Type; Status 2 = Position Sense 1  
(Relay #2 will activate upon an Alarm Condition.)
  - 3** = Relay #2 = CCTV Type; Status 2 = Position Sense 1; Video On = Manual  
(Closed-circuit TV will activate when the #5 is pressed from the resident phone, however, the visitor call will not terminate until access is granted "#9" or call is terminated "\*".
  - 4** = Relay #2 = CCTV Type; Status 2 = Position Sense 1; Video On = Immediate  
(Closed-circuit TV will activate when any key is press on the main keypad.)
  - 5** = Relay #2 = Control Type; Status 2 = Position Sense 1  
(During a visitor call, Relay #2 will ONLY activate when the "#5" is press from the resident phone.)
3. Press  to save the data

**EXAMPLE:**      
1                      2                      3

Sets Relay #2 as an Alarm Type and Status 2 for Position Sense 1)

**IMPORTANT NOTES:** If you make an error during an entry, press the asterisk key (\*) to begin again.  
The pound key (#) MUST be used to SAVE the data at the end of each programming step.  
Time MUST be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.)  
2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.

## Set Relay Activation Times - 23 and 24

Set the amount of time the relay will remain active between 1-250 seconds.

**FACTORY SETTING: 10 Seconds**

1. Press **2** **3**
2. Enter number of seconds Relay #1 will be active (1-250 Seconds)
3. Press **#** to save the data

**EXAMPLE:** **2** **3** **3** **5** **#**

Sets Relay #1 to remain active for 35 seconds

1. Press **2** **4**
2. Enter number of seconds Relay #2 will be active (1-250 Seconds)
3. Press **#** to save the data

**EXAMPLE:** **2** **4** **0** **2** **#**

Sets Relay #2 to remain active for 2 seconds


**NOTE:** If either relay is connected to a gate operator with a momentary contact closure, set the relay activation time for a short period of time (i.e. 2 seconds). A longer activation time may cause the gate operator to repeatedly open and close the gate until the activation time expires.

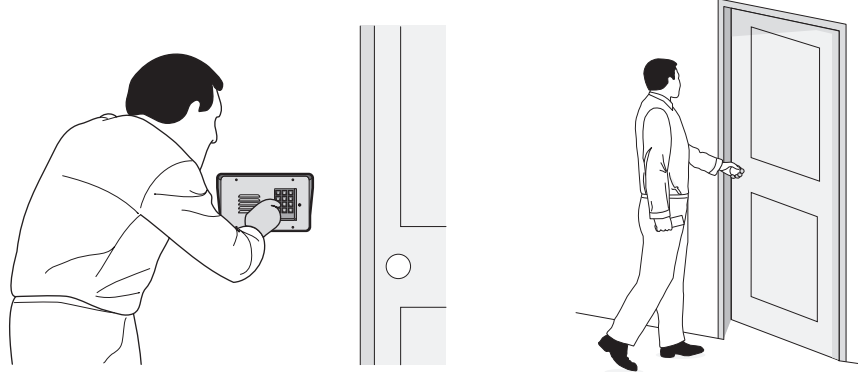
**IMPORTANT NOTES:** If you make an error during an entry, press the asterisk key (\*) to begin again.  
The pound key (#) MUST be used to SAVE the data at the end of each programming step.  
Time MUST be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.)  
2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.

## Entry Codes

Entry codes are used to open the gate or door using the Crown Jewel keypad without phoning the residence. The Crown Jewel unit can store up to 75 entry codes. To restrict access, you can also program entry codes to activate specific relays and/or grant access during specific Time Zones (Schedules) see page 11. Entry codes are four digits long between 0000 and 9999.

On the Crown Jewel keypad, enter the assigned **"Entry Code"**.

If you make an error entering the code press  to cancel






Resident enters in Entry Code


Resident gains access

**Before adding or modifying Entry Codes, answer the following questions:**

- **Have you chosen the Entry Code number you will assign?** This number will be assigned to a resident. The resident will enter this number on the unit keypad to prompt the system to grant access.
- **Will the Entry Code have Time Zone (Schedule) restrictions?** You may assign a Time Zone to an Entry Code so that it is valid ONLY during specified time frames.




### Create an Entry Code - 03








1. Press  
2. Enter Entry Code (4-digits)
3. Press 

**EXAMPLES:**   |     | 

Adds Entry Code "1500".










### Delete an Entry Code - 04

1. Press  
2. Enter Entry Code (4-digits) to be deleted
3. Press 

**EXAMPLE:**   |     | 




Deletes Entry Code "1500".

## Delete ALL an Entry Code - 05

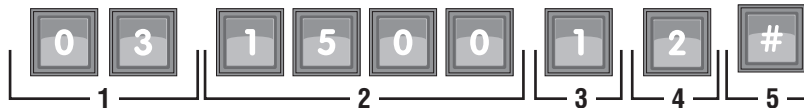
1. Press  
2. Enter      
3. Press 

**IMPORTANT NOTE:** This programming step erases ALL of the Entry Codes saved in the Crown Jewel database. They cannot be retrieved unless they are saved to a CJWIN database.

