

AOZ Studio Beta - Bug #355

Amal XS() & YS() report Nan

04/22/2020 11:12 PM - Nick Morison

| | | | |
|--------------------------|-----------------|------------------------|------------|
| Status: | Resolved | Start date: | 04/22/2020 |
| Priority: | High | Due date: | |
| Assignee: | Francois Lionet | % Done: | 0% |
| Category: | | Estimated time: | 4:00 hours |
| Target version: | | | |
| Affected version: | 1.0.0 (B10) u16 | | |

Description

The below code prints NaN for both variable (tested the same code on Amos and it prints the screen coords of the mouse pointer as expected):

```
#manifest:"Amiga"
```

```
#fullScreen:true
```

```
#splashScreen:false
```

```
screen open 0,340,256,16,lowres
```

```
curs off:flash off: cls 0
```

```
colour 1,$005
```

```
ink 2
```

```
bar 0,0 to 16,16
```

```
get bob 1,0,0 to 32,32
```

```
cls 1
```

```
bob 1,100,100,1
```

```
a$="L: Let R0 = XS(0,XM) ; L R1=YS(0,YM) ; P JL"
```

```
amal 1,a$
```

```
channel 1 to bob 1
```

```
amal on 1
```

```
Repeat
```

```
cls 1
```

```
home
```

```
print amreg(1,0), amreg(1,1)
```

```
wait vbl
```

```
Until mouse click
```

(It prints the hardware coords fine if you change the amal string to a\$="L: Let R0 = XM ; L R1=YM ; P JL")

History

#1 - 09/19/2020 02:23 PM - Brian Flanagan

- Assignee set to Francois Lionet

- Estimated time set to 4:00 h

- Affected version changed from 0.9.8.1 to Beta RC2

Attempted to test in Beta RC2, but would not run due to another error.

(Animation channel not opened...)

#2 - 09/19/2020 02:24 PM - Brian Flanagan

- Priority changed from Normal to High

#3 - 10/22/2020 08:46 AM - Brian Flanagan

- Affected version changed from Beta RC2 to Beta RC3

This is still broken in RC3.

#4 - 09/26/2021 06:56 AM - Brian Flanagan

- Affected version changed from Beta RC3 to 1.0.0 (B10) u16

Still broken in 1.0.0 (B10) u16 (9/25)

It's actually worse now. It doesn't even get as far as the **Repeat** loop.

Now it gets infinite Guru at the **Amal 1,a\$** (before Amal was turned on, or the channel number was set.)

This error occurs:

```
/Users/brian/Documents/My%20AOZ%20Applications/Bug355/html/run/raoz.js:1297 Cannot read property 'channelNumber' of undefined
/Users/brian/Documents/My%20AOZ%20Applications/Bug355/html/run/raoz.js:1298 TypeError: Cannot read property 'channelNumber' of undefined
    at AMAL.runChannel (/Users/brian/Documents/My%20AOZ%20Applications/Bug355/html/run/ramal.js:129)
    at AOZ.amalStart (/Users/brian/Documents/My%20AOZ%20Applications/Bug355/html/run/raoz.js:5811)
    at AOZ.runBlocks (/Users/brian/Documents/My%20AOZ%20Applications/Bug355/html/run/raoz.js:1112)
    at AOZ.doUpdate (/Users/brian/Documents/My%20AOZ%20Applications/Bug355/html/run/raoz.js:532)
    at /Users/brian/Documents/My%20AOZ%20Applications/Bug355/html/run/raoz.js:768
```

It then repeatedly gets this error:

```
/Users/brian/Documents/My%20AOZ%20Applications/Bug355/html/run/raoz.js:1297 Cannot read property 'call' of undefined
/Users/brian/Documents/My%20AOZ%20Applications/Bug355/html/run/raoz.js:1298 TypeError: Cannot read property 'call' of undefined
    at AOZ.runBlocks (/Users/brian/Documents/My%20AOZ%20Applications/Bug355/html/run/raoz.js:975)
    at AOZ.doUpdate (/Users/brian/Documents/My%20AOZ%20Applications/Bug355/html/run/raoz.js:532)
    at /Users/brian/Documents/My%20AOZ%20Applications/Bug355/html/run/raoz.js:768
```

If I move **Channel 1 To Bob 1** before **Amal 1,a\$** it still fails.

It just gets a different error when it hits the **Amal On** statement.
That error causes an infinite guru as well.

It gets the following error repeatedly:

```
/Users/brian/Documen...ml/run/raoz.js:1297 Cannot read property 'x' of undefined
/Users/brian/Documen...ml/run/raoz.js:1298 TypeError: Cannot read property 'x' of undefined
    at AOZ.xScreen (/Users/brian/Documen...ml/run/raoz.js:4062)
    at AMALChannel1.blocks.<computed> (<anonymous>:11:37)
    at AMALChannel.updateBlocks (/Users/brian/Documen...ml/run/ramal.js:409)
    at AMALChannel.update (/Users/brian/Documen...ml/run/ramal.js:337)
    at AMAL.doSynchro (/Users/brian/Documen...ml/run/ramal.js:172)
    at AOZ.doSynchro (/Users/brian/Documen...ml/run/raoz.js:1469)
    at onHalt (/Users/brian/Documen...tml/run/raoz.js:654)
```

#5 - 09/28/2021 04:52 PM - Francois Lionet

- Status changed from New to Resolved

Fixed!