


Programming the Receiver and Transmitters (5700 and 5800 RF Systems)

1. With at least one 2-line Alpha keypad (5137AD or 6139) connected to the keypad terminals, power up the system temporarily. If you had previously connected the AC transformer to the control panel, you need only plug in the transformer (to 120VAC outlet) to power up the system.
2. Enter the programming mode by keying the following:
Installer Code + 8 + 0..

 **Data field *22 RF SYSTEM TYPE.** must be programmed before continuing (for a 5800 RF system, enter "2"; for a 5700 RF system enter "1").

3. ***24. RF HOUSE ID CODE** Default is 00.
The House ID identifies 5700 series wireless keypads in a 5700 RF system. In a 5800 RF system, if a 5827 or 5827BD Wireless keypad is to be used, a House ID code **MUST** be entered (01-31), and the keypad should be set to the same ID. If no wireless keypad is to be used, enter "00".
4. **Press *56. (Zone Programming Mode)**
Use this mode to program zone numbers, zone types, alarm report codes, and to enter serial numbers for 5800 RF devices for all wireless expansion zones that are going to be used in the system.

Enter Zn Num.
(00 = Quit) 20

Zone 20 entered ↑

Zn ZT - RC In:
20 00 - - - :

↓ Zone Number

20 Zone Type
Perimeter 03

Entry for Zone Type
03 shown

A detailed explanation of each zone type is provided in the **ZONE RESPONSE TYPE DEFINITIONS** section in the separate **Programming Guide** manual.

5. Enter the zone number that you wish to program. As an example, zone 20 is shown entered here.

You can assign zone *numbers* between 10 and 63 to transmitters. However, the total number of wireless zones that can be used is 16, depending on the RF receiver used. See Table 1 on a previous page.

6. A summary display will appear, showing the status of that zone's program.

If it is programmed satisfactorily, press [#] to back up one step and enter another zone number, if desired.

If the zone is not programmed, or you want to change it, press [*]. A prompt for Zone Type will appear.

7. Each zone must be assigned a zone type, which defines the way in which the system responds to faults in that zone.

Enter the zone type (or change it, if necessary). Zone types that you can assign are listed below. Enter the desired zone type code as listed.

- | | |
|------------------------------|------------------------|
| 00 = Zone Not Used | 09 = Fire |
| 01 = Entry/Exit Burglary | 10 = Interior w/Delay |
| 03 = Perimeter | 20 = Arm-Stay* |
| 04 = Interior Follower | 21 = Arm Away* |
| 05 = Trouble Day/Alarm Night | 22 = Disarm* |
| 06 = 24 Hr Silent | 23 = No Alarm |
| 07 = 24 Hr Audible | Response |
| 08 = 24 Hr Aux | (EX: Relay activation) |

* These are special zone types used with 5800 series wireless pushbutton units which will result in arming the system in the STAY or AWAY mode, or disarming of the system, depending on the selection made. A button programmed for these functions will report zone number as the user number to the central station.

When the display shows the zone type you want, press [*] to continue.

20 Report Code
1st 03 2nd 12 3C

8. Enter the report code.

The report code consists of 2 hexadecimal digits, each in turn consisting of 2 numerical digits. For example, for a report code of "3C", enter [0][3] for "3" and [1][2] for "C".

See the *SYSTEM COMMUNICATIONS* section for complete information on report codes, if necessary.

Press [*] to continue.

20 Input Device
RF Trans. RF:

9. For the hardwired zones (HW), and the zones for a 5700 system's transmitters (RF), the Input Device types are automatically assigned (Panic, Duress, and Tamper inputs are not applicable).

For a 5800 system's transmitters, "RF" is initially displayed; however, for units that can be carried off-premises (e.g., No. 5801), this should be changed to "UR" (Unsupervised RF, enter "4"); for small transmitters that cannot be supervised (e.g., Nos. 5802, 5802CP, 5803, 5804), change to "BR" (Button type RF, enter "5"). Check the instructions that come with the transmitter for the proper input.

The "Compatible 5800 Series Transmitters" table in this section shows the "Input Type" to be entered for each 5800 series transmitter.

Enter the appropriate Input Type for the transmitter being programmed.

3 = supervised RF transmitter (RF type)

4 = unsupervised RF transmitter (UR type)

5 = RF button type transmitter (BR type)

Press [*] to continue.