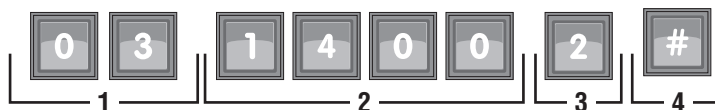
## Special Entry Code Programming - 34

1. Press  
2. Enter Entry Code
3. Enter one of the following Relay Codes:
  - 0 = Cycle default relay
  - 1 = Cycle relay #1
  - 2 = Cycle relay #2
  - 3 = Latch relay #1
  - 4 = Latch relay #2
  - 5 = Release relay #1
  - 6 = Release relay #2
  - 7 = Release both relays
  - 8 = Cycle both relays
  - 9 = Latch both relays
4. Enter Time Zone (1-digit) (See page 11 for information about Time Zones)
5. Press 

**EXAMPLES:**



Sets Entry Code "1500" to cycle relay #1 and be valid during the times set up for Time Zone #2



Sets Entry Code "1400" to cycle relay #2 and be valid 24 hours a day 7 days a week. If a Time Zone Code is not entered as in the example above, the Entry Code will be assigned the default Time Zone of "0" (Access All Day, everyday)

**IMPORTANT NOTES:** If you make an error during an entry, press the asterisk key (\*) to begin again.  
The pound key (#) MUST be used to SAVE the data at the end of each programming step.  
Time MUST be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.)  
2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.

# Time Zones (Schedules) and Holidays

## Set the Date and Time - 28

The Crown Jewel contains an internal clock calendar that automatically keeps time and adjusts for leap year, however, it does NOT adjust for daylight savings time. The calendar also is used for scheduling history, transactions and entry codes.

1. Press **2** **7**
2. Enter Year (yy)
3. Enter Month (mm)
4. Enter Day (dd)
5. Enter Day of the Week (To add one or more days to the Time Zone/Segment, press the digit corresponding to the day.):  
1 = Sunday      2 = Monday      3 = Tuesday      4 = Wednesday  
5 = Thursday      6 = Friday      7 = Saturday      8 = Holiday
6. Enter Hour (hh)
7. Enter Minutes (mm)
8. Press **#**

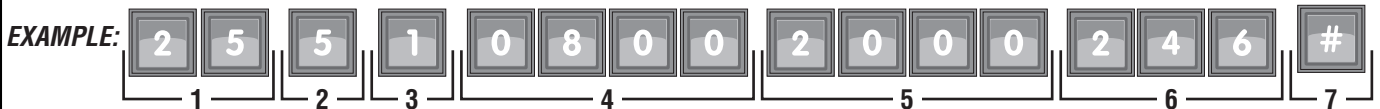


Sets the Crown Jewel's internal clock to 12:00 PM on Saturday, July 17, 2004.

## Create a Time Zone (Schedule) - 25

Time Zones (Schedules) allow you to create time periods to grant or deny access to a residence. Time Zones may be assigned to an entry code or relay. You can program 7 Time Zones with 2 Segments for each.

1. Press **2** **5**
2. Enter Time Zone Number (1-7)
3. Enter Segment Number (1-2)
4. Enter Start Time (hhmm)
5. Enter End Time (hhmm)
6. Enter Days of the Week (To add one or more days to the Time Zone/Segment, press the digit corresponding to the day.):  
1 = Sunday      2 = Monday      3 = Tuesday      4 = Wednesday  
5 = Thursday      6 = Friday      7 = Saturday      8 = Holiday
7. Press **#**



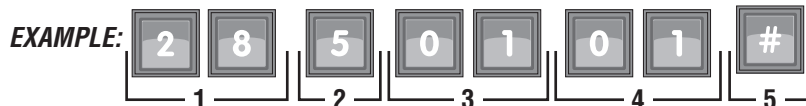
Sets Time Zone #5, Segment #1 to start at 8:00 AM and end at 8:00 PM, Monday, Wednesday and Friday.

**NOTE:** To set up a time zone that extends past midnight and into the next day, create one segment that runs until midnight (i.e. 8:00 PM [2000] to 11:59 PM [2359]) and a second segment that starts at midnight on the following day (i.e.: 12:00 AM [0000] to 4:00 AM [0400]).

## Create a Holiday - 28

Holidays are special calendar dates that can be used to modify the Crown Jewel's functionality. (i.e. Do Not Disturb (DND) Schedules, Gate Unlock Schedules, Time Zones and Entry Codes).

1. Press **2** **8**
2. Enter Holiday Number (0-9)
3. Enter Month (mm)
4. Enter Date (dd)
5. Press **#**



Sets Holiday #5 as January 1st.

# Do Not Disturb (DND) Schedules

Do Not Disturb (DND) Schedules prevent visitors from calling the residence phone during a specified time. This feature is ONLY available to the main residence phone, not to other tenants via Dialing Codes.

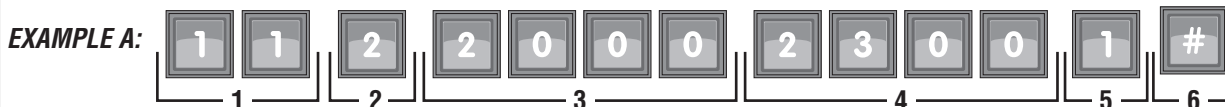
## Create a Do Not Disturb (DND) Schedule- 11

**NOTE:** When entering Do Not Disturb (DND) Schedules for multiple days of the week, each day requires a separate entry (Example B).

