



RADAR 3.50 SYSTEM DRIVE RECOVERY FROM DVD

The RADAR 3.50 System Drive Recovery procedure initializes the system drive of RADAR units running 3.50 series software.

IMPORTANT NOTE: THIS OPERATION WILL REMOVE ALL DATA ON THE SYSTEM AND ARCHIVE PARTITIONS OF RADAR'S SYSTEM DRIVE. MAKE SURE YOU HAVE BACKUPS OF ALL IMPORTANT DATA AND AUDIO CONTAINED ON THE SYSTEM DRIVE BEFORE YOU PERFORM THIS PROCEDURE.

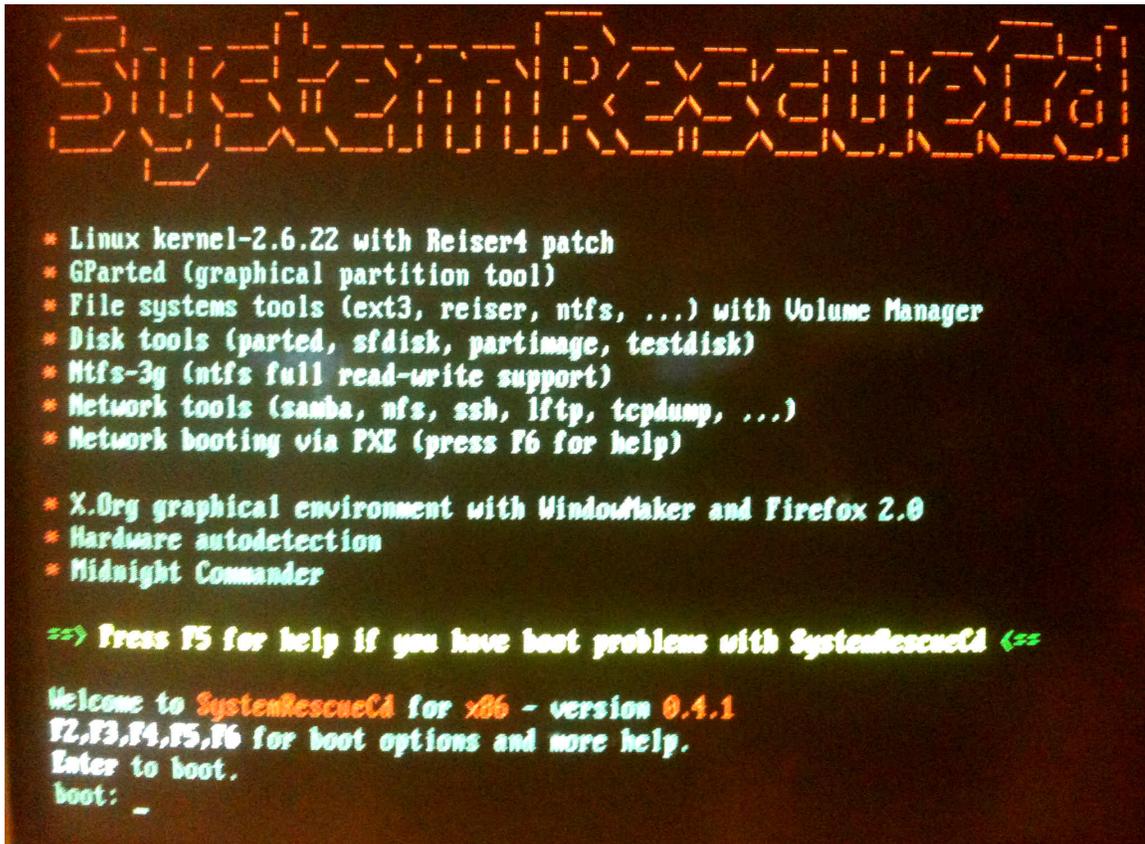
REQUIREMENTS:

- 1) RADAR V or 24 with DVD combo drive installed and VGA monitor connected
- 2) RADAR V or 24 3.50 System Drive Recovery DVD
- 3) PC (5-pin DIN) keyboard and PS2 or USB mouse
- 4) iZ Technology approved IDE drive connected as master to the primary IDE bus of the internal motherboard

PROCEDURE:

- 1) Connect the PC keyboard and PS2 or USB mouse to RADAR.
- 2) Boot RADAR, insert the System Drive Recovery DVD into the DVD combo drive and close the tray.
- 3) Turn off and reboot RADAR.
- 4) Set RADAR to boot from the DVD by following these steps:
 - a) During the POST (Power On Self Test), press and hold the *DELETE* key on the keyboard to enter the *CMOS Setup* page.
 - b) Use the up and down arrow keys to select *Advanced BIOS Features* and press *ENTER*.
 - c) Use the up and down arrow keys to select *Boot Sequence* and press *ENTER*.

