



Video

Set this field to the type of video display card installed in your system.

EGA/ VGA	Enhanced Graphics Adapter / Video Graphic Array. For EGA, VGA, SEGA, SVGA, or PGA monitor adapters.
CGA 40	Color Graphic Adapter, powering up in 40 column mode.
CGA 80	Color Graphic Adapter, powering up in 80 column mode.
MONO	Monochrome adapter, including high resolution monochrome adapters.

Halt On

This category determines whether or not the computer will stop if an error is detected during powering up.

No errors	The system boot will not stop for any errors that may be detected.
All errors	Whenever the BIOS detects a non-fatal error, the system will stop and you will be prompted.
All, But Keyboard	The system boot will not stop for a keyboard error; but it will stop for all other errors.
All, But Diskette	The system boot will not stop for a disk error; but it will stop for all other errors.
All, But Disk/Key	The system boot will not stop for a keyboard or disk error, but it will stop for all other errors.

Memory

This is a Display-Only Category, determined by POST (Power On Self Test) of the BIOS.

Base Memory	The POST of the BIOS will determine the amount of base (or conventional) memory installed in the system.
Extended Memory	The BIOS determines how much extended memory is presented during the POST.
Total Memory	Total memory of the system equals the sum of the above memory.



CPU SpeedEasy Setup

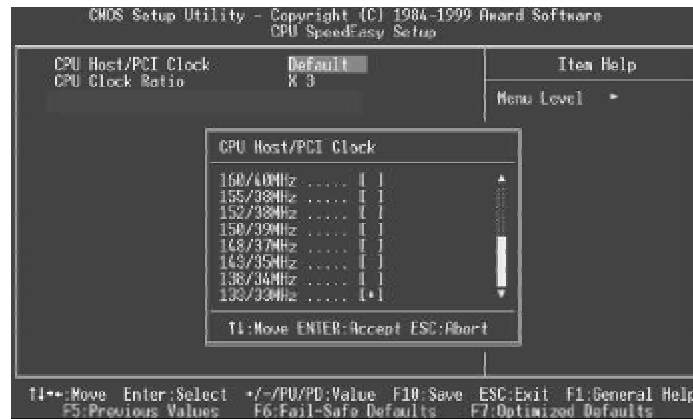


Figure-3 CPU SpeedEasy Setup Menu

The following indicates the options for each item and describes their meaning.

<u>Item</u>	<u>Option</u>	<u>Description</u>
● CPU Host/PCI Clock	<i>Default</i>	BIOS can automatically detect the system FSB and PCI clock speed , only run at actual speed.
	100/33MHz	These items is only for users who understand the CPU and PCI clock parameters, i.e. system bus frequency "100MHz" , PCI clock frequency "33MHz".
	.	
	.	
	160/40MHz	Warning: If Frequencies are set above 133MHz exceed the specifications for the onboard Intel chipset, we will not be responsible for any damages caused.
● CPU Clock Ratio	3	This item is for unlocked processors only. If your processor's frequency multiple is detected locked, it's invalid to set frequency multiple.
	3.5	
	.	
	.	
	8	

TIP: FSB 66MHz processors (Pentium® II Klamath or Celeron™) will run at 100MHz FSB on CenturieX 1 mainboard, however they are not guaranteed to be stable.



Advanced BIOS Features Setup



Figure-4 Advanced BIOS Features Menu

The following indicates the options for each item and describes their meaning.

<u>Item</u>	<u>Option</u>	<u>Description</u>
• Anti-Virus Protection	<i>Enabled</i>	Guards against boot virus threats early in the boot cycle, before they have a chance to load into your system, ensuring your computer boots to a clean operating system.
	<i>Disabled</i>	Disables this function.
• CPU L1 Cache	<i>Enabled</i>	Enabling this option speeds up memory access.
	<i>Disabled</i>	However, it depends on CPU/chipset design.
• CPU L2 Cache	<i>Enabled</i>	Enables external L2 cache. This allows better performance.
	<i>Disabled</i>	Disables external cache.
• CPU L2 Cache ECC Checking	<i>Enabled</i>	Enables CPU L2 Cache ECC (Error Checking and Correction) function.
	<i>Disabled</i>	Disables CPU L2 Cache ECC function.
• Processor Number Feature	<i>Enabled</i>	Pentium® III processor number can be readable.
	<i>Disabled</i>	Pentium® III processor number can be unreadable.
• Quick Power On Self Test	<i>Enabled</i>	Allows the system to skip certain tests while booting. This will decrease the time needed to boot the system.
	<i>Disabled</i>	Normal POST.



