

AmosBobs

COLLABORATORS

	<i>TITLE :</i> AmosBobs		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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REVISION HISTORY

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Chapter 1

AmosBobs

1.1 Contents

```
AmosBobs module
version 2.01
(C) 1998-1999 by Krzysztof Cmok
my email is: sharkk@friko2.onet.pl
```

Display AMOS Objects for AmigaE.

That module is for display objects from amos.
(mediator in display amos bob and icons) ;)

Contents

·INTRODUCTION·

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·AMOS and E·

·AmSp and AmIc file-formats·

WARNING!!!

AmosBobs.m is not good tested! Maybe in program be bugs!

1.2 "

AmSp and AmIc file-formats

file-format -AmSp- is identical to -AmIc- File-Format.
this formats to have some bugs:

- Change palette maximal to 32 colors.
 - no AGA! :(
-

- maximal 6 planes in object.

Some pluses:

- unlimited amount objects.
- hot spot in file-format.
- declare palette in file-format.

AMOSBOBS have implemented for AmSp and AmIc:

- even AGA
- 8 planes.
- 256 colors in palette.

1.3 AMOS and E

Description	AMOS	AmigaE
load amos bobs	Load "a",b	b:=mLoadIB('a')
flush bobs from memory	Erase b	mEraseIB(b)
palette of objects	Get Bob Palette	mGetIBPalette(b,viewport)
informations about objects	-many funcs-	mGetIBInfo(b,nr,flag)
display icon (in E without mask)	Paste Icon x,y,nr	mPasteQuickIB(rport,b,x, ← y,imagenr)
display icon (with mask)	Paste Icon x,y,nr	mPasteIB(rport,b,x,y,imagenr)
display bob	Bob n,x,y,nr	mIB(rport,b,nr,x,y,imagenr[,inwin])
bob with memory window)	-at once after load-	mDecodeIB(readbuffer,length, ←
bob buffers	Set Bob Buffer n	mStBuf(n)
bob clear	Bob Clear	mClearIB(rport,b)
bob drawing	Bob Draw	mDrawIB(rport,b)
bob hide	Bob Off n	mIBOff(b,n)
bob update on	Bob Update On	mIBUpdateOn(b)
bob update off	Bob Update Off	mIBUpdateOff(b)

1.4 Introduction

History

~~~~~

- v1.3 - (1998-12-30) First Release.
- v1.4 - (1999-01-30) bug fix, added some instructions for mGetIBInfo.
- v1.42 and v1.45 - (1999-02-05) bug fixed.
- v2.01 - (1999-04-28) many change, see Features.
- v2.01 - (1999-05-30) refixed.

in this version

~~~~~

- now faster.
- now even with kickstart 1.3 is working! (i don't no, no test!)
- hot spot implemented.
- some procedures fixed.

- now module must be in directory 'emodules:tools'
- some added commands.
- ...and some new examples for module.

Future

~~~~~

- I dont no, Maybe this version is last,  
maybe only bugs fix.

## 1.5 Index

Index

---

mClearIB (rport, bobsptr)  
mDecodeIB (bobsptr, length)  
mDrawIB (rport, bobsptr)  
mEraseIB (rport, bobsptr)  
mGetIBInfo (bobsptr, nr, flag)  
mGetIBPalette (bobsptr, vport)  
mIBOff (rport, bobsptr, nr)  
mIB (rport, bobsptr, nr, x, y, imagenr)  
mPasteIB (rp, bobsptr, x, y, imagenr)  
mPasteQuickIB (rp, bptr, x, y, imagenr)  
mLoadIB (filename)  
mStBuf (n)  
mIBUpdateOff (bobsptr)  
mIBUpdateOn (bobsptr)

## 1.6 mStBuf

mStBuf (n)

Set buffer for bobs.

n - max bobs. (default 64).

---

WARNING: Must be before procedure -mLoadIB-.

## 1.7 mLoadIB

```
bobsptr:=mLoadIB(fn)
```

Load amos bob objects bank.

fn - file to load.

bobsptr - bobsptr is NIL then not load bob data.

## 1.8 mEraseIB

