

in

COLLABORATORS

	<i>TITLE :</i> in		
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WRITTEN BY		February 12, 2023	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

in

1.1 Module Information

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

```
(----) OBJECT screenbuffer
(  0)  bitmap:PTR TO bitmap
(  4)  dbufinfo:PTR TO dbufinfo
(----) ENDOBJECT      /* SIZEOF=8 */

(----) OBJECT pubscreennode
(  0)  ln:ln (or ARRAY OF ln)
( 14)  screen:PTR TO screen
( 18)  flags:INT
( 20)  size:INT
( 22)  visitorcount:INT
( 24)  sigtask:PTR TO tc
( 28)  sigbit:CHAR
( 29)  pad1:CHAR
(----) ENDOBJECT      /* SIZEOF=30 */

(----) OBJECT extnewscreen
(  0)  leftedge:INT
(  2)  topedge:INT
(  4)  width:INT
(  6)  height:INT
(  8)  depth:INT
( 10)  detailpen:CHAR
( 11)  blockpen:CHAR
( 12)  viewmodes:INT
( 14)  type:INT
( 16)  font:PTR TO textattr
( 20)  defaulttitle:PTR TO CHAR
( 24)  gadgets:PTR TO gadget
( 28)  custombitmap:PTR TO bitmap
( 32)  extension:PTR TO tagitem
(----) ENDOBJECT      /* SIZEOF=36 */

(----) OBJECT ns
```

```
( 0) leftedge:INT
( 2) topedge:INT
( 4) width:INT
( 6) height:INT
( 8) depth:INT
(10) detailpen:CHAR
(11) blockpen:CHAR
(12) viewmodes:INT
(14) type:INT
(16) font:PTR TO textattr
(20) defaulttitle:PTR TO CHAR
(24) gadgets:PTR TO gadget
(28) custombitmap:PTR TO bitmap
(----) ENDOBJECT      /* SIZEOF=32 */

(----) OBJECT screen
( 0) nextscreen:PTR TO screen
( 4) firstwindow:PTR TO window
( 8) leftedge:INT
(10) topedge:INT
(12) width:INT
(14) height:INT
(16) mousey:INT
(18) mousex:INT
(20) flags:INT
(22) title:PTR TO CHAR
(26) defaulttitle:PTR TO CHAR
(30) barheight:CHAR
(31) barvborder:CHAR
(32) barhborder:CHAR
(33) menuvborder:CHAR
(34) menuhborder:CHAR
(35) wbortop:CHAR
(36) wborleft:CHAR
(37) wborright:CHAR
(38) wborbottom:CHAR
(40) font:PTR TO textattr
(44) viewport:viewport (or ARRAY OF viewport)
(84) rastport:rastport (or ARRAY OF rastport)
(184) bitmap:bitmap (or ARRAY OF bitmap)
(224) layerinfo:layer_info (or ARRAY OF layer_info)
(326) firstgadget:PTR TO gadget
(330) detailpen:CHAR
(331) blockpen:CHAR
(332) savecolor0:INT
(334) barlayer:PTR TO layer
(338) extdata:PTR TO CHAR
(342) userdata:PTR TO CHAR
(----) ENDOBJECT      /* SIZEOF=346 */

(----) OBJECT drawinfo
( 0) version:INT
( 2) numpens:INT
( 4) pens:PTR TO INT
( 8) font:PTR TO textfont
(12) depth:INT
(14) resolutionx:INT
```

```
( 16) resolution:INT
( 18) flags:LONG
( 22) checkmark:PTR TO image
( 26) amigakey:PTR TO image
