

Spectrum Plus™ Series Telephone User's Guide

**PROGRAMMING
INSTRUCTIONS
SP200 / SP300 / SP400**

Programming

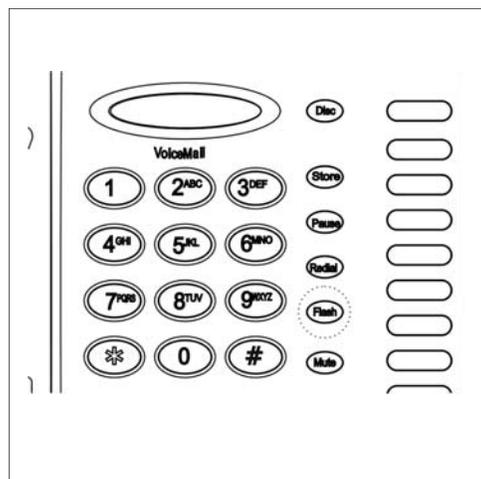
Programming Flash Timing into Memory

Flash Timing can be programmed into the Spectrum PLUS™ speed dial memory. This function allows for a timed line break in the sequence of the dialing patterns when using the speed dial keys. This function may be required for accessing line features provided by your telephone system or local telephone company. The flash timing options are 100 through 1000 milliseconds, programmable in 100mS increments.

To Find the Correct Flash Timing

The factory default Flash Timing is programmed at 600mS and is the most commonly used timing option. However, the timing can be reprogrammed between 100mS to 1000mS, when needed.

1. Check with your local service provider or PBX provider to select the appropriate timing.
2. If different timing is required, follow the Flash Time Programming instructions on the next page.



Using A Flash When Dialing

To use a Flash when dialing, simply press the **"FLASH"** key at the appropriate point in the number sequence being dialed from the key pad.



NOTE: Each "Flash" counts as 1-digit when stored into a speed dial memory location.

Programming

Programming Flash Timing

Flash timing can be programmed for different timing options listed below.

1. Position the handset in the Off-Hook position (lift the handset).
2. Press the "STORE" key once.
3. Press "*" key for 3-seconds until an alert sound is heard.
4. Press the following keys on the keypad in the order shown:

For 100mS press "1", then "#".
For 200mS press "2", then "#".
For 300mS press "3", then "#".
For 400mS press "4", then "#".
For 500mS press "5", then "#".
For 600mS press "6", then "#".
For 700mS press "7", then "#".
For 800mS press "8", then "#".
For 900mS press "9", then "#".
For 1000mS press "0", then "#".

4. Place the handset cradle to the On-Hook position.

Programming Example for 100mS

Go Off hook with handset, press "store" once, then "*" for 3-seconds to enter set up mode, then "1", then "#". Place the handset into cradle to the on-hook Position.



NOTE: The Flash Timing factory default is 600mS

Programming

Programming Pause Timing

A Pause time between 1.0-seconds to 5.0-seconds can be programmed into memory. This function allows for a delayed timing for those systems requiring a different time delay and allows the user to delay the dialing pattern of a number. This function may be required for accessing line features provided by telephone provider or local telephone company. A speed dial number may need to pause during its dialing sequence to ensure proper connections.

PROGRAMMING THE PAUSE TIME OPTION

Pause timing can be programmed for different timing options listed below.

1. Lift the Handset from it's cradle so it is in a off-hook position.
2. Press the "**STORE**" key once.
3. Press the "#" key for 3-seconds until an alert sound is heard.
4. Program the pause time into memory by using the keypad. Press the following keys on the keypad in the order shown for the desired pause time.

For 1.0-second	press "1" "0" then "#".
For 2.0-seconds	press "2" "0" then "#".
For 3.6-seconds	press "3" "6" then "#".
For 4.0-seconds	press "4" "0" then "#".
For 5.0-seconds	press "5" "0" then "#".

4. To exit the program mode, place the handset back in the cradle in an on-hook position.



NOTE: The default Pause time is 3.6-seconds.



NOTE: If you require a pause time delay longer than the maximum setting of 5.0S, stack the pauses within the dialing pattern to achieve the longer timing.

Programming

Programming a Pause into Speed Dial Memory

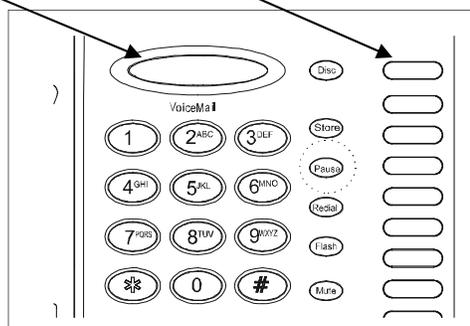
Pause time can be programmed into the speed dial memory. This function will delay the dialing pattern of a number when stored in the phone's speed dial memory. Multiple pauses can be programmed into the dialing pattern for added delay time. To store a Pause into Speed Dial memory, simply press the Pause key in the numbering sequence when programming Speed Dialing Keys. See programming Speed Dial Memory on the next page.

Programming Pause into Voice Mail

To store a Pause time into Voice Mail memory, simply press the Pause key in the numbering sequence when programming the Voice Mail Speed Dial Key. See programming Voice Mail on the next page.

Note: Programming can only be performed when the phone is off-hook

NOTE: The default Pause timing is 3.6-seconds. A multiple of Pauses can be programmed into speed dial memory to increase the delay.



Using a Pause when Dialing a Phone Number

To use a Pause when dialing, press the **"PAUSE"** key at the appropriate point in the number sequence being dialed from the key pad.

NOTE: Each "Pause" counts as 1-digit when stored into a speed dial memory location..

Programming

Programming Voice Mail

The Spectrum PLUS™ Telephone has a one-touch speed dial Voice Mail key that is convenient for dialing into your Voice Mail service.

- Speed dial programming must be done with the telephone plugged into the telephone line and power adapter.
- Programming can be performed with the telephone off-hook only.
- A maximum of 32-digits can be entered into ENTER NUMBER.

Programming Procedure

1. Voice Mail speed dial programming must be done with the telephone plugged into the telephone line.
2. The handset must be "off-hook".
3. Press the "Store" key.
4. Dial the telephone number that is to be saved using the numeric dial pad.
5. Press the Voice Mail speed dial key to store the number.
6. To exit, press "DISC" to exit or hang up the handset.

Programming

Programming Procedure Speed Dial Features

The Spectrum PLUS™ Telephone has eleven (11) one-touch speed dial locations that are convenient for dialing frequently used telephone numbers.

- Speed dial programming must be done with the telephone plugged into the telephone line and power adapter.
- Programming can be performed with the telephone off-hook only.
- A maximum of 32-digits can be entered into ENTER NUMBER.

Programming Procedure

1. Speed dial or Voice Mail programming must be done with the telephone plugged into the telephone line.
2. The handset must be "off-hook".
3. Press the "Store" key.
4. Dial the telephone number that is to be saved using the numeric dial pad.
5. Press the desired speed dial location keys (1-11) or the Voice Mail key where the number is to be saved.
6. To program additional numbers, repeat steps 3 thru 4.
7. Place the convenient pre-printed speed dial keycaps on the selected speed dial memory key or complete the paper index card and place it into the clear protective keycap. Install the keycap on the appropriate speed dial memory key.

NOTE: Blank index card sheets are provided for your convenience. Complete and place the index card into the speed dial memory key.