

**in**

<b>COLLABORATORS</b>
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	TITLE :  in		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY		July 26, 2024	

<b>REVISION HISTORY</b>
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NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

## in

### 1.1 ModuleInformation

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

```
(----) OBJECT lvdrawmsg  
(  0)  methodid:LONG  
(  4)  rastport:PTR TO rastport  
(  8)  drawinfo:PTR TO drawinfo  
( 12)  bounds:rectangle (or ARRAY OF rectangle)  
( 20)  state:LONG  
(----) ENDOBJECT      /* SIZEOF=24 */
```

```
(----) OBJECT newmenu  
(  0)  type:CHAR  
(  1)  pad:CHAR  
(  2)  label:PTR TO CHAR  
(  6)  commkey:PTR TO CHAR  
( 10)  flags:INT  
( 12)  mutualexclude:LONG  
( 16)  userdata:LONG  
(----) ENDOBJECT      /* SIZEOF=20 */
```

```
(----) OBJECT newgadget  
(  0)  leftedge:INT  
(  2)  topedge:INT  
(  4)  width:INT  
(  6)  height:INT  
(  8)  gadgettext:PTR TO CHAR  
( 12)  textattr:PTR TO textattr  
( 16)  gadgetid:INT  
( 18)  flags:LONG  
( 22)  visualinfo:LONG  
( 26)  userdata:LONG  
(----) ENDOBJECT      /* SIZEOF=30 */
```

```
CONST GTBB_FRAMETYPE=$8008004D,  
      IM_SUB=$83,  
      NM_SUB=3,
```

---

```
PLACETEXT_BELOW=8,
GTMN_AMIGAKEY=$80080042,
GTNW_ACTIVE=$8008000F,
GTCY_ACTIVE=$8008000F,
GTMX_ACTIVE=$8008000A,
GTMENU_INVALID=2,
NM_FLAGMASK_V39=$FFFFFF3D,
NM_BARLABEL=-1,
NG_HIGHLABEL=$20,
GTMN_TEXTATTR=$80080031,
PLACETEXT_ABOVE=4,
LVR_NORMAL=0,
GTMN_NEWLOOKMENUS=$80080043,
NWAY_KIND=7,
TEXT_KIND=13,
STRING_KIND=12,
SLIDER_KIND=11,
SCROLLER_KIND=9,
PALETTE_KIND=8,
CYCLE_KIND=7,
NUMBER_KIND=6,
MX_KIND=5,
LISTVIEW_KIND=4,
INTEGER_KIND=3,
CHECKBOX_KIND=2,
BUTTON_KIND=1,
GENERIC_KIND=0,
NM_IGNORE=$40,
GTNM_FORMAT=$8008004B,
GTSL_LEVELFORMAT=$8008002A,
LVR_SELECTEDDISABLED=8,
LVR_NORMALDISABLED=2,
NM_ITEMDISABLED=16,
NM_MENUDISABLED=1,
GTMENU_NOMEM=3,
GTMN_CHECKMARK=$80080041,
GT_UNDERSCORE=$80080040,
GTNM_MAXNUMBERLEN=$8008004C,
IM_ITEM=$82,
NM_ITEM=2,
GTSC_ARROWS=$8008003B,
BBFT_ICONDROPOBOX=3,
GADTOOLMASK=$FFFF7FFF,
NM_FLAGMASK=$FFFFFF39,
GTVI_NWTAGS=$80080002,
GT_TAGBASE=$80080000,
GTNM_FRONT PEN=$80080048,
GTTX_FRONT PEN=$80080048,
GTMN_FRONT PEN=$80080032,
GTMENU_TRIMMED=1,
NM_END=0,
MENU_IMAGE=$80,
GADTOOLBIT=$8000,
GTPA_COLORTABLE=$80080052,
GTSL_JUSTIFICATION=$80080051,
GTNM_JUSTIFICATION=$8008004A,
GTTX_JUSTIFICATION=$8008004A,
```