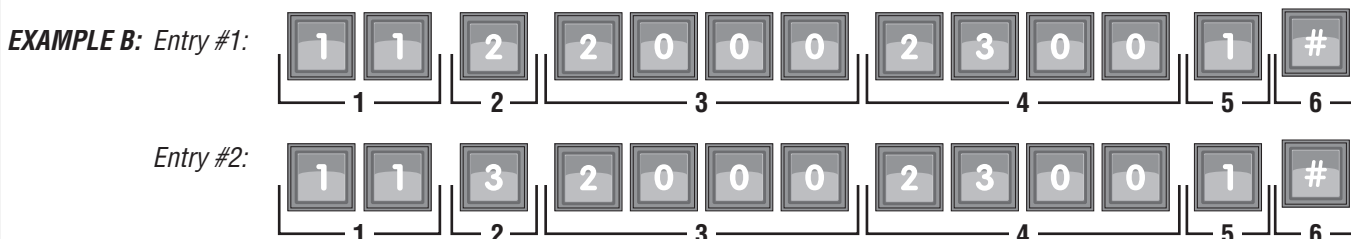
1. Press  
2. Day of the week (1-8):
 

1 = Sunday	2 = Monday
3 = Tuesday	4 = Wednesday
5 = Thursday	6 = Friday
7 = Saturday	8 = Holiday
3. Enter Start Time (hhmm)
4. Enter End Time (hhmm)
5. Enter Holiday option (0-2):
 

0 = No Schedule on holidays
1 = Use same schedule on holidays
2 = Use schedule #8 when this day falls on a programmed holiday
6. Press 






Sets Do Not Disturb (DND) Schedule to be active Mondays and on Holidays that fall on a Monday from 8:00 PM to 11:00 PM .

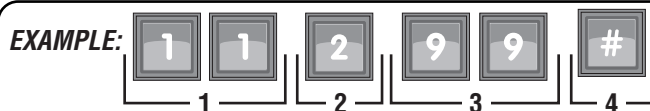


Sets Do Not Disturb (DND) Schedule to be active Mondays, Tuesdays and on Holidays that fall on a Monday or a Tuesday from 8:00 PM to 11:00 PM .

### To Delete Do Not Disturb Schedule

1. Press  
2. Enter day of the week to be deleted (1-8):
 

1 = Sunday	2 = Monday
3 = Tuesday	4 = Wednesday
5 = Thursday	6 = Friday
7 = Saturday	8 = Holiday
3. Enter "99"
4. Press 



Deletes Do Not Disturb (DND) Schedule for set for Mondays.

**IMPORTANT NOTES:** If you make an error during an entry, press the asterisk key (\*) to begin again.  
 The pound key (#) MUST be used to SAVE the data at the end of each programming step.  
 Time MUST be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.)  
 2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.

## Enable/Disable Do Not Disturb (DND) Schedule - 12

1. Press **1** **2**
2. Enable/Disable Do Not Disturb (DND) Schedule (0 = Disable; 1 = Enable)
3. Press **#**

**EXAMPLE:** **1** **2** **1** **#**

1 2 3

*Enables Do Not Disturb (DND) Schedule.*

## Manually Activate the Do Not Disturb Feature - 89

1. Press **8** **9**
2. Enter End Time (hhmm)
3. Press **#**

**EXAMPLE:** **8** **9** **0** **7** **0** **0** **#**

1 2 3

*Do Not Disturb (DND) activated manually. Visitor calls will be blocked until 7:00 AM*

### To Manually Deactivate the Do Not Disturb Feature

1. Press **8** **9**
2. Enter "99"
3. Press **#**

# Auto Unlock Schedules

The Crown Jewel can automatically active either of it's two relays. Each day of the week can have up to 2 time segments. On programmed holidays, the schedule can automatically be ignored or changed to the alternate holiday schedule.

## Set Auto Unlock Schedules- 41 & 42

1. Press  

2. Enter Days of the Week:

- |               |              |
|---------------|--------------|
| 1 = Sunday    | 5 = Thursday |
| 2 = Monday    | 6 = Friday   |
| 3 = Tuesday   | 7 = Saturday |
| 4 = Wednesday | 8 = Holiday  |

3. Enter Segment (1-digit; 1 or 2)

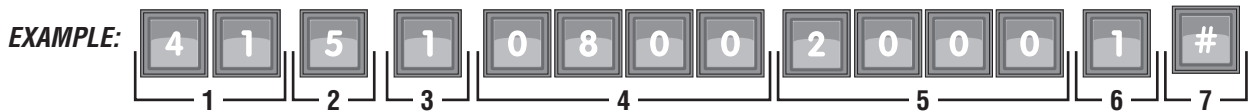
4. Enter Start Time (hhmm)

5. Enter End Time (hhmm)

6. Enter Holiday option:

- 0 = No Schedule on holidays
- 1 = Use same schedule on holidays
- 2 = Use schedule number 8 when this day falls on a programmed holiday

7. Press 



Sets Segment #1 for Relay #1 to open on Thursdays and holidays at 8:00 AM and Close at 8:00 PM.

