

File created: 5-Oct-89 11:00:18 {ICE}<DENBER>LISP>LYRIC>DIALPHONE.;6

changes to: (FNS DIALPHONE)
(VARS DIALPHONECOMS)

previous date: 24-Jul-89 15:27:55 {ICE}<DENBER>LISP>LYRIC>DIALPHONE.;5

Read Table: XCL

Package: INTERLISP

Format: XCCS

```
(RPAQQ DIALPHONECOMS ((FNS DIALPHONE)
  (INITVARS (DIALHISTSZ 10)
    (DIALITEMS)
    (DIALMENU)
    (DIALPREFIX "ATDT")
    (DIALSUFFIX (CHARACTER 13))
    (LASTNUMBERDIALED)
    (PHONEBILLNUMBER))
  (BITMAPS PHONEMAP)))
```

(DEFINEQ

(DIALPHONE

(LAMBDA (NUMBER DMENU BUTTON)

; Edited 5-Oct-89 10:52 by MJD

;; Phone dialing program for Hayes-compatible modems on the RS-232 port. Creates a global var. DIALMENU (which it tries to attach to an
;; AddressBook window), and uses global strings PHONEBILLNUMBER - your local extension, and LASTNUMBERDIALED. Prompts for a
;; number from the user if NUMBER is not provided.

```
(NLSETQ (PROG ((ATOZ ' (A B C D E F G H I J K L M N O P Q R S T U V W X Y Z))
  MODEMLST MODEMSTR RS232STREAM DIALWINDOW)
  (|if| (AND (NOT NUMBER)
    (NOT DIALMENU))
    |then| ;; 1st-time-only initializations (also skip this if the first call is programmatic):
    ;; Note - no error checking:
    (OR PHONEBILLNUMBER (SETQ PHONEBILLNUMBER (PROMPTFORWORD "What is your extension
      number?" NIL NIL PROMPTWINDOW)))
    (OR PHONEBILLNUMBER (SETQ PHONEBILLNUMBER ""))
    (SETQ DIALMENU (|create| MENU
      ITEMS _ (LIST (LIST (EVAL PHONEMAP)
        NIL "Dials a phone number.))
      MENUOUTLINESIZE _ 2
      MENUFONT _ (FONTCREATE 'HELVETICA 12 'BOLD)
      WHENSELECTEDFN _ 'DIALPHONE))
    (SETQ DIALWINDOW (|for| W |in| (OPENWINDOWS) |when| (EQ (WINDOWPROP W 'TITLE)
      ' |Address Book|)
    |do| (RETURN W)))
    (|if| (NOT DIALWINDOW)
      |then| (PRINTOUT T "I couldn't find an AddressBook window to attach the Dial menu.
        Click left in the window you want it attached to, or in the
        Background to make a free-standing menu.")
      (UNTILMOUSESTATE LEFT)
      (SETQ DIALWINDOW (WHICHW)))
    (|if| DIALWINDOW
      |then| (ATTACHMENU DIALMENU DIALWINDOW 'TOP 'LEFT)
      |else| (ADDMENU DIALMENU))
    (RETURN DIALWINDOW))
  ;; The NLSETQ keeps this from breaking if the modem is already in use:
  (SETQ RS232STREAM (OPENSTREAM '{RS232} 'OUTPUT))
  (SETQ LASTNUMBERDIALED
    (|if| (NUMBERP (MKATOM NUMBER))
      |then| ;; We were invoked programmatically:
      NUMBER
      |else| ;; Called from menu, so get a number to dial:
      (|if| (EQ BUTTON 'LEFT)
        |then| ;; Wants to type it in:
        (PROMPTFORWORD "Number please:" LASTNUMBERDIALED NIL PROMPTWINDOW)
        |else| ;; Wants to select from history list:
        (MENU (|create| MENU
          ITEMS _ DIALITEMS
          TITLE _ "Number please:")))))
    (|if| (NOT LASTNUMBERDIALED)
      |then| ;; Didn't give a number, so wrap it up right here:
      (CLOSEF RS232STREAM)
      (SETQ LASTNUMBERDIALED "") ; So it won't print "NIL" next time.
      (PRINTOUT PROMPTWINDOW "...aborted." T)
      (RETURN NIL))
    (|push| DIALITEMS LASTNUMBERDIALED) ; Add to history list.
```

```

(|if| (GREATERP (LENGTH DIALITEMS)
                DIALHISTSIZE)
|then|
  (CL:NBTULAST DIALITEMS 1)
  (SETQ MODEMSTR (CONCAT LASTNUMBERDIALED))
  (|if| (INTERSECTION (UNPACK MODEMSTR)
                      (APPEND ATOZ (L-CASE ATOZ)))
|then| ;; It's got letters! Turn them into numbers:
      (SETQ MODEMLST (UNPACK MODEMSTR))
      (|for| N |from| 2 |to| 9 |as| GROUP |in| ' ( (A B C)
                                                    (D E F)
                                                    (G H I)
                                                    (J K L)
                                                    (M N O)
                                                    (P R S)
                                                    (T U V)
                                                    (W X Y)
|do| (|for| LETTER |in| GROUP |do| (DSUBST N LETTER MODEMLST)))
      (SETQ MODEMSTR (CONCATLIST MODEMLST))
      (SETQ MODEMSTR (|if| (ILEQ (NCHARS MODEMSTR)
                             5)
|then| ;; Just another extension:
      (CONCAT MODEMSTR ",")
|else| (|if| (ILEQ (NCHARS MODEMSTR)
                 8)
|then| ;; It's a local call (7 digits +optional "-"), so dial 9 first:
      (CONCAT "9" MODEMSTR)
|else| ;; Long distance, so dial 8 first and add local no. for billing:
      (|if| (STRING-EQUAL (SUBSTRING MODEMSTR 1 2)
                        "8*")
|then| ;; It's an Intelnet number:
      (CONCAT (RPLSTRING MODEMSTR 1 "8,"
                    " " PHONEBILLNUMBER)
|else| ;; It's outside:
      (CONCAT "8," MODEMSTR " " PHONEBILLNUMBER))))))
;; Dial the number and hang up:
(PRIN1 (CONCAT DIALPREFIX MODEMSTR ";H0" DIALSUFFIX)
      RS232STREAM)
(PRINTOUT PROMPTWINDOW "...dialing...")
(FORCEOUTPUT RS232STREAM)
(CLOSEF RS232STREAM)
(PRINTOUT PROMPTWINDOW "OK" T)
(RETURN LASTNUMBERDIALED)))

```

; Ensure buffer is dumped.
; Cleanup & exit.

```

)
(RPAQ? DIALHISTSIZE 10)
(RPAQ? DIALITEMS )
(RPAQ? DIALMENU )
(RPAQ? DIALPREFIX "ATDT")
(RPAQ? DIALSUFFIX (CHARACTER 13))
(RPAQ? LASTNUMBERDIALED )
(RPAQ? PHONEBILLNUMBER )
(RPAQ? PHONEMAP

```



)

FUNCTION INDEX

DIALPHONE1

VARIABLE INDEX

DIALHISTSIZ	.....2	DIALMENU	.....2	DIALSUFFIX	.....2	PHONEBILLNUMBER	.....2
DIALITEMS	.....2	DIALPREFIX	.....2	LASTNUMBERDIALED	.....2	PHONEMAP	.....2