The following procedures (steps 10-14) are for 5800 RF Systems only.

20 Learn S/N ?
0 = No 1 = Yes 0

10. Entering RF Serial Numbers (L):

At this point, install a battery in the transmitter (5800 type) whose serial number is to be entered (not applicable to transmitters with permanently built-in batteries such as 5802/5802CP and 5803). See special note on transmitter batteries on next page.

The transmitter serial number and input loop number can be entered here or via *83 mode, or entered via the downloader). We recommend you use *83 mode if you are only changing a wireless transmitter, and wish to maintain the other zone parameters. See the *USING *83 MODE TO ADD, DELETE, OR CHANGE SERIAL NUMBERS OF 5800 SERIES WIRELESS TRANSMITTERS* section.

If "1" (yes) is selected, the display at the left will appear.

20 INPUT S/N:
L
A

11. There are two methods that can be used to enter the transmitter's serial number and input loop number.

(A) You can enter the serial number and input loop number manually at the keypad,

or

(B) You can activate the transmitter, causing it to transmit.

Typical display after Serial & Loop numbers have been accepted by the system

16	INPUT	S/N:	L
A	1	2	3
4	5	6	7
			2

↑
↑
 Serial # Loop #

Method A.

Using an Alpha keypad, enter the 7-digit serial number (found on the transmitter). This number will always start with an "A".

Then enter the loop number. Refer to "5800 Series Transmitter Input Loop Identification Table" in the separate Programming Guide manual for input loop identification for each of the available transmitters. An example of a display after acceptance is shown at the left.

Method B

Activate the transmitter by pressing and releasing its button, opening and closing a contact, etc. A "beep" will be heard. After approximately 8 seconds, activate the transmitter again - 2 "beeps" will occur, and the serial and loop numbers will be displayed, indicating that the unit has been accepted into the system. An example of a display after acceptance is shown on the left.

A single long beep indicates that the serial number has been previously accepted for the system.

Note: The loop number cannot be changed or deleted at this point.

If necessary, refer temporarily to "5800 Series Transmitters Table" earlier in this section for the specific method used to activate each of the available transmitters.

12. Mark the zone number on the transmitter. If the transmitter is a multi-button type, each of the buttons used must be assigned to a different zone, and each of the buttons must be entered (the serial number for each transmitter remains the same, however).

	<p>Batteries can remain in the transmitters after the transmitters have been entered into the system. To prevent possible problems, make sure these transmitters are not faulted while other transmitters are being entered. Wireless motion detectors should be covered or placed face down to prevent transmissions.</p>
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Typical summary display

Zn	ZT	-	RC	In:	L
20	03	-	3C	RF:	2

Accepted Input Loop ↑
Number

Program Alpha?
0 = No 1 = Yes 0

Enter Zn Num.
(00 = Quit) 21

13. After the transmitter has been entered into the system, press [*] to continue the programming.

A summary of the programmed values for the selected zone will now be displayed, with the accepted input loop number under the "L" in the display.

If all is okay, press [*] for the next display.

Alpha descriptors for the zones can be done now (enter 1) or may be done at a later time using *82 interactive mode (enter "0").

Refer to *ALPHA DESCRIPTOR PROGRAMMING* for carrying out the procedure in the *82 interactive menu mode.

If you entered "0" (no) in response to the Program Alpha? prompt, the system will display a prompt for entry of the number for the next wireless expansion zone to be programmed.

Special Notes on Zone Programming (5700 and 5800 RF Systems)

14. Proceed with the programming of the next zone, as indicated previously.

15. To exit field *56 when completed, key [0][0] at the "Enter Zone Number" prompt.

16. Exit the programming mode by keying *99.

- In field *56, at the summary line for each zone, the entered values can be checked. If you wish to change anything, press [#] to move to the previous entry. Press [#] a number of times to move to earlier entries. Press [*] to move to later entries again.
- Zone entries can be reviewed by pressing [#][5][6]. Changes cannot be made here, so this is safer for review. Enter the first zone number to be viewed and press [#]. To view each zone, press [#] and the zone number will advance to the next programmed zone. When the end of the list is reached, press [0][0] to exit. This method of exiting may also be done at any time during the review.
- To either temporarily or permanently remove a zone from the system, go into programming mode and press [*][5][6]. Enter the zone number and press [*]. At the Zone Type prompt, enter [0][0] and [*]. This sets the type of the zone to Not Used. The next prompt will be "Delete Zone?". "Yes" will permanently remove the zone from the system, while "No" will disable it but retain all data except the original zone type. You can then go back to this zone later and put back an active Zone Type to re-enable it.

