in

COLLABORATORS			

	TITLE : in		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		July 26, 2024	

REVISION HISTORY			

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

in

1.1 ModuleInformation

```
ShowModule v1.10 (c) 1992 $#%!
now showing: "devices/narrator.m"
NOTE: don't use this output in your code, use the module instead.

(----) OBJECT mrb
(   0)   ndi:ndi (or ARRAY OF ndi)
(  88)   width:CHAR
(  89)   height:CHAR
(  90)   shape:CHAR
(  91)   sync:CHAR
(----) ENDOBJECT      /* SIZEOF=92 */

(----) OBJECT ndi
(   0)   iostd:iostd (or ARRAY OF iostd)
(  48)   rate:INT
(  50)   pitch:INT
(  52)   mode:INT
(  54)   sex:INT
(  56)   chmasks:PTR TO CHAR
(  60)   nummasks:INT
(  62)   volume:INT
(  64)   sampfreq:INT
(  66)   mouths:CHAR
(  67)   chanmask:CHAR
(  68)   numchan:CHAR
(  69)   flags:CHAR
(  70)   f0enthusiasm:CHAR
(  71)   f0perturb:CHAR
(  72)   f1adj:CHAR
(  73)   f2adj:CHAR
(  74)   f3adj:CHAR
(  75)   a1adj:CHAR
(  76)   a2adj:CHAR
(  77)   a3adj:CHAR
(  78)   articulate:CHAR
(  79)   centralize:CHAR
(  80)   centphon:PTR TO CHAR
(  84)   avbias:CHAR
```

```
( 85)    afbias:CHAR
( 86)    priority:CHAR
( 87)    pad1:CHAR
(----) ENDOBJECT      /* SIZEOF=88 */

CONST MAXPITCH=$140,
      MINPITCH=$41,
      DEFPITCH=$6E,
      MAXCENT=$64,
      MINCENT=0,
      ND_NOWRITE=-8,
      ND_UNIMPL=-7,
      DEFPRIORITY=$64,
      ND_NOMEM=-2,
      NDF_SYLSYNC=4,
      NDF_WORDSYNC=2,
      NDB_SYLSYNC=2,
      NDB_WORDSYNC=1,
      ND_CANTALLOC=-6,
      ND_NOAUDLIB=-3,
      ND_NOTUSED=-1,
      DEFF0PERT=0,
      ND_MODEERR=-24,
      ND_RATEERR=-21,
      MAXRATE=$190,
      MINRATE=$28,
      DEFRATE=$96,
      ND_MAKEBAD=-4,
      DEFCENTRAL=0,
      ND_CENTPHONERR=-28,
      ND_PHONERR=-20,
      FEMALE=1,
      MALE=0,
      ROBOTICF0=1,
      MAXFREQ=$6D60,
      MINFREQ=$1388,
      DEFFREQ=$56B8,
      DEFARTIC=$64,
      ND_SEXERR=-23,
      ND_PITCHERR=-22,
      MINVOL=0,
      ND_VOLERR=-26,
      NDF_NEWIORB=1,
      NDB_NEWIORB=0,
      DEFMODE=0,
      ND_FREQERR=-25,
      MANUALF0=2,
      NATURALF0=0,
      MAXVOL=$40,
      DEFSEX=0,
      DEFF0ENTHUS=$20,
      ND_EXPUNGED=-9,
      DEFVOL=$40,
      ND_DCENTERR=-27,
      ND_UNITERR=-5
```