User Manual

OSSBox

1. Introduction

Concerning there are quite a few compatibility problems when opensources (linux) collocates with hardware and most users cannot handle it smoothly, we introduce the low-priced OSSBox under the support of manufacturers who promote opensources intently. OSSLAB is in combination with encoded opensources software applications, no need of any modifications or drives, so that everyone can use these open-source software easily. All rewritten software complies with GPL software contract.

2. Overview

2.1 Specifications:

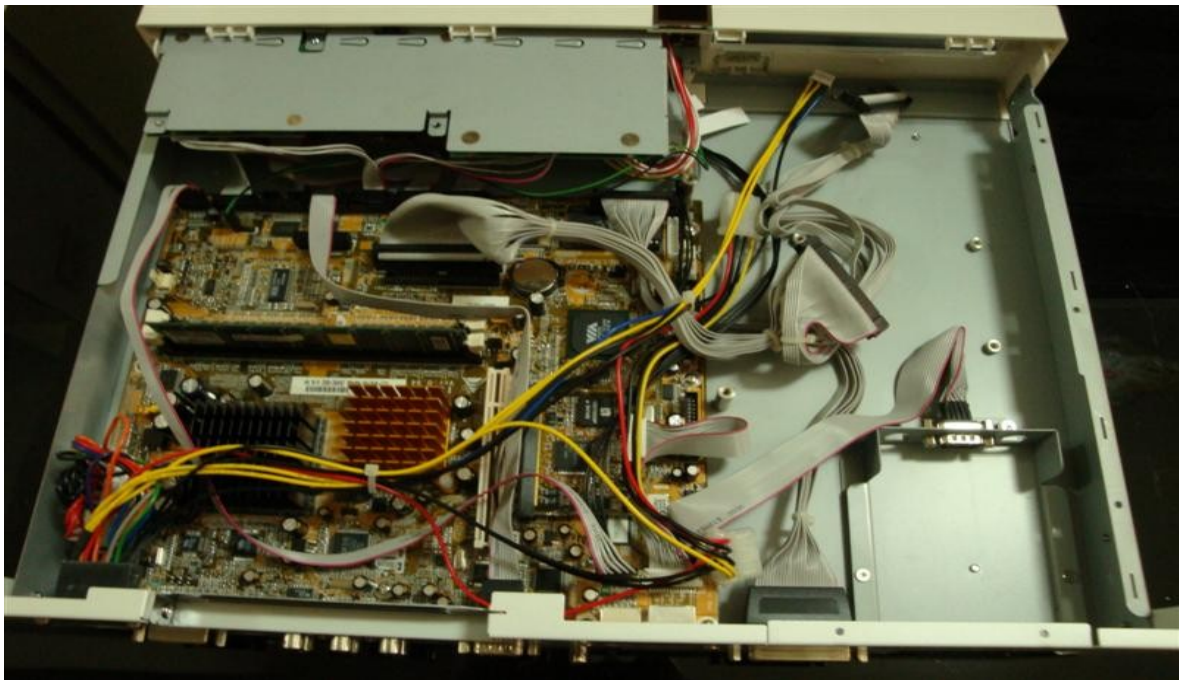| CPU	VIA C3 Nehemiah 1.0 Ghz
DRAM	Long dimm DDR slot*2 32MB~2048MB
Storage	2 IDE connectors. IDE 1: standard connector; IDE 2: mini connector
Video Output	Built-in S-video terminal, D-sub, AV terminal, DVI port
USB	4 USB 2.0 ports
Audio	Analog RCA, M-Audio, Coaxial output. MIC input
LAN	2 port 10/100 LAN (RTL8100). LAN 2: Mini PCI slot
PCI	One PCI slot
Other ports	Multi-Card Reader, Smart card reader, Serial port

2.2 Applicable Software

- Win XP
  Smooth in internet browsing and playing DVD, mpeg I and II (partially smooth in 720p, not smooth in 1080i)
  advantages:
  can totally support Mpeg Decoder
  DVB-T driver ok
  P2P Stream (PPLive and XBMC can be completely integrated.)
  Good software support
  disadvantages:
  Embedded Flash occupies large amount of space and OS gets damaged easily

OS authorization is not free.