- d) Use the up and down arrow keys to select *1st Boot Device* and press *ENTER*.
 - e) Use the up and down arrow keys to select the *CD/DVD* option and press *ENTER*.
 - f) Press *ESC* twice to return to the *Advanced BIOS Features* page, and then the main *CMOS Setup* screen.
 - g) Use the up and down arrow keys to select *Save & Exit Setup* and press *ENTER* twice to save the settings and exit the *CMOS Setup*.
- 5) Upon saving and exiting the *CMOS Setup*, RADAR will boot from the DVD.
- 6) When you see the *SystemRescueCd* screen, you can either press *ENTER* when prompted to boot, or wait for the system to continue automatically.



- 7) When the system continues automatically or the *ENTER* key is pressed, the recovery process will continue until you are prompted to confirm the default keymap. Press *ENTER* to continue, or wait for the system to continue automatically.

```

>> Attempting to mount media:- /dev/sr0
>> Media found on /dev/sr0
>> Loading keymaps
Please select a keymap from the following list by typing in the appropriate
name or number. You should prefer the name to the number (for example
type 'fr' instead of '16'). Hit Enter for the default 'us' keymap.

  1 azerty    2 be        3 bg        4 br-a     5 br-l     6 by        7 cf
  8 croat    9 cz       10 de       11 dk      12 dvorak  13 es       14 et
 15 fi      16 fr      17 gr      18 hu      19 il      20 is       21 it
 22 jp      23 la      24 lt      25 mk      26 nl      27 no       28 pl
 29 pt      30 ro      31 ru      32 se      33 sg      34 sk-y     35 sk-z
 36 slovene 37 trf     38 trq     39 ua      40 uk      41 us       42 wangbe
 43 fr_CH   44 speakup 45 cs_CZ

default choice (US keymap) will be used if no action within 20 seconds
<< Load keymap (Enter for default): _

```

- 8) Next, you will be prompted to either type 'yes' or press *ENTER* to abort. Type in the word 'yes', and then press the *ENTER* key. **Do not press the *ENTER* key until the word 'yes' has been typed.**

```

83:56:30:6e:98:61:22:26:fa:a6:63:94:83:8a:7e:b8 root@sysresc
* Generating RSA-Hostkey...
Generating public/private rsa key pair.
Your identification has been saved in /etc/ssh/ssh_host_rsa_
Your public key has been saved in /etc/ssh/ssh_host_rsa_key.
The key fingerprint is:
33:5e:e6:ec:61:12:f6:71:0e:6f:06:39:0e:21:60:02 root@sysresc
* Starting sshd ...
* Starting local ...

* Starting autorun scripts ...
*** /mnt/cdrom/autorun
Type 'yes' and press ENTER to proceed with system recovery
or press ENTER to abort:yes_

```

- 9) You will then be prompted again to type in 'yes' or press *ENTER* to abort. Type in the word 'yes', and then press the *ENTER* key to continue. **Do not press the *ENTER* key until the word 'yes' has been typed.**

```
The key fingerprint is:
33:5e:e6:ec:61:12:f6:71:0e:6f:06:39:0e:21:60:02 root@sysre
* Starting sshd ...
* Starting local ...

* Starting autorun scripts ...
*** /mnt/cdrom/autorun
Type 'yes' and press ENTER to proceed with system recovery
or press ENTER to abort:yes
WARNING: All data on the System and Archive partitions will
Type 'yes' and press ENTER to proceed:
yes_
```

- 10) The system will then begin formatting. There will be a message saying "Formatting Part 1 of 2". This will take several minutes.

