

X behaviour change from 9.0 to 9.1

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Hi all,

I just upgraded my laptop from 9.0 to 9.1. The machine concerned has happily run 8.1, 8.2 and 9.0. I did a reformat and new install to get to 9.1. Now, the machine refuses to use the external monitor at the correct resolution (1280x1024) – it detects the laptop's built in LCD screen, which is 1024x768 only. For some reason XFree86 is setting the built in as the default monitor, and then using the external LCD panel at the wrong resolution. This behaviour differs from 9.0 and previous versions, where it did the right thing.

Any suggestions as to how make X use the external monitor as the default, and at the correct resolution? Various snippets from the log file follow.....

(--) Chipset ATI Radeon Mobility M7 LW (AGP) found

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(II) Loading sub module "i2c"
(II) LoadModule: "i2c"
(II) Loading /usr/X11R6/lib/modules/libi2c.a
(II) Module i2c: vendor="The XFree86 Project"
        compiled for 4.3.99.902, module version = 1.2.0
        ABI class: XFree86 Video Driver, version 0.7
(II) RADEON(0): I2C bus "DDC" initialized.
(II) RADEON(0): I2C device "DDC:ddc2" registered at address 0xA0.
(II) RADEON(0): I2C device "DDC:ddc2" removed.
(II) RADEON(0): I2C device "DDC:ddc2" registered at address 0xA0.
(II) RADEON(0): I2C device "DDC:ddc2" removed.
(II) RADEON(0): I2C device "DDC:ddc2" registered at address 0xA0.
(II) RADEON(0): I2C device "DDC:ddc2" removed.
(II) RADEON(0): DDC Type: 2, Detected Type: 0
(II) RADEON(0): I2C device "DDC:ddc2" registered at address 0xA0.
(II) RADEON(0): I2C device "DDC:ddc2" removed.
(II) RADEON(0): I2C device "DDC:ddc2" registered at address 0xA0.
(II) RADEON(0): I2C device "DDC:ddc2" removed.
(II) RADEON(0): I2C device "DDC:ddc2" registered at address 0xA0.
(II) RADEON(0): I2C device "DDC:ddc2" removed.
(II) RADEON(0): DDC Type: 4, Detected Type: 0
```

alt.os.linux.suse: X behaviour change from 9.0 to 9.1

(II) RADEON(0): Non-DDC laptop panel detected
(II) RADEON(0): I2C device "DDC:ddc2" registered at address 0xA0.
(II) RADEON(0): I2C device "DDC:ddc2" removed.
(II) RADEON(0): DDC Type: 3, Detected Type: 1
(II) RADEON(0): Displays Detected: Monitor1---Type 2, Monitor2---Type 1

(II) RADEON(0): Monitor2 EDID data -----
(II) RADEON(0): Manufacturer: PHL Model: 808 Serial#: 14377
(II) RADEON(0): Year: 2004 Week: 6
(II) RADEON(0): EDID Version: 1.3
(II) RADEON(0): Analog Display Input, Input Voltage Level: 0.700/0.300 V
(II) RADEON(0): Sync: Separate Composite SyncOnGreenSerration on. V.Sync
Pulse req. if CompSync or SyncOnGreen
(II) RADEON(0): Max H-Image Size [cm]: horiz.: 36 vert.: 29
(II) RADEON(0): Gamma: 2.20
(II) RADEON(0): DPMS capabilities: StandBy Suspend Off; RGB/Color Display
(II) RADEON(0): First detailed timing is preferred mode
(II) RADEON(0): redX: 0.633 redY: 0.340 greenX: 0.295 greenY: 0.591
(II) RADEON(0): blueX: 0.141 blueY: 0.096 whiteX: 0.313 whiteY: 0.329
(II) RADEON(0): Supported VESA Video Modes:
(II) RADEON(0): 720x400@70Hz
(II) RADEON(0): 640x480@60Hz
(II) RADEON(0): 640x480@67Hz
(II) RADEON(0): 640x480@72Hz
(II) RADEON(0): 640x480@75Hz
(II) RADEON(0): 800x600@56Hz
(II) RADEON(0): 800x600@60Hz
(II) RADEON(0): 800x600@72Hz
(II) RADEON(0): 800x600@75Hz
(II) RADEON(0): 832x624@75Hz
(II) RADEON(0): 1024x768@60Hz
(II) RADEON(0): 1024x768@70Hz
(II) RADEON(0): 1024x768@75Hz
(II) RADEON(0): 1280x1024@75Hz
(II) RADEON(0): 1152x870@75Hz
(II) RADEON(0): Manufacturer's mask: 0
(II) RADEON(0): Supported Future Video Modes:
(II) RADEON(0): #0: hsize: 640 vsize 480 refresh: 75 vid: 20273
(II) RADEON(0): #1: hsize: 800 vsize 600 refresh: 75 vid: 20293
(II) RADEON(0): #2: hsize: 1024 vsize 768 refresh: 75 vid: 20321
(II) RADEON(0): #3: hsize: 1280 vsize 1024 refresh: 60 vid: 32897
(II) RADEON(0): Supported additional Video Mode:
(II) RADEON(0): clock: 108.0 MHz Image Size: 359 x 287 mm
(II) RADEON(0): h_active: 1280 h_sync: 1328 h_sync_end 1440 h_blank_end
1688 h_border: 0
(II) RADEON(0): v_active: 1024 v_sync: 1025 v_sync_end 1028 v_blanking:
1066 v_border: 0
(II) RADEON(0): Serial No: HD 014377
(II) RADEON(0): Monitor name: Philips 180P2
(II) RADEON(0): Ranges: V min: 56 V max: 76 Hz, H min: 30 H max: 82 kHz,
PixClock max 140 MHz

alt.os.linux.suse: X behaviour change from 9.0 to 9.1

(II) RADEON(0): End of Monitor2 EDID data -----
(II) RADEON(0):
(II) RADEON(0): Primary Display == Type 2
(II) RADEON(0): Clone Display == Type 1
(II) RADEON(0): Panel ID string: 1024x768
(II) RADEON(0): Panel Size from BIOS: 1024x768

(II) RADEON(0): Validating modes on Primary head -----
(II) RADEON(0): Total number of valid DDC mode(s) found: 0
(WW) RADEON(0): Mode 1280x1024 is out of range.
(WW) RADEON(0): Valid modes must be between 320x200–1024x768
(II) RADEON(0): No valid mode specified, force to native mdoe

TIA

Paul