- FREE VDR
When in combination with satellite receiver card, it can be used in playing DVB-S mpeg 2 HD, just like DVB-S Box. There is built-in support for mpeg decoder

- Geexbox

- XBMC
Can download xbmc live CD or USB Image (with OS), it takes up 2GB of the space.

- Thin client application

- Pfsense feature: built-VPN server

- IPCOP (has proxy function)

- Coyote

- FreeUTM

- AntiSpam

- IP PBX, etc, all can work (can be booted up with CF CARD,USB)

2.3 Storage Design

- USB Boot

    A. need to change the wiring of USB stick on the chassis.
    B. insert directly in the USB port in chassis' motherboard
    C. card reader cf slot

- ATA Storage

    A. Standard IDE HDD
    B. CF to 3.5 Storage
    C. IDE SSD

- LAN Boot

    Need to write boot code on main board's flash BIOS

2.4 Video-out Settings

The are five formats of video output in OSSBox:
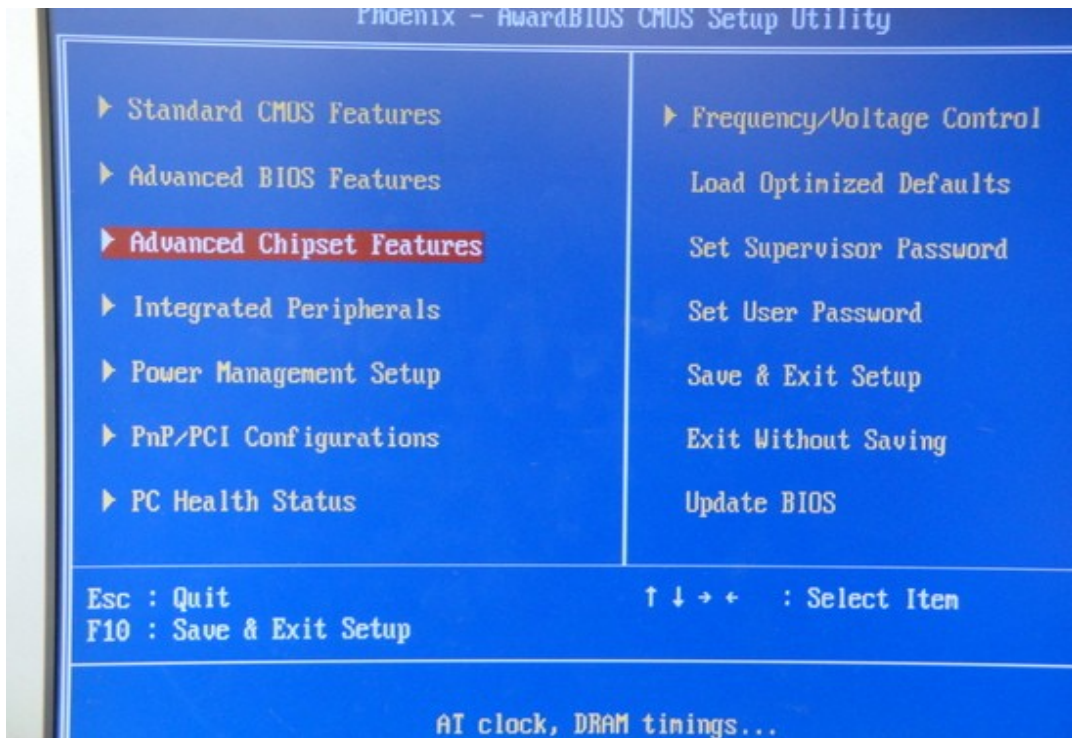DVI
AV-Out
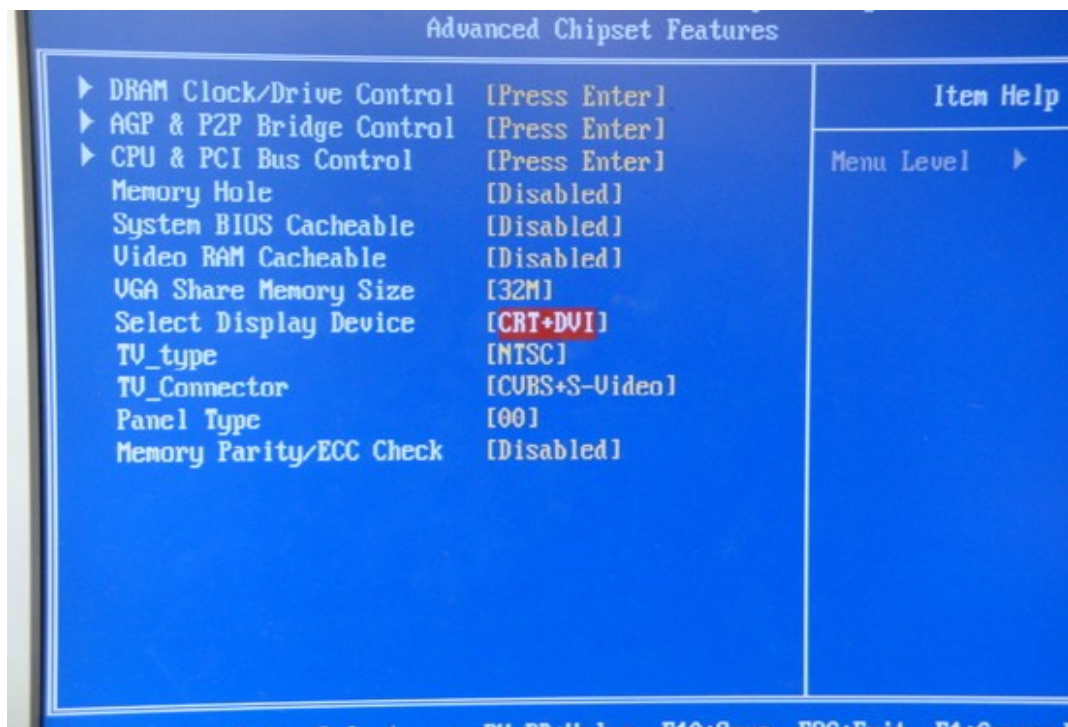S-Video Out
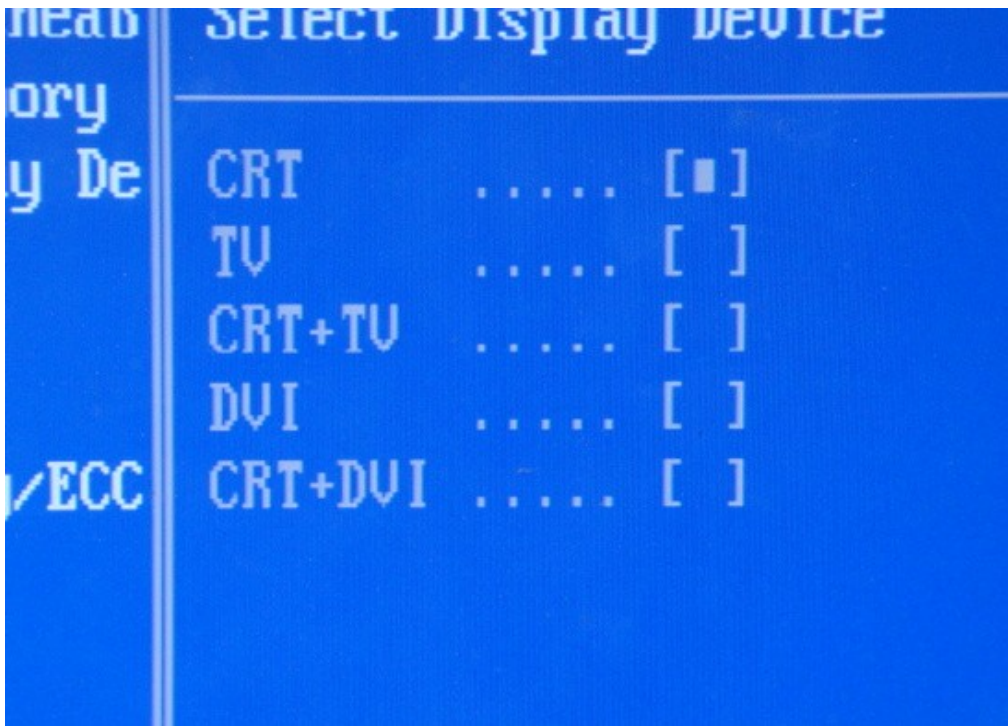Component (Pr/Pb/Y) Out
D-SUB (VGA) Out (needs adapter)