Note: During this time, RADAR may enter power-saving mode, disabling the VGA monitor from displaying an image. The screen will be black. Press the SHIFT key to return the image to the monitor screen.

```
*** /mnt/cdrom/autorun
Type 'yes' and press ENTER to proceed with system recover
or press ENTER to abort:yes
WARNING: All data on the System and Archive partitions wi
Type 'yes' and press ENTER to proceed:
yes
Please wait, the recovery process will take several minute
Formatting part 1 of 2.
```

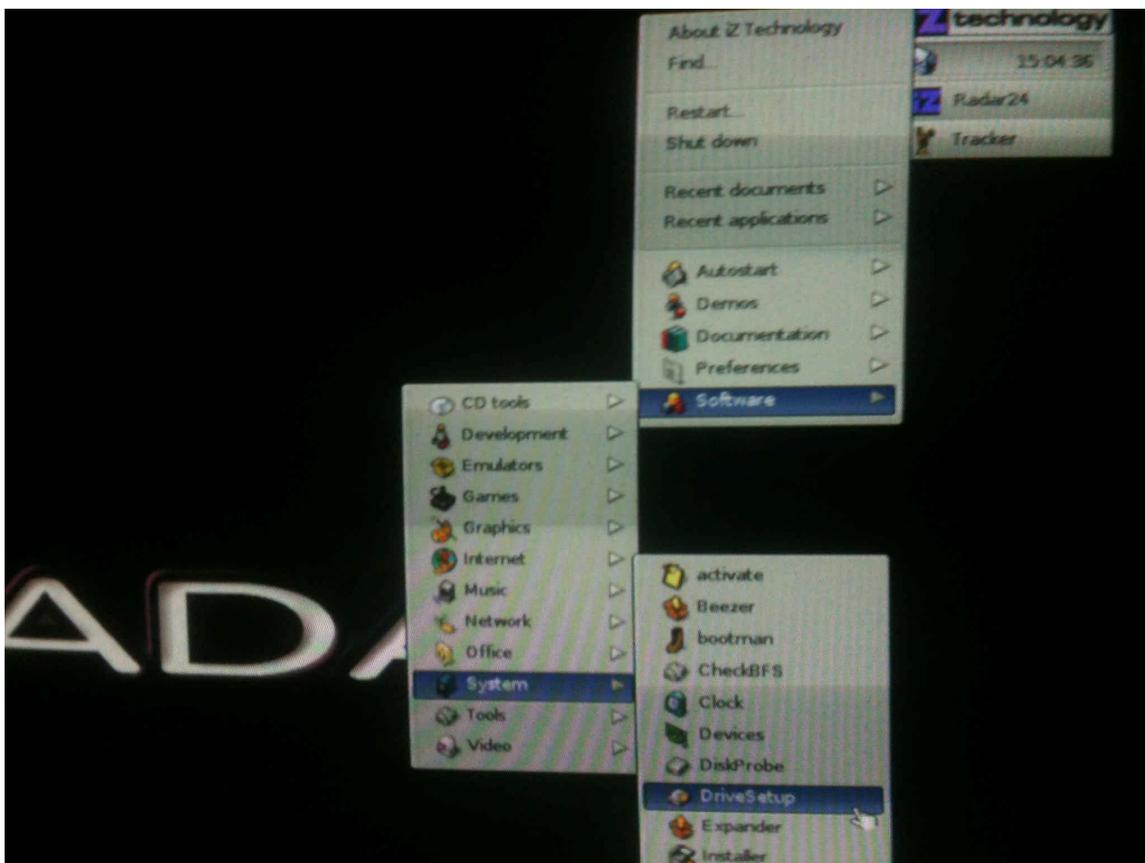
- 11) When part 1 of 2 is finished being formatted, the system will continue by formatting part 2 of 2. This will also take several minutes. Part 2 of 2 will begin automatically.

When part 2 of 2 is finished being formatted, the following screen will appear. You will be asked to reboot, change the CMOS settings to the default boot order, remove the DVD and reboot.

