

GXMSG\$ - Display simple GX Message Box

The GXMSG\$ routine can be used to display a simple message box that does not require a response from the operator.

1. Invocation

To display a Simple GX Message Box code:

```
CALL GXMSG$ USING ms
```

where *ms* is a control block of the following format:

```

01  MS
   02  MSTLEN      PIC 9(4) COMP      * Length of Title string (if nonzero)
                                       * or 0 to indicate NULL terminated string
                                       * Pointer to title string
   02  MSTPTR      PIC PTR
   02  MSMLN      PIC 9(4) COMP      * length of Message string (if nonzero)
                                       * or 0 to indicate NULL terminated string
                                       * Pointer to message
   02  MSMPTR      PIC PTR
   02  MSOPT      PIC 9(4) COMP      * Display option:
                                       * 0 = Normal
                                       * 1 = Flash
   02  MSPOS      PIC 9(2) COMP      * Position of message:
                                       * 0 = centred (standard label font)
                                       * 1 = top left (standard label font)
                                       * 2 = top right (standard label font)
                                       * 3 = bottom left (standard label font)
                                       * 4 = bottom right (standard label font)
                                       * 64 = centred (user-defined font)
                                       * 65 = top left (user-defined font)
                                       * 66 = top right (user-defined font)
                                       * 67 = bottom left (user-defined font)
                                       * 68 = bottom right (user-defined font)
02  MSFONT      PIC 9(2) COMP      * Font selection (only if MSPOS > 64)
                                       * 0 = Use label font
                                       * 1 - 8 = Use Index Font 1 to 8

```

To remove a Simple GX Message Box code:

```
CALL GXMSG$
```

2. STOP Codes and Exception Conditions

The following STOP codes may be generated by GXMSG\$:

STOP code	Description
14208	GXMSG\$ has been called by an application that is not running on GX
14211	The total length of the Title text, Message text and the GX command block has exceeded 8192.

The following EXIT codes may be returned by GXMSG\$:

EXIT code	\$\$COND	Description
14205	5	It was not possible to allocate a temporary 32-bit page to hold the GX command block.
14206	6	It was not possible to extend the temporary 32-bit page required to hold the GX command block.

3. Programming Notes

GXMSG\$ is only available when running on GX. Any attempt to use GXMSG\$ on a non-GX terminal will result in a STOP code.

Only a single Simple GX Message Box is allowed per partition (i.e. two, or more, consecutive calls of GXMSG\$ with an MS-block will merely replace the existing Simple GX Message Box).

A call of GXMSG\$ to remove a Simple GX Message Box will be ignored if a message box does not exist.

User defined "Indexed Fonts" are only available with GSM SP-14, or later; and GX V3.3d, or later. When an Indexed Font in the range 1 to 8 is specified, the actual font used is selected by "Settings/Indexed Fonts" menu option available with GX V3.3d, and later. Note that the MSFONT field is only used if the #40 (64 decimal) bit of the MSPOS field is set by the application.

4. Examples

This example displays a GXMSG\$ message, pauses for 10 seconds, displays a different message, pauses for another 10 seconds before removing the message.

```

DATA DIVISION
01  MS
COPY "s$" USING "MS"
*
01  TITLE1
02  FILLER          PIC X(?)
    VALUE "Example of GXMSG$"
02  FILLER          PIC X
    VALUE #00
01  MESS1
02  FILLER          PIC X(?)
    VALUE "This is an example GXMSG$ message"
02  FILLER          PIC X
    VALUE #00
*
01  TITLE2
02  FILLER          PIC X(?)
    VALUE "Another example of GXMSG$"
02  FILLER          PIC X
    VALUE #00
01  MESS2
02  FILLER          PIC X(?)
    VALUE "This is a slightly longer example GXMSG$ message"
02  FILLER          PIC X
    VALUE #00
*

```

PROCEDURE DIVISION

*

```
MOVE 0 TO MSTLEN
POINT MSTPTR AT TITLE1
MOVE 0 TO MSMLN
POINT MSMPTR AT MESS1
MOVE 0 TO MSOPT
MOVE 0 TO MSPOS
CALL GXMSG$ USING MS
SUSPEND 10
POINT MSTPTR AT TITLE2
POINT MSMPTR AT MESS2
CALL GXMSG$ USING MS
SUSPEND 10
CALL GXMSG$
```

5. Copy-Books

See copy-book "m\$" in copy-library S.SYS32. Note that this copy-book **MUST** be expanded using a SUBSTITUTING clause. For example:

```
COPY "m$" SUBSTITUTING "MS"
```

6. See Also

MBOX\$ - Display simple Message Box

MBOXX\$ - Display extended Message Box