- BIOS Settings
  Different output formats require its own settings in BIOS
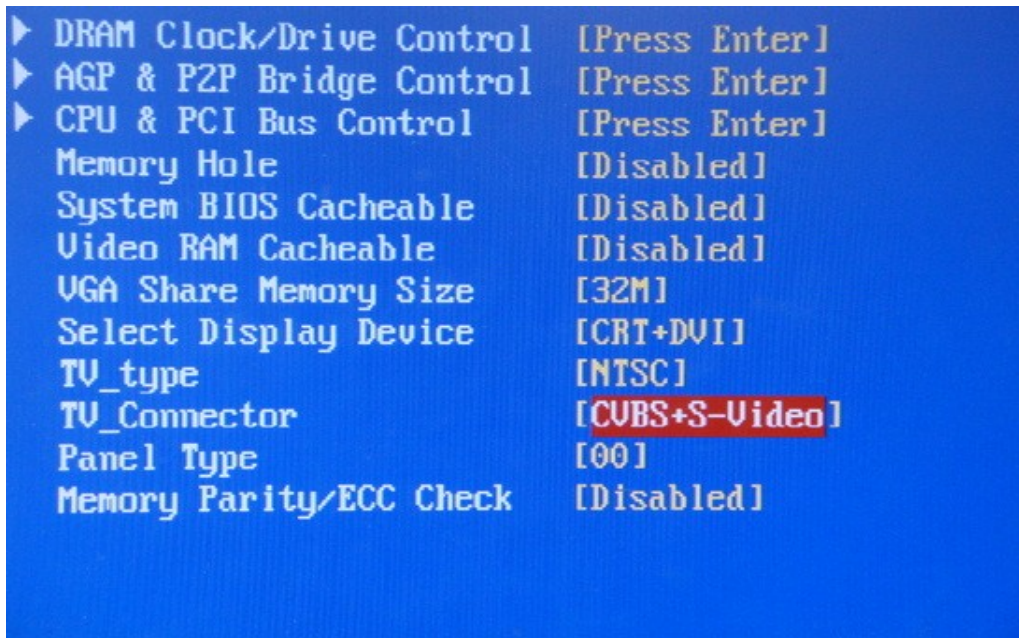 Press DEL to enter into BIOS and select Advanced Chipset Features

Phoenix - AwardBIOS CMOS Setup Utility

▶ Standard CMOS Features   ▶ Frequency/Voltage Control

▶ Advanced BIOS Features   Load Optimized Defaults

▶ Advanced Chipset Features   Set Supervisor Password

▶ Integrated Peripherals   Set User Password

▶ Power Management Setup   Save & Exit Setup

▶ PnP/PCI Configurations   Exit Without Saving

▶ PC Health Status   Update BIOS

Esc : Quit   ↑↓→←   : Select Item
F10 : Save & Exit Setup

AT clock, DRAM timings...