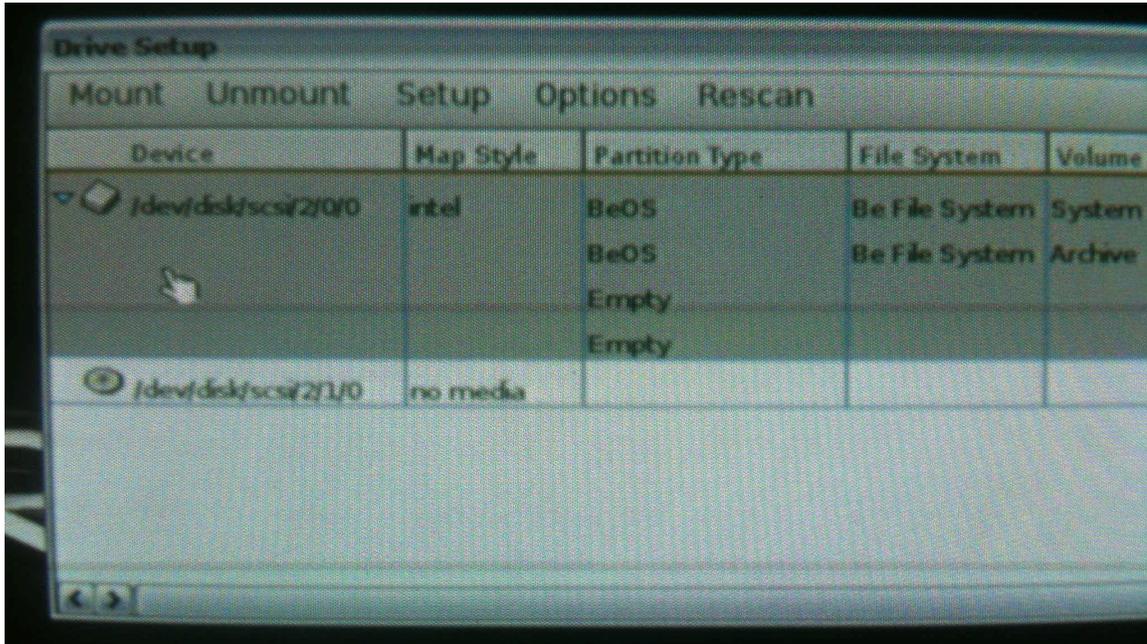
```
Type 'yes' and press ENTER to proceed with system recovery
or press ENTER to abort:yes
WARNING: All data on the System and Archive partitions will be lost.
Type 'yes' and press ENTER to proceed:
yes
Please wait, the recovery process will take several minutes.
Formatting part 1 of 2.
2137152+0 records in
2137152+0 records out
2188443648 bytes (2.2 GB) copied, 455.245 s, 4.8 MB/s
Please wait, the recovery process will take several minutes.
Formatting part 2 of 2.
2137152+0 records in
2137152+0 records out
2188443648 bytes (2.2 GB) copied, 307.801 s, 7.1 MB/s
Recovery complete. Reboot, and change the CMOS to
the default boot order, remove the disk, and reboot.
End of autorun scripts, press <Enter> to continue _
```

- 12) Turn off and reboot RADAR using the power switch.
- 13) Set RADAR to boot from the system drive by following these steps:
 - a) During the POST, press and hold the *DELETE* key on the keyboard to enter the *CMOS Setup* page.
 - b) Use the up and down arrow keys to select *Advanced BIOS Features* and press *ENTER*.
 - c) Use the up and down arrow keys to select *Boot Sequence* and press *ENTER*.
 - d) Use the up and down arrow keys to select *1st Boot Device* and press *ENTER*.
 - e) Use the up and down arrow keys to select the *HDD* option and press *ENTER*.
 - f) Press *ESC* twice to return to the *Advanced BIOS Features* page, and then the main *CMOS Setup* screen.
 - g) Use the up and down arrow keys to select *Save & Exit Setup* and press *ENTER* twice to save the settings and exit the *CMOS Setup*.
- 14) RADAR will continue to boot from the newly initialized system drive. You will now be able to eject the DVD from the DVD combo drive.

