

in

COLLABORATORS

	TITLE : in		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY		May 28, 2025	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

in

1.1 ModuleInformation

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

```
(----) OBJECT gfxbase
(  0)  lib:lib (or ARRAY OF lib)
( 34)  actiview:PTR TO view
( 38)  copinit:PTR TO copinit
( 42)  cia:PTR TO LONG
( 46)  blitter:PTR TO LONG
( 50)  loflist:PTR TO INT
( 54)  shflist:PTR TO INT
( 58)  blthd:PTR TO bltnode
( 62)  blttl:PTR TO bltnode
( 66)  bsblthd:PTR TO bltnode
( 70)  bsblttl:PTR TO bltnode
( 74)  vbsrv:is (or ARRAY OF is)
( 96)  timsrv:is (or ARRAY OF is)
(118)  bltsrv:is (or ARRAY OF is)
(140)  textfonts:lh (or ARRAY OF lh)
(154)  defaultfont:PTR TO textfont
(158)  modes:INT
(160)  vblank:CHAR
(161)  debug:CHAR
(162)  beamsync:INT
(164)  system_bplcon0:INT
(166)  spritereserved:CHAR
(167)  bytereserved:CHAR
(168)  flags:INT
(170)  blitlock:INT
(172)  blitnest:INT
(174)  blitwaitq:lh (or ARRAY OF lh)
(188)  blitowner:PTR TO tc
(192)  tof_waitq:lh (or ARRAY OF lh)
(206)  displayflags:INT
(208)  simplesprites:PTR TO LONG
(212)  maxdisplayrow:INT
(214)  maxdisplaycolumn:INT
```

```
( 216)    normaldisplayrows:INT
( 218)    normaldisplaycolumns:INT
( 220)    normaldpmx:INT
( 222)    normaldpmx:INT
( 224)    lastchancememory:PTR TO ss
( 228)    lcmpttr:PTR TO INT
( 232)    microspersline:INT
( 234)    mindisplaycolumn:INT
( 236)    chipprevbits0:CHAR
( 237)    memtype:CHAR
( 238)    crb_reserved[4]:ARRAY OF CHAR
( 242)    monitor_id:INT
( 244)    hedley[8]:ARRAY OF LONG
( 276)    hedley_sprites[8]:ARRAY OF LONG
( 308)    hedley_sprites1[8]:ARRAY OF LONG
( 340)    hedley_count:INT
( 342)    hedley_flags:INT
( 344)    hedley_tmp:INT
( 346)    hash_table:PTR TO LONG
( 350)    current_tot_rows:INT
( 352)    current_tot_cclks:INT
( 354)    hedley_hint:CHAR
( 355)    hedley_hint2:CHAR
( 356)    nreserved[4]:ARRAY OF LONG
( 372)    a2024_sync_raster:PTR TO LONG
( 376)    control_delta_pal:INT
( 378)    control_delta_ntsc:INT
( 380)    current_monitor:PTR TO monitorspec
( 384)    monitorlist:lh (or ARRAY OF lh)
( 398)    default_monitor:PTR TO monitorspec
( 402)    monitorlistsemaphore:PTR TO ss
( 406)    displayinfodatabase:LONG
( 410)    topline:INT
( 412)    activiewcprsemaphore:PTR TO ss
( 416)    utilbase:PTR TO LONG
( 420)    exechbase:PTR TO LONG
( 424)    bwshifts:PTR TO CHAR
( 428)    strtfetchmasks:PTR TO INT
( 432)    stopfetchmasks:PTR TO INT
( 436)    overrun:PTR TO INT
( 440)    realstops:PTR TO INT
( 444)    spritewidth:INT
( 446)    spritefmode:INT
( 448)    softsprites:CHAR
( 449)    arraywidth:CHAR
( 450)    defaultspritewidth:INT
( 452)    sprmovedisable:CHAR
( 453)    wantchips:CHAR
( 454)    boardmemtype:CHAR
( 455)    bugs:CHAR
( 456)    layersbase:PTR TO LONG
( 460)    colormask:LONG
( 464)    ivector:LONG
( 468)    idata:LONG
( 472)    specialcounter:LONG
( 476)    dblist:LONG
( 480)    monitorflags:INT
```

```
( 482) scandoublesprites:CHAR
( 483) bp3bits:CHAR
( 484) monitorvblank:analogsignalinterval (or ARRAY OF analogsignalinterval)
( 488) natural_monitor:PTR TO monitorspec
( 492) progdata:LONG
( 496) extsprites:CHAR
( 497) pad3:CHAR
( 498) gfxflags:INT
( 500) vbcounter:LONG
( 504) hashtablesemaphore:PTR TO ss
( 508) hwemul[9]:ARRAY OF LONG
(----) ENDOBJECT      /* SIZEOF=544 */
```

```
CONST LPEN_SWAP_FRAMES=$20,
      BUS_16=0,
      GENLOC=2,
      BANDWIDTH_2XDBL=2,
      BUS_32=1,
      DBL_CAS=2,
      NML_CAS=0,
      SETCHIPREV_BEST=-1,
      GENLOCN=1,
      BANDWIDTH_1X=0,
      NEW_DATABASE=1,
      GFXF_AA_ALICE=4,
      GFXB_AA_ALICE=2,
      GBFLAGSF_TIMER=$40,
      PAL=4,
      GFXF_HR_DENISE=2,
      GFXB_HR_DENISE=1,
      QBOWNERN=1,
      BLITMSG_FAULT=4,
      BANDWIDTH_4X=3,
      BANDWIDTH_2XNML=1,
      GFXF_AA_MLISA=16,
      GFXF_AA_LISA=8,
      GFXB_AA_MLISA=4,
      GFXB_AA_LISA=3,
      GBFLAGSF_LASTBLIT=$80,
      SETCHIPREV_AA=15,
      BLITMSG_FAULTN=2,
      GFXF_BIG_BLITS=1,
      GFXB_BIG_BLITS=0,
      NTSC=1,
      SETCHIPREV_A=1,
      QBOWNER=2,
      TODA_SAFE=8,
      SETCHIPREV_ECS=3,
      REALLY_PALN=4,
      PALN=2,
      NTSCN=0,
      REALLY_PAL=16,
      TODA_SAFEN=3,
      GFXF_HR_AGNUS=1,
      GFXB_HR_AGNUS=0,
      OWNBLITTERN=0
```

```
#define chunkytoplanarptr/0  
#define GRAPHICSNAME/0
```