- Select Display Device

Advanced Chipset Features

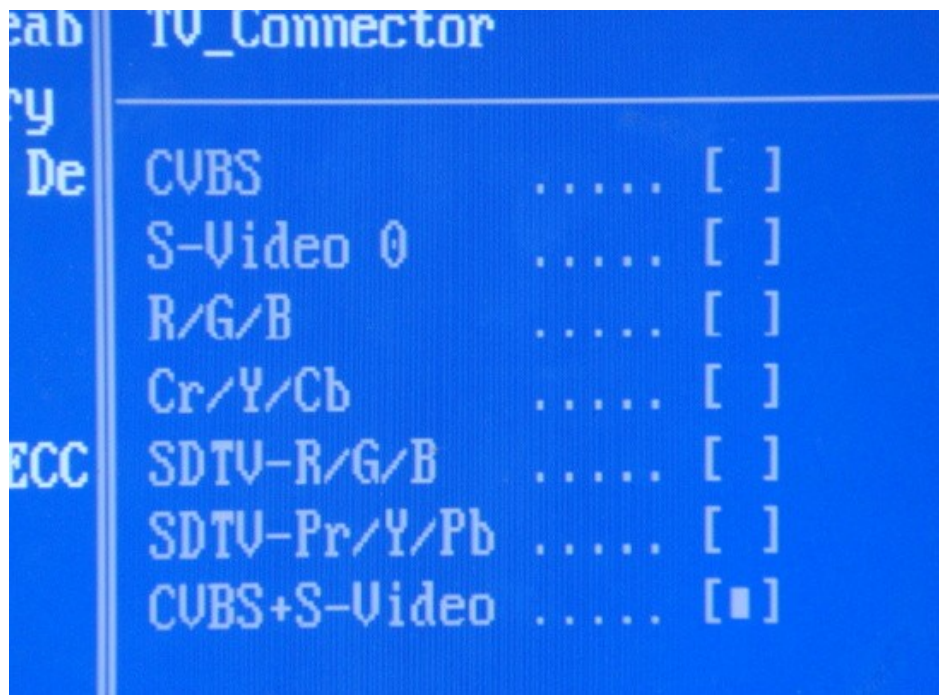|		Item Help
▶ DRAM Clock/Drive Control	[Press Enter]	
▶ AGP & P2P Bridge Control	[Press Enter]	Menu Level ▶
▶ CPU & PCI Bus Control	[Press Enter]	
Memory Hole	[Disabled]	
System BIOS Cacheable	[Disabled]	
Video RAM Cacheable	[Disabled]	
VGA Share Memory Size	[32M]	
Select Display Device	[CRT+DVI]	
TV_type	[NTSC]	
TV_Connector	[CVBS+S-Video]	
Panel Type	[00]	
Memory Parity/ECC Check	[Disabled]	

- Make selections depending on different output needs:
  DVI Select DVI to fit DVI format
  CRT Select VGA to fit CRT format
  TV Select TV to fit Component-Video, AV, S-Video formats

- If the screen color is incorrect when using component-video out, re-enter into BIOS to select TV_Connector in Advanced Chipset Features

- Please select the input format that your monitor accepts.

- Save settings before exit.

About us

Huang Chung Electronics Ltd is a professional business agent of ASUS, ACER, HP and MSI. We manage to make the maximal profit of every product for our suppliers with our professional business means and the support of the original manufacturers, which lead to a three-win situation among us, the suppliers and the dealers. We have been focused on the 3C market, especially the products of mini PC, Barebone System and UMPC. In recent years, we expanded our influence to other areas other then the 3C market. We successfully produced a series of complete sets of products in the communication aspect. Besides these, we also produce the 3C related accessories basing on our own research, such as multi-purpose car charger, Bluetooth adapter, AC adapter, etc. The creative spirit of making our products Easy in use, Effective in work and Elegant in appearance has lead us a long way to what we are today.

Any reliable and interested corporations around the world are welcome to be our business partner. Please contact us by any of the methods followed:

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