1. Press  

2. Enter Days of the Week:

- |               |              |
|---------------|--------------|
| 1 = Sunday    | 5 = Thursday |
| 2 = Monday    | 6 = Friday   |
| 3 = Tuesday   | 7 = Saturday |
| 4 = Wednesday | 8 = Holiday  |

3. Enter Segment (1-digit; 1 or 2)

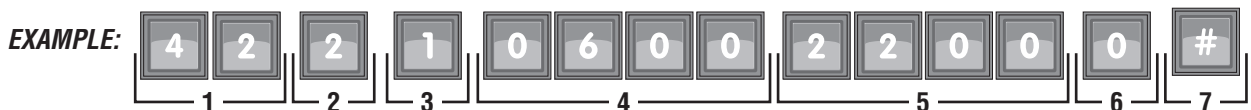
4. Enter Start Time (hhmm)

5. Enter End Time (hhmm)

6. Enter Holiday option:

- 0 = No Schedule on holidays
- 1 = Use same schedule on holidays
- 2 = Use schedule number 8 when this day falls on a programmed holiday

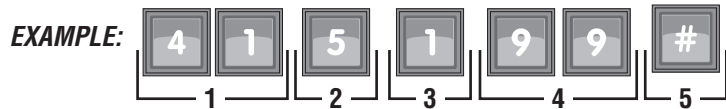
7. Press 



Sets Segment #1 for Relay #2 to open on Mondays at 6:00 AM and Close at 10:00 PM.

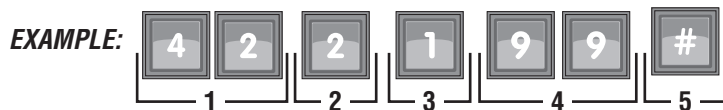
## Delete Auto Unlock Schedules- 41 & 42

1. Press **4** **1**
2. Enter Days of the Week:  
1 = Sunday                      5 = Thursday  
2 = Monday                     6 = Friday  
3 = Tuesday                    7 = Saturday  
4 = Wednesday                8 = Holiday
3. Enter Segment (1-digit; 1 or 2)
4. Enter "99"
5. Press **#**



*Deletes Thursday Unlock Schedule Segment #1 for Relay #1*

1. Press **4** **2**
2. Enter Days of the Week:  
1 = Sunday                      5 = Thursday  
2 = Monday                     6 = Friday  
3 = Tuesday                    7 = Saturday  
4 = Wednesday                8 = Holiday
3. Enter Segment (1-digit; 1 or 2)
4. Enter "99"
5. Press **#**

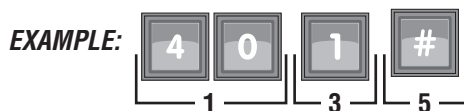


*Deletes Monday Unlock Schedule Segment #1 for Relay #2*

## Enable/Disable Auto Unlock Schedules- 40

**FACTORY SETTING:** Disabled

1. Press **4** **0**
2. Enter Unlock Schedule Mode (0-1)  
0 = Disable Unlock Schedules  
1 = Enable Unlock Schedules
3. Press **#**



*Enables Unlock Schedules*

**IMPORTANT NOTES:** If you make an error during an entry, press the asterisk key (\*) to begin again.  
The pound key (#) MUST be used to SAVE the data at the end of each programming step.  
Time MUST be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.)  
2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.



## Setting the Call Forwarding Extension - 16

When the Call Forwarding feature is enabled, the Crown Jewel is able to dial an extension number (up to 6-digits).

1. Press **1 6**

2. Enter the Extension Number (up to 6-digits)

3. Press **#**

**EXAMPLE:** **1 3 1 2 3 4 #**

Sets the Call Forwarding Extension Number as 1234.

## Setting the Call Forwarding Extension Delay - 15

1. Press **1 5**

2. Enter Delay amount (0-59 seconds)  
(0 = Disables Extension dialing)

3. Press **#**

**EXAMPLE:** **1 3 3 0 #**

Sets a pause of 30 seconds between the Call Forwarding number and the Call Forwarding Extension number.

## Set the Call Forwarding Schedule - 18

Program calls to be forward during specified times and days.

1. Press **1 8**

2. Enter Days of the Week (*To add one or more days to the Time Zone/Segment, press the digit corresponding to the day*):

1 = Sunday      2 = Monday      3 = Tuesday      4 = Wednesday  
5 = Thursday    6 = Friday      7 = Saturday      8 = Holiday

3. Enter Start Time (hhmm)

4. Enter End Time (hhmm)

5. Enter Holiday Option

0 = No Schedule on Holidays

1 = Use Same Schedule on Holidays

2 = Use Schedule Number 8 when this day falls on a Programmed Holiday

6. Press **#**

**EXAMPLE:** **1 8 5 0 9 0 0 1 7 0 0 0 #**

Enables the Call Forwarding Schedule to contact the Call Forwarding Number on Thursdays from 9:00 AM to 5:00 PM excluding Holidays.