Check-Out Procedure for Wireless Zones

Go/No Go Test (5700 & 5800 RF Systems)

Before mounting transmitters permanently, conduct Go/No Go tests to verify adequate signal strength and reorient or relocate transmitters if necessary. During this mode, wireless receiver gain is reduced by 50%. Testing in this mode assists in determining good mounting locations for the transmitters and verifies that the RF transmission has sufficient signal amplitude margin for the installed system.

1. Enter the Installer Code + # + 4
2. Once transmitters are placed in their desired locations and the approximate length of wire to be run to sensors is connected to the transmitter's screw terminals, fault each transmitter. *Do not conduct this test with your hand wrapped around the transmitter as this will cause inaccurate results.*
 - The keypad will beep three times to indicate signal reception.
 - If the keypad does not beep, re-orient or move the transmitter to another location. Usually a few inches in either direction is all that is required.
3. Mount the transmitter according to the instructions provided with the transmitter.
4. Exit the GO/NO GO test mode by entering Installer Code + (OFF).

Transmitter ID Sniffer Mode (5700 & 5800 RF Systems)

When all transmitters have been installed, use the Transmitter Sniffer Mode to test that they have all been properly programmed.

1. Enter Installer Code + # + 3. The keypad will display all zone numbers of wireless units programmed into the system.
2. Fault each wireless zone, causing each device to transmit. As the system receives a signal from each of the transmitters, the zone number of that transmitter will **disappear** from the display.



A transmitter's serial number not entered (5800 series) or not dipswitched correctly (5700 series) will not turn off its zone number.

3. To exit the Transmitter Sniffer mode, enter the Installer Code + (OFF).

To Either Temporarily Or Permanently Remove A Zone From The System (5800 series).

1. Enter the programming mode (Installer Code + 8 + 0) and press [*][5][6].
2. Enter the zone number and press [*]. A summary display will appear.
3. Press [*] again.

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20 Zone Type
Not Used    00
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20 Delete Zone?
1 = Yes    0 = No
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4. The "Zone Type" prompt will appear. Enter [0][0]. This sets the zone type to "Not Used". Press [*] to continue.

5. The next prompt will ask whether you want to delete the zone.

"Yes" will permanently remove the zone from the system, while a "No" will disable it but re-

tain all data except the original zone type. You can then go back to this zone later and put back an active zone type to re-enable it.

A serial number that has been entered for a 5800 system will not be deleted if the zone is temporarily disabled by answering "No" to the prompt above.

If only the physical transmitter is to be removed or changed (i.e., its serial number deleted, as when replacing a unit that has a non-removable battery), it can be done in *56 Mode; however, it can also be done using the *83 mode (see the *USING *83 MODE TO ADD, DELETE, OR CHANGE SERIAL NUMBERS OF 5800 SERIES WIRELESS TRANSMITTERS* section).

Deleting a Transmitter Serial Number From a Zone in *56 Mode (5800 series)

The abbreviated procedure below can be used to delete a serial number from a zone, using the *56 Mode.

A detailed procedure for adding, deleting, or changing serial numbers of wireless transmitters is also provided in the *USING *83 MODE TO ADD, DELETE, OR CHANGE SERIAL NUMBERS OF 5800 SERIES WIRELESS TRANSMITTERS* section.

Abbreviated Procedure:

1. In the programming mode, press [*][5][6] to enter Zone Programming mode.
2. Then enter the zone number, and press [*] repeatedly until the cursor is under the RF Input Loop (L) position. This is the specific input (loop) or button on the transmitter that has been entered for that zone.
3. Enter a [0] at this point, then press [*].
4. A prompt "Delete S/N?" will appear.
Enter "Yes" to delete the existing serial number from the system.
Note that the other programmed values for that zone will not be deleted. This will allow you to re-instate a new transmitter in its place.
5. A display for the next zone number will appear. To exit, enter "00".
6. Press *99 to exit the programming mode.