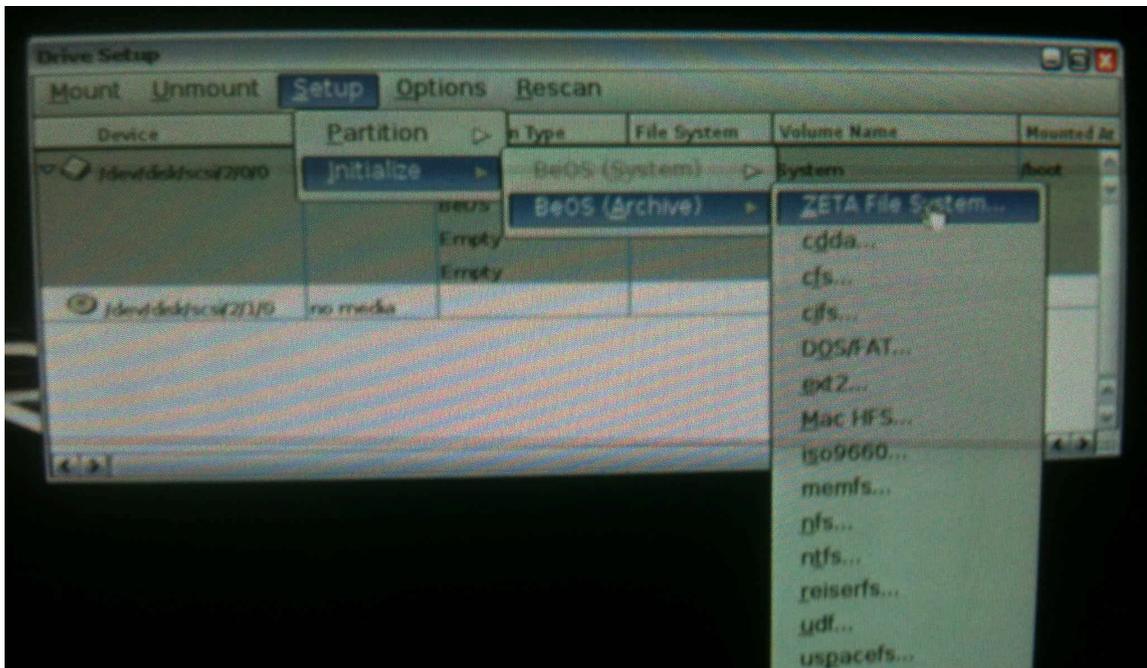
- 15) The last step required is the creation of the Archive partition:
When RADAR has fully booted up, hold the *ALT* key, and press the *F2* key. This will take you to the RADAR desktop.
- You will see an iZ logo at the top-right corner of the screen. Use the mouse to click on the iZ logo. This will open a drop-down menu.
 - Hover over *Software*. This will bring up another drop-down menu. Hover over *System*. This will bring up a third drop-down menu. Click on *DriveSetup*.



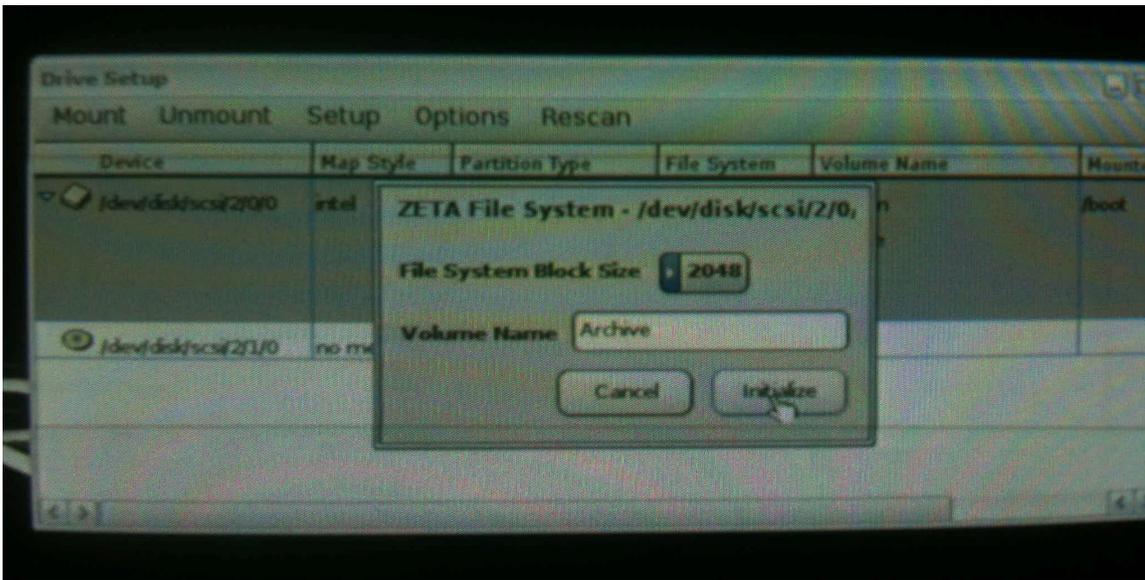
- c) This will open a window titled *Drive Setup*. Click to select the drive containing the volumes *System* and *Archive*.