## Visitor Calls

When a visitor contacts a resident with the Crown Jewel, the resident can preform various functions using their touch-tone phone. The default settings are as follows:

### KEYS ON RESIDENT'S TELEPHONE



Activates Relay #1



Extends Talk Time



Activates Relay #2



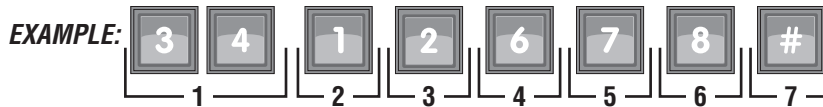
Hang Up and Deny Access to the Visitor



Toggles Between Visitor and Another Phone Call

## Change the Visitor Call Response Keys - 34

1. Press
2. Enter key that will activate Relay #1 (0-9 or \*)
3. Enter key that will activate Relay #2 (0-9 or \*)
4. Enter key that will toggle Call Waiting (0-9 or \*)
5. Enter key that will extend Talk Time (0-9 or \*)
6. Enter key that will Hang Up and Deny Access to Visitor (0-9 or \*)
7. Press



Changes the phone key that operates Relay #1 to "1", Relay #2 to "2", the phone key that toggles between calls to "6", "7" extends talk time and "8" hangs up and denies access to the visitor.

**NOTE:** The asterisk key (\*) may be assigned to a specific phone key response, therefore, you will be UNABLE to cancel a command in this programming step.

## Set Visitor Call Ring Sound - 06

**FACTORY SETTING:** 2 (Double Ring)

1. Press
2. Enter Ring Type (Single Ring [1] or Double Ring [2])
3. Press

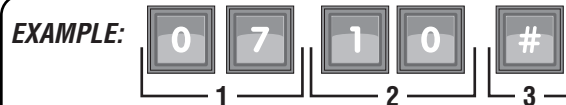


Sets the visitor ring to Single Ring. The phone will ring once every 6 seconds during a visitor call.

## Set Max Visitor Call Ring Count - 12

Sets number of rings (1-24) the unit will allow before it disconnects the call. **FACTORY SETTING:** 12 Rings.

1. Press
2. Enter number of rings (1-24)
3. Press




Sets the number of rings before the Crown Jewel disconnects to 10 rings.







**IMPORTANT NOTES:** If you make an error during an entry, press the asterisk key (\*) to begin again. The pound key (#) MUST be used to SAVE the data at the end of each programming step. Time MUST be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.) 2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.

## Set Visitor Talk Time - 90

Set the maximum length of time (15-250 seconds) for a call made by a visitor from the Crown Jewel unit.

**FACTORY SETTING: 90 Seconds**

1. Press  
2. Enter Number of Seconds (15-250 Seconds)
3. Press 




**EXAMPLE:**   |    | 

Sets Visitor Talk Time to 2 minutes (120 seconds).

**NOTE:** Talk time does not begin until the visitor call is answered by the resident's phone. When calling a Call Forwarding number, the talk time starts immediately after the phone number is dialed.

## Enable/Disable Pulse Dial Activation - 09

You can enable a resident's pulse (rotary) telephone to activate Relay #1 by dialing "9". Pulse dialing CANNOT be used for any other direct commands, programming or visitor responses. **FACTORY SETTING: 0 Disabled**




1. Press  
2. Enable/Disable Pulse Dial mode:  
0 = Disable Pulse Dial mode  
1 = Enable Pulse Dial mode
3. Press 





**EXAMPLE:**   |  | 

Disables Pulse Dial mode.

## Enable/Disable Call Waiting - 10

**FACTORY SETTING: 1 Enabled**




1. Press  
2. Enable/Disable Call Waiting mode:  
0 = Disable Pulse Dial mode  
1 = Enable Pulse Dial mode
3. Press 

**EXAMPLE:**   |  | 

Disables Call Waiting mode.

## Visitor Calls to Other Tenants (Dialing Codes) - 19

This feature allows a visitor to place a call to a location other than the main residence by pressing 1#, 2# or 3# on the Crown Jewel keypad.




1. Press  
2. Enter Dialing Code Number (1-3)
3. Enter Telephone Number Crown Jewel will dial (up to 12 digits)
4. Press 



Sets Dialing Code #2 to dial 555-1234 when #2 is press on the Crown Jewel Keypad.

## Set Maximum Number of Digits Visitor May Dial - 17

Program the maximum number of digits a visitor may enter on the unit's keypad after the visitor call has been answered.  
**FACTORY SETTING: 0 (Disabled)**

1. Press  
2. Enter the Maximum Number of Digits the Visitor may dial (0-6 digits; 0 = Disabled)
3. Press 



Sets the Maximum Number of Digits in the Extension Number to 4-Digits.

# Direct Commands

Unit MUST be in programming mode in order to use Direct commands.(For information about using direct commands from a resident's phone see pages 23-24.

## Direct Commands - 91-97

1. Select one of the following:

### CYCLE RELAY 1:

1. Press   then 

Cycles relay #1. Typically used to momentarily open door/gate..

### CYCLE RELAY 2:

1. Press   then 

Cycles relay #2. Typically used to momentarily open door/gate.

### LATCH RELAY 1 OPEN:

1. Press   then 

Latches relay #1 open. Typically used to keep relay #1 open for unknown amount of time.

### LATCH RELAY 2 OPEN:

1. Press   then 

Latches relay #2 open. Typically used to keep relay #1 open for unknown amount of time.

### RELEASE RELAY 1:

1. Press   then 

Release relay #1 to its default status. Used to override existing unlock schedules.

### RELEASE RELAY 2:




1. Press   then 




Release relay #2 to its default status. Used to override existing unlock schedules.

### RELEASE BOTH RELAYS:

1. Press   then 

Releases both relay #1 and #2 to its default status. Used to override existing unlock schedules.

