



# RD400

## DIALER

### USERS GUIDE

**COMCODE: 407 201 037**

**PEC CODE: 8808-073**



## ***Overview***

The RD-400 dialer is connected to a PBX telephone line to dial stored telephone numbers. It can store 999 telephone numbers with a maximum of 20 digits each. The telephone numbers are stored in a memory that retains data even during power outage. The dialer is powered from a 5vdc transformer.

## ***Voice terminal access***

### ***Dialing a number***

The dialer is accessed by a station to station call. After one ring it answers and sends out three short beep tones. The caller touch tones the desired three digit memory code between 001 and 999. The dialer replies with three short beep tones, winks its switch hook, and dials the telephone number stored at that memory location. Several seconds later the dialer disconnects. If the caller enters a three digit memory code which has no stored telephone number, the dialer will reply with a single long tone.

The first 9 memory codes may be dialed by touch toning a single digit followed by a #. Memory codes 11 thru 99 may be dialed by touch toning two digits followed by a #.

### ***Storing a number***

To enter a telephone number into the RD-400 memory, place a station to station call to the dialer. After the dialer answers and generates three short tones, touch tone in three "0"s. The dialer will reply with three short beep tones. It is now in the program mode. A telephone number can be stored at any three digit memory code between 001 and 999. After the last digit a "#" is entered to indicate the end of number.

The first memory location would store a telephone number by touch toning in the following numbers "001 555 1234#". If there is an existing number at that location it will be written over by the new number. The dialer will respond by generating three short tones.

Entering a "\*" with the telephone number will cause the dialer to wait 2 seconds. This delay may be necessary after dialing a trunk access code to wait for second dial tone.

When all the numbers are stored, touch tone a "#" to cause the dialer to disconnect.

### ***Deleting a number***

To delete a telephone number from the RD-400 memory, place a station to station call to the dialer. After the dialer answers and generates three short beep tones, touch tone in three "0"s. The dialer will reply with three short beep tones. It is now in the program mode. Enter the three digit memory code followed by a "#". The telephone number at that location is now deleted since the first digit is an end mark.

Touch tone a "#" to cause the dialer to disconnect.

### ***Computer access***

Telephone numbers can be added, deleted or changed using a computer. Connect the computer serial RS-232 port to the 9 pin connector on the RD-400. Any communication software such as "Procomm Plus@" can be used in a DOS or Windows environment. The following variables must be set in the program.

- 1] Terminal emulation = ANSI BBS
- 2] File transfer protocol=ASCII TEXT
- 3] Data speed=9600bps, 8 data, 1 stop, no parity
- 4] Connection type=Direct
- 5] CR or LF modifier=None
- 6] Download timeout=5 seconds

### ***Computer menu options***

The computer will display three choices.

- 1] Send a file to the RD-400 (upload).
- 2] Receive a file from the RD-400 (download).
- 3] Modify a single file.

## ***Avaya Communication***

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### ***File upload***

Files can be uploaded by selecting item "1" from the main menu. The RD-400 memory can be loaded using a computer generated file. This file can be created using any word processor. Names and addresses can be added, but will not be stored in the RD-400 memory. Point to the upload icon using the computer mouse. Click the left mouse button. Type a name in the file name field. Press enter or click the left mouse button over the "OK" icon.

The RD-400 will read files one line at a time, store the telephone number at the memory location indicated and discard any comments. File uploading can not be used to delete files. When creating a file of telephone numbers the following must be observed.

- 1] The first character in a line must be the first digit of the memory location. If the first character is a letter, that line will be discarded.
- 2] The three digit memory location must be followed by one or more spaces.
- 3] Telephone numbers can only contain numbers, single spaces, or a comma. The comma will cause the RD-400 to initiate a two second wait during dialing.
- 4] The telephone number must be followed by two or more spaces.
- 5] The remainder of the line can be used for names and comments.
- 6] The line must end with a carriage return line feed. (must press enter after last word or number)

When completed, the file must be saved unformatted in a plain ASCII TEXT.

### ***File download***

All of the RD-400 stored telephone numbers can be downloaded from the memory by choosing item "2" from the main menu. Point to the download icon using the computer mouse. Click the left mouse button. Input the requested file name (such as Tellist.doc). After typing in the name push the enter key or click the left mouse button over the "OK" icon. The RD-400 will now send all stored telephone numbers to the computer. It will send the 3 digit memory code followed by the telephone number. It is not able to store names and ad-

dresses. It will not list any empty files.

This file of telephone numbers can be examined and printed using any word processor.

### ***Single number change***

Single numbers may be accessed by entering "3" in the main menu. This causes the computer to display the single file screen. Inputting any three digit memory code will cause the telephone number stored there to be displayed. A subsequent prompt will allow this number to be changed or another number to be displayed.

↪ *Entering "m" will return the user to the main menu.*

↪ *Entering "b" will take the user to a help screen.*

### ***Tellist.doc***

This is an example telephone number file:

001	4601886	Aluminum Awning Corp.
002	2960106	AAA Amusement Corp.
003	18009034050	AAA bail Bond
004	9510811	AAA Budget Computer Co.
005	9,13012160800	Al Marketing
006	6303434	AAA Plumbing
010	6544005	AAA Tree Service
020	2778858	Aaban Moving
021	9277855	Ability Roofing

## ***System variables***

RD-400 system variables are stored at file location 000. Place a station to station call to the dialer. After the dialer answers and generates three short beep tones, touch tone in three "0"s. The dialer will reply with three short beep tones. It is now in the program mode. Enter the three digit memory code "000" followed by a 6 parameters and end -with "#". Disconnect,with another "#".

The 6 parameters are as follows:

- 1] 1 thru 0 = Local call disconnect time (1sec >10sec). Factory set to 3 seconds.
- 2] 1 thru 0 = Long distance call disconnect time (2sec > 20sec). Input is multiplied by 2. Factory set to 6 seconds.
- 3] 1 thru 0 = International call disconnect time (2sec > 20sec). Input is multiplied by 2. Factory set to 12 seconds.
- 4] 1 thru 0 = dialing speed (10ms thru 100ms). Factory set to 70ms
- 5] 1 = end dialing number with #. 2 = no # on end.
- 6] 1 = call transfer. 2 = 3 way conference - timed disconnect.

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## ***Specifications***

### **General**

Card dimensions ..... 5 1/2"W x 6"L x 1 1/2"D  
Power required ..... 5vdc at 50ma  
Maximum numbers stored ..... 999  
Max digits each number ..... 20

### **Levels and timing**

Touch tone output level ..... -9dbm  
Touch tone receive level ..... -4dbm to -32dbm  
Dialing speed ..... 50ms > 100ms  
Local call line hold ..... 1sec > 10sec  
Long distance call line hold ..... 1sec > 10sec  
International call line hold ..... 2sec > 20sec  
RS-232 serial port ..... 9600bps, 8 data, 1 stop, no parity

### **Indicators**

Heartbeat led indicator ..... blinks at 5pps  
Line led indicator ..... indicates telephone line current

### **Accessories included**

1ea. MA5 power supply - wall-plug style, 5vdc output with right angle plug.  
1ea. Tellabs 1911 single slot mounting shelf.  
1ea. RS-232 pigtail extension.

Specifications subject to change without notice.



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