

# EAGCA\$ - Get One, or More, Extended Attribute Colours

The EAGCA\$ routine displays a dialogue box containing the current set of 64 extended attribute colour combinations. A descriptive piece of text can be associated with each attribute. One (or more) of these combinations can then be updated using the standard Windows "Choose colour" dialogue. Finally the updated combinations will be returned. Note that the customisations made will remain in force until they are reset but are not saved to the GXCUST4.CUS file.

## 1. Invocation

To display the Colour Customisation dialogue box and get one, or more, customised colours code:

```
CALL EAGCA$ USING ca cb
```

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

```

01      CA                                * EAGCA$ CONTROL BLOCK
02      CAVER          PIC 9(4) COMP      * BLOCK VERSION NUMBER
02      CADEF          PIC 9(2) COMP      * DEFAULT ATTRIBUTE FOR UPDATE
02      CACNT          PIC 9(2) COMP      * NUMBER OF ENTRIES
02      CADAT OCCURS 64
03      CAIX          PIC 9(2) COMP      * EXTENDED ATTRIBUTE INDEX NO.
03      CALX          PIC 9(4) COMP      * LENGTH OF TEXT STRING
03      CAPX          PIC PTR            * POINTER TO TEXT STRING

```

and *cb* is the returned control block of the following format:

```

01      CB                                * EAGCA$ RETURN BLOCK
02      CBCNT          PIC 9(2) COMP      * NUMBER OF ENTRIES UPDATED BY USER
02      CBDAT OCCURS 64
03      CBIX          PIC 9(2) COMP      * EXTENDED ATTRIBUTE INDEX NO.
03      CBINK          PIC 9(9) COMP      * INK COLOUR
03      CBPAP          PIC 9(9) COMP      * PAPER COLOUR

```

**Important Note:** The format of the Ink and paper colours are:

*blue\_component \*256\*\*2 + green\_component \*256 + red\_component.*

## 2. STOP Codes and Exception Conditions

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

STOP code	Description
16401	EAGCA\$ has been called on a non GX screen.
16402	The CAVER field does not contain 1.
16408	The CACNT field contains 0.
16409	The CACNT field contains a value higher than 64.

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

EXIT code	\$\$COND	Description
16401	1	An exception was returned by GX.
16402	2	Insufficient memory to allocate a work buffer.

### 3. Programming Notes

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

The EAGCA\$ routine should be considered “high specialised”.

### 4. Examples

[EXAMPLES REQUIRED]

### 5. Copy-Books

None.

### 6. See Also

GXSSA\$     Set Extended GX Field Attribute for current field  
GXSEA\$     Set Extended GX Field Attribute for any field  
EASCA\$     Set GX Colour Attribute(s)  
EARCA\$     Reset GX Colour Attribute(s)