

Can't startx in 24b color depth mode

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2005-11/3502.html>

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Date: 11/30/05

To: debian-user@lists.debian.org

Date: Tue, 29 Nov 2005 18:23:09 -0500

Hi,

I can't startx in 24b color depth mode, I'm wondering why.

I tried to startx in 24b color depth mode with

```
startx -- --depth 16 :1
```

I can see the initial X background (with the cursor), but then it went back to console text mode. To verify, I tried

```
startx -- :1
```

and it worked.

Comparing the 2 logs, there is nothing significant except this:

```
@@ -509,3 +509,3 @@  
(-- ) RADEON(0): VideoRAM: 131072 kByte (64 bit DDR SDRAM)  
-(II) RADEON(0): PCI card detected  
+(II) RADEON(0): AGP card detected  
(II) Loading sub module "ddc"
```

The full diff output is included at the end.

Here is my Screen Section, if that might be a hint:

Section "Screen"

Identifier "Default Screen"

Device "ATI Technologies, Inc. RV280 [Radeon 9200 SE]"

Monitor "SyncMaster"

DefaultDepth 16

SubSection "Display"

Depth 1

Modes "1024x768" "800x600" "640x480"

EndSubSection

SubSection "Display"

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```
Depth 4
Modes "1024x768" "800x600" "640x480"
EndSubSection
SubSection "Display"
Depth 8
Modes "1024x768" "800x600" "640x480"
EndSubSection
SubSection "Display"
Depth 15
Modes "1024x768" "800x600" "640x480"
EndSubSection
SubSection "Display"
Depth 16
Modes "1024x768" "800x600" "640x480"
EndSubSection
SubSection "Display"
Depth 24
Modes "1024x768" "800x600" "640x480"
EndSubSection
EndSection

$ diff -wu1 /var/log/XFree86.1.log.old /var/log/XFree86.1.log
--- /var/log/XFree86.1.log.old 2005-11-29 18:10:29.000000000 -0500
+++ /var/log/XFree86.1.log 2005-11-29 18:10:55.000000000 -0500
@@ -24,3 +24,3 @@
    (WW) warning, (EE) error, (NI) not implemented, (??) unknown.
-(==) Log file: "/var/log/XFree86.1.log", Time: Tue Nov 29 18:10:20 2005
+(==) Log file: "/var/log/XFree86.1.log", Time: Tue Nov 29 18:10:40 2005
(==) Using config file: "/etc/X11/XF86Config-4"
@@ -492,7 +492,7 @@
 (II) RADEON(0): PCI bus 1 card 0 func 0
-(++) RADEON(0): Depth 24, (---) framebuffer bpp 32
-(II) RADEON(0): Pixel depth = 24 bits stored in 4 bytes (32 bpp pixmaps)
+(**) RADEON(0): Depth 16, (---) framebuffer bpp 16
+(II) RADEON(0): Pixel depth = 16 bits stored in 2 bytes (16 bpp pixmaps)
(==) RADEON(0): Default visual is TrueColor
-(==) RADEON(0): RGB weight 888
-(II) RADEON(0): Using 8 bits per RGB (8 bit DAC)
+(==) RADEON(0): RGB weight 565
+(II) RADEON(0): Using 6 bits per RGB (8 bit DAC)
(II) Loading sub module "int10"
@@ -509,3 +509,3 @@
 (---) RADEON(0): VideoRAM: 131072 kByte (64 bit DDR SDRAM)
-(II) RADEON(0): PCI card detected
+(II) RADEON(0): AGP card detected
(II) Loading sub module "ddc"
@@ -704,2 +704,3 @@
    ABI class: XFree86 Video Driver, version 0.6
+(II) RADEON(0): AGP Fast Write disabled by default
(II) RADEON(0): Depth moves disabled by default
@@ -714,3 +715,2 @@
```

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of this adapter, please see <http://gatos.sf.net>.

-(---) Depth 24 pixmap format is 32 bpp

(II) do I need RAC? No, I don't.

@@ -862,3 +862,3 @@

(II) RADEON(0): Using hardware cursor (scanline 770)

-(II) RADEON(0): Largest offscreen area available: 1024 x 7417

+(II) RADEON(0): Largest offscreen area available: 1024 x 7413

(**) Option "dpms"

Please help. Thanks a lot

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