GTPA\_NUMCOLORS=\$80080046,  
PLACETEXT\_IN=16,  
GTST\_STRING=\$8008002D,  
NM\_COMMANDSTRING=4,  
GTTX\_COPYTEXT=\$8008000C,  
GTTX\_TEXT=\$8008000B,  
GTIN\_NUMBER=\$8008002F,  
GTNM\_NUMBER=\$8008000D,  
LV\_DRAW=\$202,  
GTMN\_SECONDARYERROR=\$8008003F,  
GTNW\_LABELS=\$8008000E,  
GTCY\_LABELS=\$8008000E,  
GTMX\_LABELS=\$80080009,  
GTLV\_LABELS=\$80080006,  
NUM\_KINDS=14,  
GTBB\_RECESSED=\$80080033,  
GTSL\_MIN=\$80080026,  
NM\_TITLE=1,  
GTPA\_COLOR=\$80080011,  
GT\_RESERVED0=\$80080037,  
LVCB\_UNKNOWN=1,  
GT\_RESERVED1=\$80080038,  
GTMN\_FULLMENU=\$8008003E,  
GTMN\_MENU=\$8008003C,  
GTNM\_BACKPEN=\$80080049,  
GTTX\_BACKPEN=\$80080049,  
GTNM\_CLIPPED=\$80080055,  
GTTX\_CLIPPED=\$80080055,  
GT\_VISUALINFO=\$80080034,  
GTMX\_TITLEPLACE=\$80080047,  
GTSL\_DISPFUNC=\$8008002C,  
GTSL\_LEVELPLACE=\$8008002B,  
GTSC\_TOP=\$80080015,  
GTLV\_TOP=\$80080005,  
GTLV\_MAKEVISIBLE=\$8008004E,  
GTSC\_VISIBLE=\$80080017,  
LVR\_SELECTED=1,  
GTLV\_SELECTED=\$80080036,  
GTLV\_SHOWSELECTED=\$80080035,  
INTERHEIGHT=4,  
BBFT\_BUTTON=1,  
GTJ\_CENTER=2,  
GTJ\_RIGHT=1,  
GTPA\_INDICATORHEIGHT=\$80080014,  
CHECKBOX\_HEIGHT=11,  
MX\_HEIGHT=9,  
PLACETEXT\_RIGHT=2,  
GTSL\_MAXPIXELLEN=\$80080050,  
GTSL\_MAXLEVELLEN=\$80080029,  
GTMX\_SCALED=\$80080045,  
GTCB\_SCALED=\$80080044,  
GTJ\_LEFT=0,  
GTIN\_MAXCHARS=\$80080030,  
GTST\_MAXCHARS=\$8008002E,  
PLACETEXT\_LEFT=1,  
GTLV\_READONLY=\$80080007,  
GTCB\_CHECKED=\$80080004,

---

```
GT_PRIVATE0=$80080003,  
GTSC_TOTAL=$80080016,  
LVCB_OK=0,  
GTPA_COLOROFFSET=$80080012,  
GTPA_DEPTH=$80080010,  
GTMX_SPACING=$8008003D,  
GTIN_EDITHOOK=$80080037,  
GTST_EDITHOOK=$80080037,  
GTVI_NEWWINDOW=$80080001,  
INTERWIDTH=8,  
BBFT_RIDGE=2,  
GTPA_INDICATORWIDTH=$80080013,  
GTLV_SCROLLWIDTH=$80080008,  
CHECKBOX_WIDTH=26,  
MX_WIDTH=17,  
GTSC_OVERLAP=$80080018,  
NWAYIDCMP=$40,  
GTSL_MAX=$80080027,  
TEXTIDCMP=0,  
STRINGIDCMP=$40,  
SLIDERIDCMP=$70,  
SCROLLERIDCMP=$70,  
PALETTEIDCMP=$40,  
CYCLEIDCMP=$40,  
NUMBERIDCMP=0,  
MXIDCMP=$20,  
LISTVIEWIDCMP=$400078,  
INTEGERIDCMP=$40,  
CHECKBOXIDCMP=$40,  
BUTTONIDCMP=$40,  
ARROWIDCMP=$400068,  
GTNM_BORDER=$8008003A,  
GTTX_BORDER=$80080039,  
GTSL_LEVEL=$80080028
```

```
#define MENU_USERDATA/1  
#define GTMENUITEM_USERDATA/1  
#define GTMENU_USERDATA/1
```