( 30) longreserved[5]:ARRAY OF LONG
(----) ENDOBJECT      /* SIZEOF=50 */
```

```
CONST SA_SYSFONT=$8000002C,
      SA_FONT=$8000002B,
      SA_DETAILPEN=$80000026,
      BARDETAILPEN=9,
      FILLPEN=5,
      DETAILPEN=0,
      SA_COLOMAPENTRIES=$8000003C,
      SA_TYPE=$8000002D,
      SCREENTYPE=15,
      PSNF_PRIVATE=1,
      OSCAN_STANDARD=2,
      SPOS_RELATIVE=0,
      SA_DUMMY=$80000020,
      SDEPTH_TOBACK=1,
      POPPUBSCREEN=2,
      CUSTOMSCREEN=15,
      PUBLICSCREEN=2,
      WBENCHSCREEN=1,
      SA_ERRORCODE=$8000002A,
      SA_PUBTASK=$80000031,
      SA_AUTOSCROLL=$80000039,
      AUTOSCROLL=$4000,
      SPOS_ABSOLUTE=1,
      OSERR_NOEMEM=3,
      OSERR_ATTACHFAIL=8,
      NS_EXTENDED=$1000,
      SA_DISPLAYID=$80000032,
      SA_MINIMIZEISG=$80000049,
      SA_QUIET=$80000038,
      SCREENQUIET=$100,
      SA_VIDEOCONTROL=$80000044,
      SDEPTH_INFAMILY=2,
      SA_INTERLEAVED=$80000042,
      HIGHLIGHTTEXTPEN=8,
      BACKGROUNDPEN=7,
      FILLTEXTPEN=6,
      TEXTPEN=2,
      OSERR_NOCHIPS=2,
      PEN_C0=$FEFF,
      PEN_C1=$FEFE,
      PEN_C2=$FEFD,
      PEN_C3=$FEFC,
      SDEPTH_TOFRONT=0,
      OSERR_NOTAVAILABLE=9,
      SA_DRAGGABLE=$8000003E,
      SA_PUBSIG=$80000030,
      SA_COLORS=$80000029,
      SPOS_FORCEDRAG=4,
      BARTRIMPEN=11,
      OSCAN_TEXT=1,
```

```
SA_OBSOLETE1=$80000035,  
PENSHARED=$400,  
SA_SHOWTITLE=$80000036,  
SA_TITLE=$80000028,  
SHOWTITLE=16,  
SHANGHAI=1,  
SHADOWPEN=4,  
SA_BLOCKPEN=$80000027,  
BARBLOCKPEN=10,  
BLOCKPEN=1,  
OSERR_NOCHIPMEM=4,  
BEEPING=$20,  
SA_COLORS32=$80000043,  
SA_PARENT=$8000003D,  
SA_EXCLUSIVE=$8000003F,  
SA_TOP=$80000022,  
SPOS_MAKEVISIBLE=2,  
SA_FULLPALETTE=$8000003B,  
OSERR_UNKNOWNMODE=6,  
SA_LIKEWORKBENCH=$80000047,  
SA_HEIGHT=$80000024,  
STDSCREENHEIGHT=-1,  
SA_RESERVED=$80000048,  
SHINEPEN=3,  
SA_BACKCHILD=$80000046,  
SA_FRONTCHILD=$80000045,  
OSERR_PUBNOTUNIQUE=5,  
SA_LEFT=$80000021,  
SDEPTH_CHILDONLY=2,  
OSERR_NOMONITOR=1,  
SA_SHAREPENS=$80000040,  
SA_PENS=$8000003A,  
NUMDRIPENS=12,  
OSCAN_VIDEO=4,  
SA_OVERSCAN=$80000034,  
SCREENHIRES=$200,  
SA_DEPTH=$80000025,  
SA_BEHIND=$80000037,  
SCREENBEHIND=$80,  
DRIB_NEWLOOK=0,  
DRIF_NEWLOOK=1,  
SA_WIDTH=$80000023,  
STDSCREENWIDTH=-1,  
OSCAN_MAX=3,  
SA_DCLIP=$80000033,  
SA_BACKFILL=$80000041,  
DRI_VERSION=2,  
SB_COPY_BITMAP=2,  
SB_SCREEN_BITMAP=1,  
SA_BITMAP=$8000002E,  
CUSTOMBITMAP=$40,  
OSERR_TOODEEP=7,  
MAXPUBSCREENNAME=$8B,  
SA_PUBNAME=$8000002F
```