**EXAMPLE A:**    *Relay will activate now.*  
1  
*Runs complete cycle on relay #1.*

**EXAMPLE B:**    *Relay will latch open now.*  
1  
*Latches relay #2 open.*

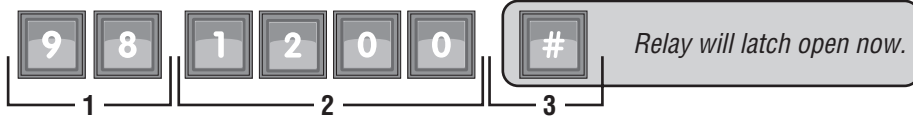
## Direct Commands - 98-99

### LATCH RELAY #1 UNTIL SPECIFIED TIME

1. Press **9** **8**
2. Enter End Time (hhmm)
3. Press **#**

Latches relay #1 open until the time of day specified. Typically used to temporarily extend an unlock schedule.

#### Example:



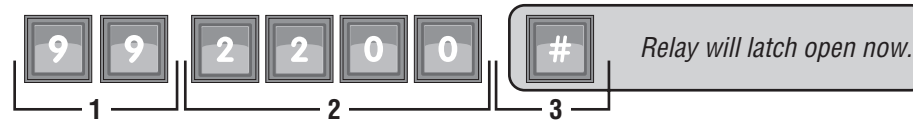
Latches relay #1 open until 12:00 PM.

### LATCH RELAY #2 UNTIL SPECIFIED TIME

1. Press **9** **9**
2. Enter End Time (hhmm)
3. Press **#**

Latches relay #2 open until the time of day specified. Typically used to temporarily extend an unlock schedule.

#### Example:



Latches relay #2 open until 10:00 PM.

**IMPORTANT NOTES:** If you make an error during an entry, press the asterisk key (\*) to begin again.  
The pound key (#) MUST be used to SAVE the data at the end of each programming step.  
Time MUST be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.)  
2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.




## Direct Commands from Resident's Phone

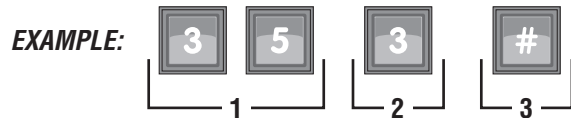
With the Direct Command feature, you can perform various functions (e.g., unlock a door) from you phone. This feature is ONLY available for a single family residence or a manager's phone sharing a phone line with the Crown Jewel.

### Enable or Disable Direct Commands -35

When enabled it allows the resident to control the system's relays from a touch tone phone.

**FACTORY SETTING: Enabled.**

1. Press  
2. Direct Command Number (0-3)
  - 0 = Disable Direct Commands
  - 1 = Enables Direct Commands from residence phone only
  - 2 = Enables Direct Commands from a remote phone only
  - 3 = Enables Direct Commands from residence or remote phone
3. Press  to save the data



The unit will receive direct commands from both the residence and a remote phone.

The following commands are carried out by simply picking up the residence telephone and dialing the following key combinations.

**IMPORTANT NOTE:** These steps will override any existing unlock schedules for the day they are entered.

**NOTE:** Some areas of the country have a phone company that makes use of the “#” or “\*” key as a code to invoke a special function. If this is true of your area, you can choose an alternate direct command prefix that uses a number followed by a “#” key. If you wish to use this feature, please refer to Setting Alternate Prefixes, page 29.

### Various Direct Commands from the Resident's Telephone - 91-97

1. Press   from the residence phone.

The unit is now prepared to accept a direct command.

2. Select one of the following options:

A. **CYCLE RELAY 1:** Press   then 

Cycles relay #1. Typically used to momentarily open a door/gate for a visitor without having the visitor initiate a call.

B. **CYCLE RELAY 2:** Press   then 

Cycle relay #2. Typically used to momentarily open a door/gate for a visitor without having the visitor initiate a call.

C. **LATCH RELAY 1 OPEN:** Press   then 










Latches relay #1 open, Typically used when the gate/door needs to be kept open for an unknown amount of time.






D. **LATCH RELAY 2 OPEN:** Press   then 

Latches relay #2 open, Typically used when the gate/door needs to be kept open for an unknown amount of time.

**Continued on next page.**






## Various Direct Commands from the Resident's Telephone - 91-97 (Continued)

- E. **RELEASE RELAY 1:** Press   then   
Release relay #1 to its default status. Used to override existing unlock schedules.
- F. **RELEASE RELAY 2:** Press   then   
Release relay #2 to its default status. Used to override existing unlock schedules.
- G. **RELEASE BOTH RELAYS:** Press   then   
Releases both relay #1 and #2 to its default status. Used to override existing unlock schedules.

**EXAMPLE A:**      *Relay will activate now.*

1                      2

*Cycles relay #1.*





**EXAMPLE B:**      *Relay will latch open now.*

1                      2










*Latches relay #1 open.*

## Various Direct Commands from the Resident's Telephone - 98 & 99

### LATCH RELAY #1 UNTIL SPECIFIED TIME

1. Press  
2. Press  
3. Enter End Time (hhmm)
4. Press 

**Example:**


         *Relay will latch open now.*

1                      2                      3










*Latches relay #1 open until 11:00 AM.*

Latches relay #1 open until the time of day specified. Typically used to temporarily extend an unlock schedule.