```
mEraseIB(bobsptr)
```

Clean all from memory.

bobsptr - pointer of load bobs.

## 1.9 mGetIBPalette

```
mGetIBPalette(bobsptr,vport)
```

Change palette in screen.

bobsptr - pointer of load bobs.

vport - pointer to viewport.

## 1.10 mGetIBInfo

```
info:=mGetIBInfo(bobptr,nr,flag)
```

return information about object.

bobptr - pointer of load bobs.

nr - number of object.

flag - is be:

IB\_WIDTH - width object.

IB\_HEIGHT - height object.

IB\_DEPTH - how much planes of object.

IB\_COLOURS - colours of object.

IB\_FACE - face of object (image.imagedata).

IB\_OBJLEN - length of object.

IB\_CX - Coords. X.

IB\_CY - Coords. Y.

IB\_CN - Number of face object.  
IB\_CMAXOBS - how much is objects in bank.  
IB\_CDEPTH - maximum amount possible planes.  
IB\_CCOLOURS - amount colors in palette.

IB\_HOTX - hot spot-x object.  
IB\_HOTY - hot spot-y object.

## 1.11 mPasteQuickIB

mPasteQuickIB(rport,bobptr,x,y,imagenr)

display simple bob object without mask.

rport - pointer to rastport.  
bobptr - pointer of load bobs.  
x,y - coord.  
imagenr - number image.

## 1.12 mPasteQuickIB

mPasteIB(rport,bobptr,x,y,imagenr)

display bob object with mask.

rport - pointer to rastport.  
bobptr - pointer of load bobs.  
x,y - coord.  
imagenr - number image.

## 1.13 mIB

mIB(rport,bobptr,nr,x,y,imagenr[,inwin])

This function is alike to 'Bob' command from AMOSPro.  
Function display a bob to screen with index (nr).

rport - pointer to rastport.  
data - pointer to bobsptr.  
imagenr - number image.  
x,y - coordinates X and Y.  
nr - number in index.

[,inwin]- if object is in window and window is in WORKBENCH to TRUE  
if window is in not WORKBENCH to FALSE.

SEE ALSO:

mIBOff

mDrawIB



## 1.14 mDecodeIB

```
bobptr:=mDecodeIB(readbuffer,length)
```

convert readbuffers to bobptr data.

readbuffer - read data (see: dos.library/Read() )

length - length of readbuffer.

bobptr - pointer of load bobs.

s - pointer to screen (0/NIL - first screen).

SEE ALSO:

mLoadIB

## 1.15 mIBOff

```
mIBOff(rport,bobptr,n)
```

clear bob from screen.

rport - pointer to rastport.

bobptr - pointer of load bobs.

n - numer object.

SEE ALSO:

mIB

## 1.16 mDrawIB

```
mDrawIB(rport,bobptr)
```

This procedure drawing once again all bobs.

Need when command 'mUpdateOn' be activated.

rport - pointer to rastport.

bobptr - pointer of load bobs.

SEE ALSO:

mIB

mUpdateOn

mClearIB

## 1.17 mClearIB

```
mClearIB(rport,bobptr)
```

This procedure clear once again all bobs.

---

Need when command 'mUpdateOn' be activated.

rport - pointer to rastport.  
bobptr - pointer of load bobs.

SEE ALSO:

mIB  
mUpdateOn  
mDrawIB

## 1.18 mUpdateOff

mUpdateOff(bobptr)

After this command, 'mIB' command not be drawing bobs.  
Command 'mDrawIB' drawing bobs.  
Command 'mClearIB' clear from screen bobs.

bobptr - pointer of load bobs.

SEE ALSO:

mIB  
mUpdateOn  
mUpdateOff  
mDrawIB  
mClearIB LINK CLEARBOBS}

## 1.19 mUpdateOn

mUpdateOn(bobptr)

After this command, 'mIB' be automatic drawing bobs to screen.

bobptr - pointer of load bobs.

SEE ALSO:

mIB  
mUpdateOn  
mUpdateOff