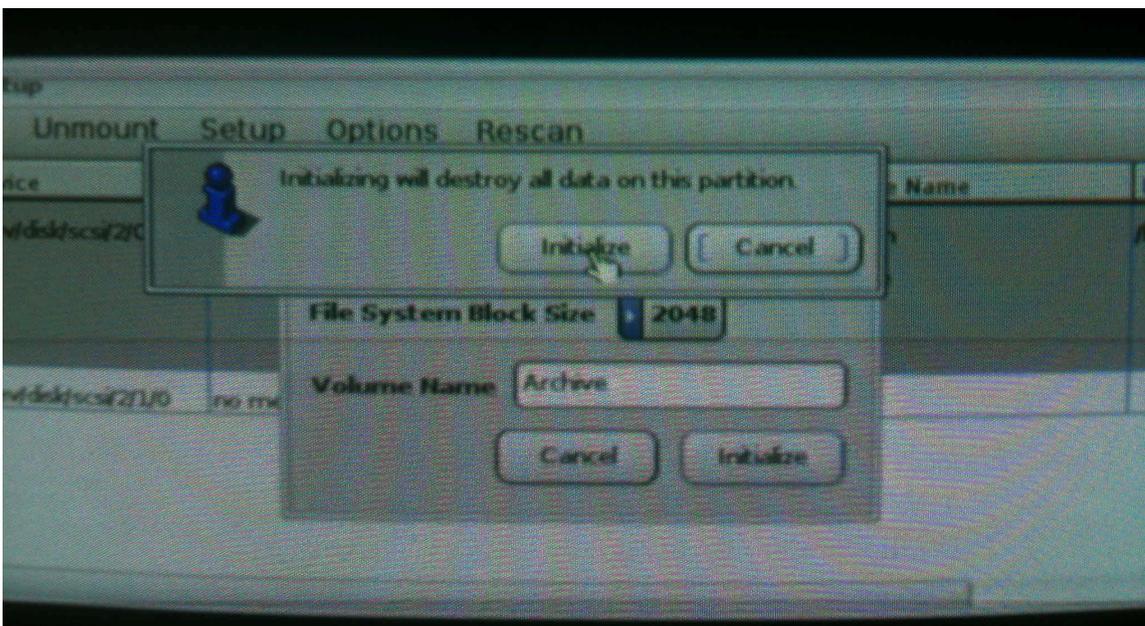
- d) Using the mouse, click on the tab titled *Setup* at the top of the window. Following the drop-down menus, hover over *Initialize*, then hover over *BeOS (Archive)*, and then click on *ZETA File System*.



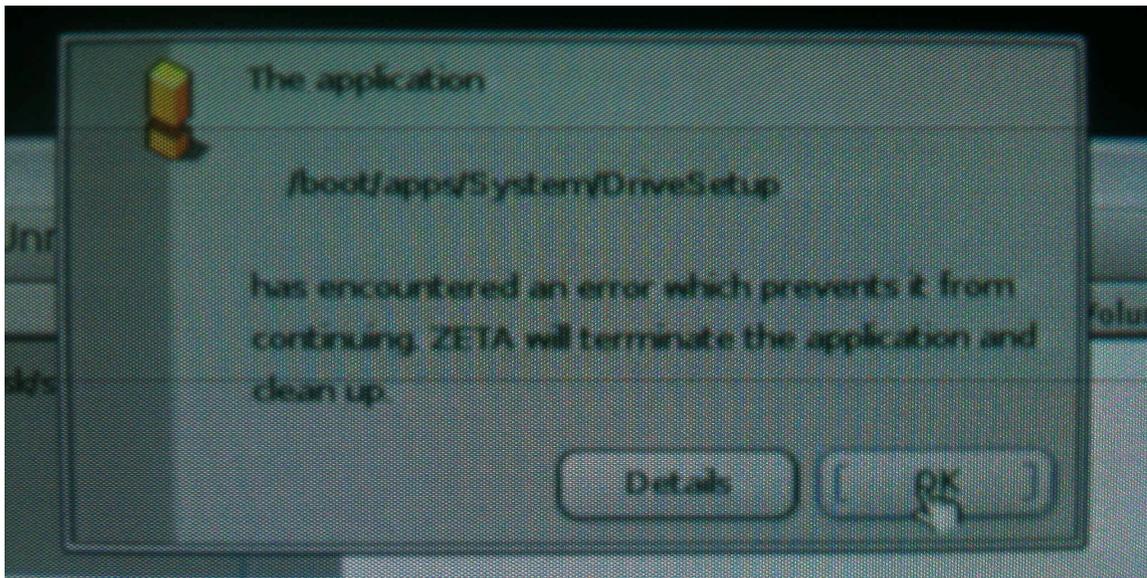
- e) A window will pop up asking you to either *Initialize* or *Cancel*. Make sure the *File System Block Size* is set to 2048, and the *Volume Name* is set to *Archive*. Press the *Initialize* button.