### LATCH RELAY #2 UNTIL SPECIFIED TIME

1. Press  
2. Press  
3. Enter End Time (hhmm)
4. Press 

**Example:**

         *Relay will latch open now.*







1                      2                      3

*Latches relay #2 open until 10:00 PM.*

Latches relay #2 open until the time of day specified. Typically used to temporarily extend an unlock schedule.

## Multi-Unit Sites and Direct Commands from the Resident's Telephone

**NOTE:** If the Crown Jewel unit you wish to give a Direct Command to is part of a multi-link chain you must enter the Crown Jewel Unit Number before entering the command number.

**EXAMPLE:**       *Relay will activate now.*

1                      2                      3

*Cycles relay #1 on Crown Jewel Unit # 5 (Data field #2 designates which unit is to respond to the direct command entered).*

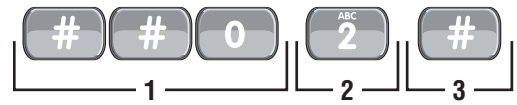


## Using the In-House Paging Feature - ##0

This direct command will cause any telephone connected to the Crown Jewel's phone line to give a distinctive ring.

1. Press from the residence phone ONLY.
2. Enter Ring Digit (1-4)
  - 1 = Single Ring
  - 2 = Double Ring
  - 3 = Triple Ring
  - 4 = Quadruple Ring
4. Press . Then hang up the telephone.

EXAMPLE:



Any telephone connected to the Crown Jewel will ring twice until the telephone receiver is picked up.

## Enable/Disable Alarm Call- 21

1. Press
2. Enter Alarm Code Mode (0-3)
  - 0 = Disables Alarm Call
  - 1 = Unit will make an alarm call when the door is forced open
  - 2 = Unit will make an alarm call when a keypad has "Stuck-Out"
  - 3 = Unit will make and alarm call when the door is forced open or when the keypad has "Struck-Out"
3. Press

EXAMPLES:

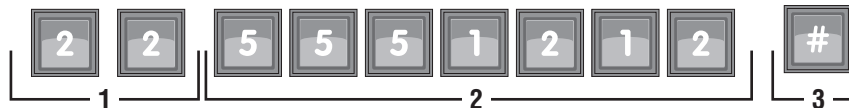


Sets the Crown Jewel unit to make an alarm call when the door is forced open or the keypad has "Struck-Out".

## Set Alarm Call Number - 22

1. Press
2. Enter Alarm Call Number (up to 12 digits) or enter "00" to contact the residents telephone.
3. Press

EXAMPLES:



Sets the Crown Jewel Keypad so it will stop accepting codes after 3 unsuccessful attempts.

## Speak Through the Crown Jewel Speaker - 90

This direct command allows the user to speak through the Crown Jewel speaker to greet visitors, ward off vandals, etc.

1. Press from the residence phone.  
The unit is now prepared to accept a direct command.
2. Press from the residence phone.
3. Press

## Multiple Unit Installations

Up to seven (7) Crown Jewels can be installed on a single telephone line. Each unit must have a unique number from 1-7. Visitor calls can only be taken one at a time. For example: if you take a visitor call from the main gate (unit #1) and a visitor attempts to call from a rear gate (unit #2), you will not be notified until the first call is disconnected. However, if you are making a regular phone call, the call waiting feature will operate normally.

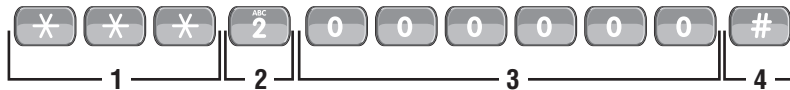
## Programming Multiple Units

When you program the Crown Jewel from the residence telephone or a remote telephone, you **MUST** include the unit ID code.

### Using the Resident's Telephone

1. Press on the resident phone
2. Enter Unit ID Code (1-7)
3. Enter Unit Password (6-digits). The unit will emit a high-pitched tone
4. Press . The tone will stop and the Crown Jewel unit is ready for programming

**EXAMPLE:**

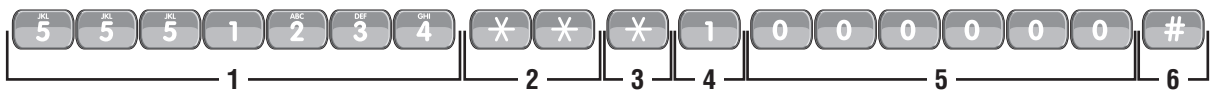


*Enters unit #2 into programming mode. Unit #2 is now ready to receive programming input.*

### Using a Remote Telephone

1. Dial the residence telephone number  
When the Crown Jewel picks up the call, the unit will beep twice.
2. Press . The unit will beep twice again.
3. Press
4. Enter Unit ID Code (1-7)
5. Enter Unit Password (6-digits). The unit will emit a high-pitched tone
6. Press . The tone will stop and the Crown Jewel unit is ready for programming

**EXAMPLE:**






*Enters unit #1 into programming mode. Unit #1 is now ready to receive programming input.*

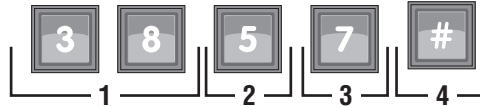
**IMPORTANT NOTES:** If you make an error during an entry, press the asterisk key (\*) to begin again.  
The pound key (#) **MUST** be used to SAVE the data at the end of each programming step.  
Time **MUST** be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.)  
2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.

