

AVAYA

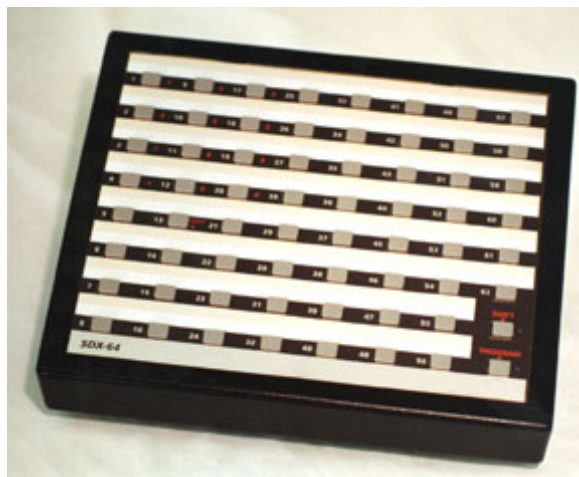
SDX-64

ONE BUTTON SPEED DIALER

USERS GUIDE

COMCODE: 407 695 725

PEC CODE: 8800-053

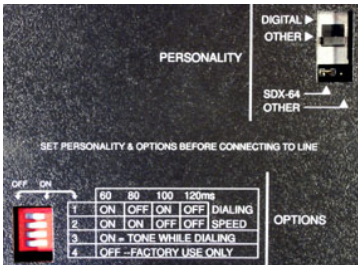


General

The SDX-64 auto-dialer is used with a voice terminal to dial stored numbers by pressing a single button. There are 62 user programmable buttons, and 2 buttons (SHIFT and PROGRAM) on the lower right to select the mode of operation. The shift button increases the dialers capacity to 124 positions. The number of digits stored for each button is 20. A 2 second wait/pause may be entered as a digit by pressing the wait key. The 13 button programming keypad is integrated into the dialer in the upper left corner and is active only when the red program led is on. An RS-232 interface allows uploading and downloading of stored number files or phonebooks created on a personal computer. Stored numbers will not be lost during a power outage.

Options

A four position dip switch, a slide switch, and a jumper are located on the underside of the SDX-64.



Dip switch

Dialing speed

Positions 1 & 2 of the dip switch select the dialing speed in milliseconds. The default setting is 80ms.

- 1 on & 2 on for 60ms dialing.
- 1 off & 2 on for 80ms dialing.
- 1 on & 2 off for 100ms dialing.
- 1 off & 2 off for 120ms dialing.

Beep while dialing

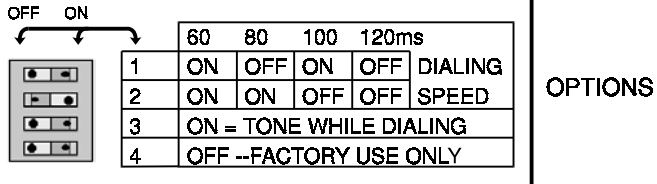
Position 3 selects the audible beep during dialing or the quiet mode. The default setting is the quiet mode.

- 3 off for quiet.

3 on for audible tone.

Option 4

Position 4 is for factory use only and should be in the OFF position. The dialer will not work if this switch is on.

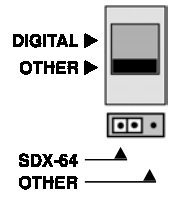


Personality

The personality switch should always be in the “OTHER” position.

The jumper below the switch should always be in the “SDX-64” position.

PERSONALITY



Installation

The SDX-64 connects to the interface module in the voice terminal. Connect the cord from the voice terminal to the SET jack on the SDX-64.

Rear panel connections

Four jacks are on the rear of the SDX-64 dialer. They are:

- 1 RS-232 --for uploading and downloading of phonebook files.
- 2 POWER --Power input, +5 volt d.c.
- 3 LINE or AUX PORT --Not used.
- 4 SET --Connection to the module in the set.



SDX-64 REAR VIEW.

All installations

Plug in the power adapter supplied with the SDX-64 and connect it to the POWER jack.

You may wish to fill in names before programming your SDX-64. Use the white space for standard locations and the shaded area for "shifted" locations.

Removing the overlays

To fill in names over each button location, remove the plastic cover and designation overlay. The cover and overlay are held in place by tabs at the top and bottom. Pick the clear cover up by button 4. Lift it up just until the tabs at the top and bottom on the left side pop out. Now pick the cover up by button 60 so the tabs on the right side pop out. Remove the designation overlay in the same manner.

Inserting the overlays

Insert the bottom tabs of the overlay into the slots at the bottom of the SD-64. Curl the overlay so it bows up in the middle and insert the tabs into the top slots. Replace the clear cover in the same manner. The dull side of the cover faces out. Some buttons may be trapped under the cover. Before programming or dialing, "wiggle" any buttons that are trapped until they fit through the cover.

Programming

Programming positions 1 thru 62

- 1 Press the program button (red LED goes on).

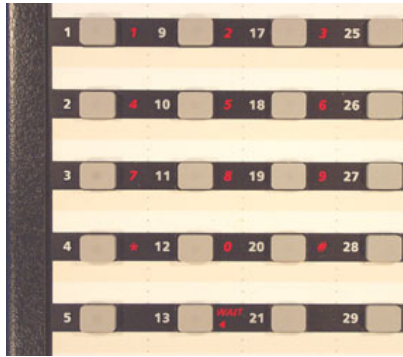
Program and shift
function keys



- 2 Select and press a location button to store a number (single tone).
- 3 Dial the number you wish to store. Use the 13 keys on the upper left of the dialer that display the touch tone numbers to the right of the button. A single tone indicates when a button is pressed.