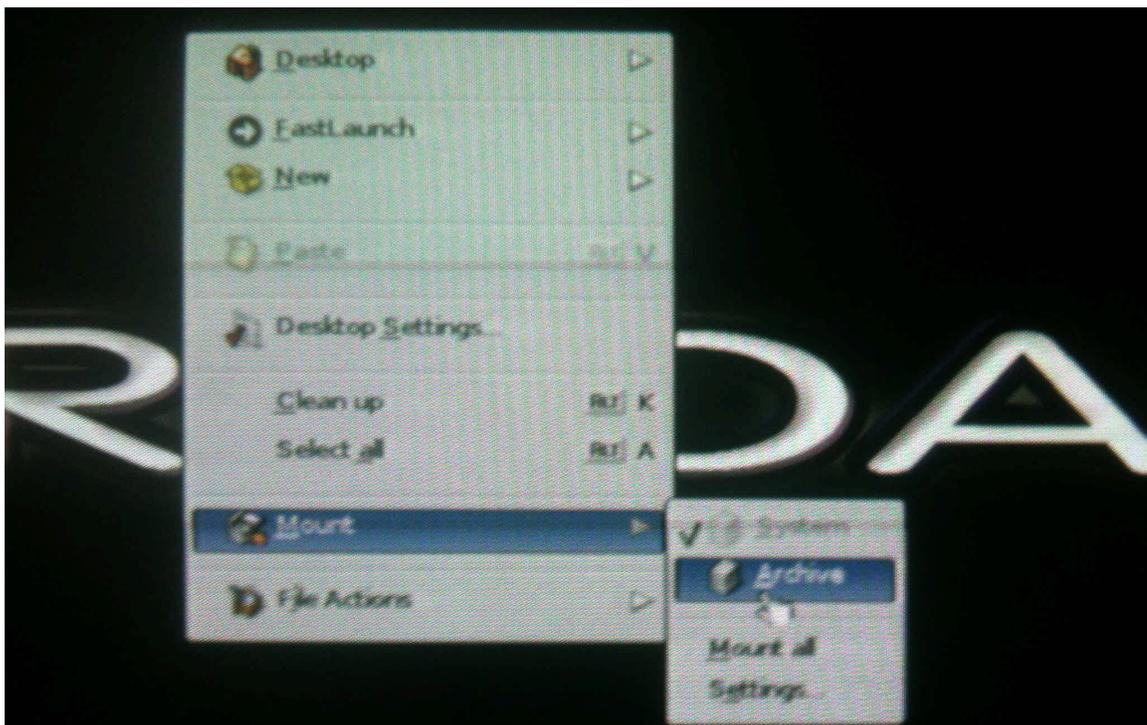
- f) Another window will appear, with the message "Initializing will destroy all data on this partition." Press the *Initialize* button.



- g) Another window will appear informing you that the application has encountered an error. Press **OK**.



- h) When these windows disappear, right-click anywhere on the desktop, and hover over *Mount* that appears in the drop-down menu, and select *Archive*.



- i) Once this has been completed, the Archive partition will appear in the upper-left corner of the display, beside the System partition.



- 16) Press the *ALT* and *F1* keys simultaneously to return to the RADARView screen. At this point, the RADAR 3.50 System Drive Recovery procedure has been completed and the Archive partition has been successfully initialized.