## Set the Unit Number- 38

Adding or removing Crown Jewels will require the Unit ID's to be re-entered. The Unit ID can ONLY be programmed using the Crown Jewel keypad.

1. Press  
2. Enter Unit ID Code [Unit Number] (1-7)
3. Enter total number of units in chain (2-7)
4. Press 

**EXAMPLE:**



Sets the Unit ID Code as "#5" in a chain of "7" Crown Jewel units.

## Verify the Unit Number - 37

1. Press  
2. Press 

The unit will respond with the number of beeps corresponding to its unit number.

**IMPORTANT NOTES:** If you make an error during an entry, press the asterisk key (\*) to begin again.  
The pound key (#) MUST be used to SAVE the data at the end of each programming step.  
Time MUST be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.)  
2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.

## Other System Settings

### Rings Before Answer - 29

Sets the number of rings before the Crown Jewel will answer a call from a remote telephone. If you have an answering machine (or answering service) attached to the same telephone line as the unit, set the Crown Jewel count for two (2) or more rings higher than the answering machine/service count. **FACTORY SETTING: 5 Rings**

1. Press  
2. Enter Number of Rings (1-15)
3. Press 




**EXAMPLE:**



The Crown Jewel unit will answer the call after 6 rings from a remote telephone.

### Set Alternate Prefix - 36

When you press either “##” or “QQQ” on the resident phone, the Crown Jewel will look for Direct Commands or Programming and it disconnects the phone line and waits for a command. Some Telephone companies require “#” and “\*”. **FACTORY SETTING: 00 (“##” = Direct Commands; “\*\*\*” = Programming).**

1. Press  
2. Enter Alternate Prefix Mode
  - 00 = To enter Direct Commands use “##”; Programming use “\*\*\*”
  - 01 = To enter Direct Commands use a combination of 2 keys (i.e. “#\*” or “\*#”); Programming use a combination of three keys (i.e. “##\*” or “\*##”)
  - 02 = To enter Direct Commands use “\*\*”; Programming use “\*\*\*”
  - 03 = To enter Direct Commands use “##”; Programming use “##”
  - 04 = Resident will NOT be able to program from their telephone or use Direct Commands
  - 1[N] = To enter Direct Commands use “[N]#”; Programming use “[N][N]\*”. ([N] = Any number (1-9) on the telephone keypad.)
3. Press 




**EXAMPLE:**



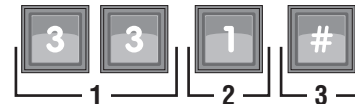
Sets the Alternate Prefix to enter Direct Commands to “#\*” or “\*#”; and Programming to “##\*” or “\*##”.

### Enable/Disable the No-Telco Mode- 33

No-Telco mode is used when a unit is NOT using a phone line. After enabling the “No-Telco” mode, Step #32 -”Reset the Unit” MUST be performed. **FACTORY SETTING: 0 (Disabled)**

1. Press  
2. Enter No-Telco Mode (1-digit)
  - 0 = Disables No-Telco Mode
  - 1 = Enables No-Telco Mode
3. Press 


**EXAMPLE:**



Enables No-Telco Mode

### Override Telephone Company Answering Service- 43

To override the answering service, dial the number attached to your unit, let the phone line ring once or twice and disconnect the call. After a few seconds redial. The Crown Jewel will answer immediately. **FACTORY SETTING: 20 seconds**

1. Press  
2. Enter Delay Time (1-99 seconds)
3. Press 

**EXAMPLE:**



Sets the answering service delay to 15 seconds.

## Reset/Restore the Crown Jewel Unit

PROCEED WITH CAUTION!

When performing any of the following programming steps, information will be deleted from the system. You cannot retrieve the deleted information unless the information is saved in the CJWIN software.

### Reset the Unit - 32

This will reset the unit without disconnect the power. if you MUST reset the unit contact your installing dealer. This may indicate a larger problem with the system or installation.

1. Press  
2. Press 

IMPORTANT NOTE: Once the pound key (#) is pressed the unit will beep once, reset, exit out of the programming mode and beep 4 times.










### Restore Factory Settings - 31

When this step is initiated, the relays that were latched (timed or untimed) before this step, will become unlatched. Entry codes and schedules will not be reset.

1. Press  
2. Press 





#### Reset System Memory- 31

This will reset the Crown Jewel unit to factory defaults. ALL data will be deleted from the Crown Jewel system. Data will need to be programmed.

1. Press  
2. Press      
3. Press 

### Erase ALL Transactions - 88

This will erase ALL of the transactions that are currently stored in the system.

1. Press  
2. Press      
3. Press 

**IMPORTANT NOTES:** If you make an error during an entry, press the asterisk key (\*) to begin again.  
The pound key (#) MUST be used to SAVE the data at the end of each programming step.  
Time MUST be entered using a 24-Hour format (8:00 AM = 0800, 3:00 PM = 1500 etc.)  
2 Short Beeps: Programming input is valid 1 Long Beep: Input is not valid.

For technical support, please contact your local Chamberlain dealer.

Visit Sentex on the web at:  
***[www.chamberlain.com](http://www.chamberlain.com)***

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