- 4 Press the program button again, the led goes out and the confirmation tone sounds.
- 5 Repeat steps 1 thru 4 to program another number.

Keypad numbers appear to the right of the location buttons. Use these buttons to enter telephone numbers when the dialer is in the program mode.



Programming shifted locations

Locations 63 to 124 are shifted locations of buttons 1 thru 62. Use the following steps to program shifted locations:

- 1 Press the shift button (green led goes on).
- 2 Press the program button (red led goes on).
- 3 Select and press a location button to store a number.
- 4 Dial the number using the dialer's keypad.
- 5 Press the program button (Both led's go out on the shift and program buttons).
- 6 Repeat steps 1 thru 5 to store additional shifted locations.

Dialing

Go off hook at your voice terminal by lifting the handset or pressing the speakerphone button. Listen for dialtone, then press a location button. After pressing a location button, the dialed touch tones will be audible in the handset or speakerphone. If you have option switch 3 on, audible tones will also be heard from the dialer itself. To operate the dialer in the Quiet mode, turn switch 3 off.

After detecting a pressed button the dialer retrieves the number from memory and dials. The caller must be off hook on the associated phone and dial tone present before dialing begins. The dialer beeps (option 3 on) as each digit is dialed for audible feedback.

Uploading & downloading phone number lists

Setup

The dialer uses ASCII protocol for sending and receiving. The following procedures are for HyperTerminal, but other terminal emulation programs should be similar.

Start HyperTerminal. Choose a name, such as `sdx64`, and choose an icon for the connection. Click OK.

In the next window, go to “Connect using”, and select Direct to Com1 (or the port number use). Click OK.

Port Settings should be `9600@8-none-1`. If not, change them. The settings are:

Bits per second = 9600

Data bits = 8

Parity = none

Stop bits = 1

Flow control = Xon/Xoff

Click OK.

HyperTerminal opens a blank window.

Click File > Properties.

Click the Settings tab.

Under Emulation, select ANSI.

Click the ASCII Setup... button.

Under Line delay, enter 200 milliseconds.

Click OK, then click OK again.

Click File > Save As... to save your `sdx64` session properties.

HyperTerminal assigns the file a “.ht” extension by default.

To connect

Connect a serial cable between the computer and dialer.

Double click the new connection icon you created, or start HyperTerminal, and click Cancel in the New Connection window. Click File > Open... and select the connection file you created. Click Open.

Press enter and you should see the following prompt screen:

Lucent Technologies

SDX-64 Dialer

Press keyboard enter button to receive file from SDX-64

- - - OR - - -

Press SDX-64 program button to upload file from computer

Download phone numbers

Connect a RS-232 cable from the dialer to the computer.

Start HyperTerminal and connect to the dialer.

If the prompt screen is not visible, press enter.

In HyperTerminal, click Transfer > Capture Text...

Click Browse... to choose a folder and filename, and then click Save.

Do not use an existing filename. HyperTerminal will only append to a file, it will not overwrite it. If you download to the same file repeatedly, it will contain duplicate entries.

Click Start, and then press the enter key.

The dialer's memory will be displayed on the screen and captured to the filename you selected.

When the "- - - END OF FILE - - -" message is displayed, Click Transfer > Capture Text > Stop.

Press enter to return to the prompt screen.

Remove the RS-232 cable to use the dialer.

Upload phone numbers

Connect a RS-232 cable from the dialer to the computer.

Start HyperTerminal and connect to the dialer.

If the prompt screen is not visible, press enter.

Press the PROGRAM button on the SDX64.

The SDX-64 returns the message:

SDX-64 ready to receive data > > >

Click Transfer > Send Text File...

Choose the file to send and click the Open button.

It may take about 40 seconds to program all 124 locations.

The Program led on the SDX-64 will go out when

programming is complete, and the terminal window will be

blank. Press enter to return to the prompt screen.
Press enter again to view the programmed numbers.
At the “- - - END OF FILE - - -” message press enter to
return to the prompt screen.
Remove the RS-232 cable to use the dialer.

Phone number list

The telephone number list must be saved as a non-formatted
file. File rules to follow are:

- 1 The first number is the button number consisting of
1 to 3 digits (1 thru 124)
- 2 The button number must be followed by at least one
space.
- 3 The telephone number may have "-" but not spaces
for digit separators.
- 4 A comma in the telephone number will cause a 2
second delay for the second dial tone.
- 5 The telephone number must be followed by an enter
or at least one space.
- 6 Comments may follow the telephone number. A
comment must be preceded with a semicolon.
- 7 Each line must end with "enter" (carriage return)
including the last line of the file.

Phone list sample:

```
1      555-5555      ;John Smith
                ;123 Dixie Highway, Orlando,FL
14     301-555-5555 ;Mary
123    9,3015555555 ;Joe
```

ACCESSORIES INCLUDED

- 1ea. MA5 power supply:** wall plug style, regulated 5vdc.
- 1ea. D8W-87-7 cable:** cc# 103 786 786.
- 1ea. D8AC-87-7 cable:** cc# 103 786 737.



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