

MBOXX\$ - Display extended Message Dialogue Box

The MBOXX\$ routine can be used to display an extended Windows Message Dialogue Box with non-standard Microsoft buttons.

1. Invocation

To display an extended message box code:

```
CALL MBOXX$ USING mx text
```

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

01	MX				
02	MXLEN	PIC 9(4)	COMP		* length of text to a max of 32K-1
					* If zero then text is terminated by
					* a byte of LOW-VALUES
02	MXLIN	PIC 9(4)	COMP		* line of window
02	MXCOL	PIC 9(4)	COMP		* and column number
02	MXWID	PIC 9(4)	COMP		* and initial width
02	MXDEP	PIC 9(4)	COMP		* and initial depth
02	MXTIT	PIC X(132)			* title to a max of 132
02	MXID	PIC X(4)			* Window id
02	MXNAME	PIC X(8)			* Window name
02	MXDEF	PIC 9	COMP		* Default button number 0 for none
02	MXBTN	PIC 9(2)	COMP		* Bottom nibble: Number of buttons
					* (1 - 5)
					* Top nibble: Various bit flags
					* #10 = Reserved
					* #20 = MXFONT to be used
					* #40 = Close box supported
					* #80 = Reserved
02	MXBTXT	OCCURS 5	PIC X(10)		* Text for up to 5 buttons
					* But only MXBTN buttons can
					* be active at any one time
					* SPACES - inactive button
02	MXBRTN	PIC 9(2)	COMP		* Index of button returned
02	MXFONT	PIC 9(2)	COMP		* Font selection (only if #20 bit
					* of MXBTN is set)
					* 0 = Use label font
					* 1 - 8 = Use Index Font 1 to 8

and *text* is a zero-terminated text-string.

2. STOP Codes and Exception Conditions

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

STOP code	Description
14201	MBOXX\$ has been called by an application that is not running on GX
14202	The supplied MXBTN value was not between 1 and 5; or the supplied MXDEF value was not between 1 and 5

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

EXIT code	\$\$COND	Description
14202	2	An internal error has occurred (MBOXX\$ was unable to allocate a temporary data page; or total command block length is more than 8Kb)

3. Programming Notes

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

The number of buttons **must** be specified. The index of the button selected will be returned in MXBRTN. If a button is set to SPACES it is regarded as an uninitialised button and is not displayed.

MBOXX\$ can be used to display a Message Box with non-standard Windows buttons. The simpler MBOX\$ sub-routine can be used to display a Message Box with standard buttons.

For the combination of GSM SP-13, and later; and GX V3.2s, and later, it is possible to determine if Close-Box or <ESC> key have been used to cancel the MBOXX\$ window. This feature can be useful if it is not possible to designate one of the five user-configured buttons as the "cancel button". To enable the "detect cancel" feature, the #40 (64 decimal) bit of the MXBTN field must be set. The Close-Box or <ESC> key will be indicated by a value of 0 returned in MXBRTN.

User defined "Indexed Fonts" are only available with GSM SP-15, or later; and GX V3.3e, or later. When an Indexed Font in the range 1 to 8 is specified (in GXFONT), the actual font used is selected by "Settings/Indexed Fonts" menu option available with GX V3.3e, and later. Note that the MXFONT field is only used if the #20 (32 decimal) bit of the MXBTN field is set by the application.

4. Examples

[EXAMPLES REQUIRED]

5. Copy-Books

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

```
COPY "x$" SUBSTITUTING "MX"
```

6. See Also

MBOX\$ Display simple Message Box Dialogue