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Entry Number:

Title: **The Lucky Goldstar WinNeXT System**

Entry Date: **9 April 1993**

Product Vendor: **Lucky Goldstar Inc.**

Vendor Contact Information:

Hardware Platform: **Intel Processor Family**

Reported in Software Version: **NEXTSTEP Release 3.1**

Keywords: **LGI, WinNeXT, Lucky GoldStar, Wingine**

## **Usage Commentary:**

The Lucky Goldstar supports 1024 x 768 16 bit color under NEXTSTEP. In addition to six ISA slots the Lucky Goldstar provides a VESA localbus slot. The WinNeXT incorporate the Chips & Technologies Wingine video chipset and provide localbus comparable video performance.

## **Setup and Installation:**

Use the ROM setup program to configure your WinNeXT. This program may be accessed by pressing <ctrl> <alt> <s> early in the boot process when prompted.

The Quality Assurance Group successfully installed NEXTSTEP Release 3.1 onto a Lucky Goldstar WinNeXT with the configuration settings detailed below. This system was running off of an IDE hard disk.

**Chips and Technologies, Inc. System Configuration Utility**

**STANDARD SETUP OPTIONS**

Time : 23:48:18

Date : June 09, 1993  
Processor : 486DX2  
Coprocessor : 486DX2  
Diskette A : 3.5 Inch, 1.44 MB  
Diskette B : Not Installed  
Cyl Hd Pre LZ Sec Size  
Fixed Disk C : 1018 14 None 1018 62 431  
Fixed Disk D : Not Installed  
BIOS Found :  
Base Memory : 640 KB 640 KB  
Extended Memory : 31744 KB 31744 KB  
Display : EGA or VGA

**ADVANCED FEATURE CONTROL**

Numlock : Off  
Cache Initialization : Enabled  
486 Cache : Enabled  
DRAM Timing : 5-3-3-3 (33-40 MHz, Cache)  
Shadow System BIOS : Enabled  
Shadow Video BIOS : Enabled  
Boot Device Order : A:, C:  
Password : Disabled

**TECHNICAL OPTION CONTROL**

Dynamic Memory Sizing : Enabled  
Block 0 DRAM Type : 256 KBit  
Block 0 Bank Count : 1  
Block 0 Start Address : 0 MB  
Block 1 DRAM Type : Disabled  
Block 1 Bank Count : 1  
Block 1 Start Address : 0 MB  
Block 2 DRAM Type : Disabled  
Block 2 Bank Count : 1  
Block 2 Start Address : 0 MB  
Block 3 DRAM Type : Disabled

Block 3 Bank Count : 1  
Block 3 Start Address : 0 MB  
DRAM Decode Mode : 4-RAS mode  
Block 0 Interleave : Disabled  
Block 1 Interleave : Disabled  
Block 2 Interleave : Disabled  
Block 3 Interleave : Disabled  
AT bus Clock Select : ATCLK  
AT bus 16-bit cmd delays : 0  
AT bus I/O cmd delays : 1  
AT bus 16-bit Wait States : 1  
AT bus 8-bit Wait States : 3  
AT bus address hold time : 0  
VRAM type : Split Transfer

**CHIPSet REGISTER CONTROL**

Idx B76543210  
05 : 00000101  
06 : 00101001  
07 : 00001111  
08 : 00000000  
09 : 00000000  
0A : 10110000  
0B : 00010000  
0C : 00000101  
0D : 00000000  
10 : 11000101  
11 : 10000000  
12 : 00000001  
13 : 00000000  
14 : 00000000  
15 : 00000000  
16 : 00000000  
17 : 00000000  
18 : 00000000

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19 : 00000000
1A : 00000000
1B : 01000011
20 : 00000000
21 : 00000000
27 : 00100000
28 : 00000000
29 : 00000000
2A : 00000000
2B : 00000000
2C : 00000000
2D : 00000000
2E : 00000000
2F : 00000000
30 : 11111111
31 : 00000111
32 : 00000000
33 : 11111111
34 : 00000111
35 : 00000000
36 : 00000000
E2 : 00100000
E3 : 00010011
E4 : 00010000
E5 : 00000101
```

## Known Problems:

- Apparently the Lucky Goldstar, a Logitech Bus Mouse and the current version of the installation software conflict. This problem results in the error "AHA timeout" and the system hanging during the boot process while probing for the CD-ROM drive. Remove the bus mouse and use a PS/2 mouse to work around this incompatibility. It can be reinstalled and will work correctly after software installation is finished.