• First (Second, Third) Boot Device	<i>Disabled</i>	Select Your Boot Device Priority. It could be Disabled, Floppy, LS/ZIP, HDD-0, HDD-1, HDD-2, HDD-3, SCSI, CDROM, LAN.
• Swap Floppy Drive	<i>Floppy</i>	
• Boot Up Floppy Seek	<i>Enabled</i>	If the system has two floppy drives, choose enable to assign physical drive B to logical drive A and vice-versa.
• Boot Up NumLock Status	<i>Disabled</i>	Tests floppy drives to determine whether they have 40 or 80 tracks.
• Gate A20 Option	<i>On</i>	Select power on state for NumLock.
	<i>Off</i>	
• Typematic Rate Setting	<i>Normal</i>	Lets chipset control GateA20 and Normal - a pin in the keyboard controller controls GateA20. Default is Fast.
	<i>Fast</i>	
• Typematic Rate (chars/sec)	<i>Enabled</i>	Keystrokes repeat at a rate determined by the keyboard controller - when enabled, the typematic rate and typematic delay can be selected.
• Typematic Delay (Msec)	<i>Disabled</i>	The rate at which character repeats when you hold down a key.
• Security Option	6-30	The delay before keystrokes begin to repeat.
	250-1000	
• OS Select For DRAM>64MB	<i>Setup</i>	Select whether the password is required every time the system boots or only when you enter setup.
• Flash Write Protect	<i>System</i>	Select OS2 only if you are running OS/2 operating system with more than 64MB of RAM.
• Report NO FDD for WIN 95	<i>Non-OS2</i>	Flash program is allowed.
	<i>OS2</i>	Does not allow flash program.
	<i>Enabled</i>	Reports NO Floppy Disk Drive for WIN 95 to release IRQ6.
	<i>Disabled</i>	Does not report No Floppy Disk Drive for WIN 95.
	<i>Yes</i>	
	<i>No</i>	



Advanced Chipset Features Setup

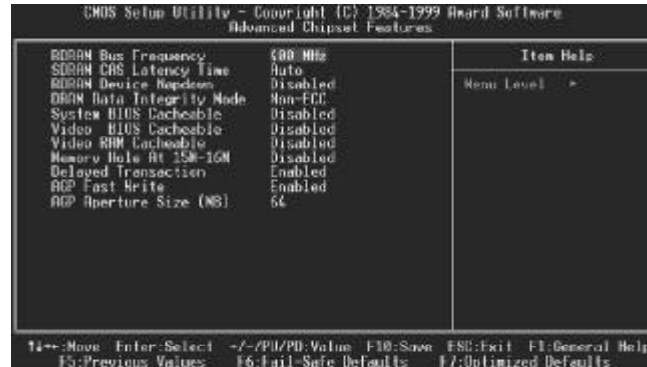


Figure-5 Advanced Chipset Features Menu

The following indicates the options for each item and describes their meaning.

<u>Item</u>	<u>Option</u>	<u>Description</u>
• RDRAM Bus Frequency	266 /300 356/400	Sets RDRAM Bus frequency.
• RDRAM Device Napdown	5/7	Default setting is suggested.
• DRAM Data Integrity Mode	Non-ECC ECC	Default setting is suggested.
• System BIOS Cacheable	Enabled Disabled	Besides conventional memory, the system BIOS area is also cacheable. The system BIOS area is not cacheable.
• Video BIOS Cacheable	Enabled Disabled	Besides conventional memory, the video BIOS area is also cacheable. the Video BIOS area is not cacheable.
• Video RAM Cacheable	Enabled Disabled	Besides conventional memory, the video RAM area is also cacheable. the Video RAM area is not cacheable.
• Memory hole at 15M-16M	Enabled Disabled	Memory hole at 15-16M is reserved. Does not set this memory hole.
• Delayed Transaction	Enabled Disabled	Default setting is suggested.
• AGP Fast Write	Enabled Disabled	Default setting is suggested.
• AGP Aperture Size(MB)	4~256	Sets the effective size of the Graphics Aperture to be used in the particular PAC Configuration.
• Close Empty PCI Clock	Enabled Disabled	Closes empty PCI clock to reduce EMI. Does not close empty PCI clock.
• Spread Spectrum	Enabled Disabled	Enables Spread Spectrum to reduce EMI. Disables Spread Spectrum.



Power Management Setup



Figure-6 Power Management Setup Menu

The following indicates the options for each item and describes their meaning.

Item	Option	Description
• ACPI function	<i>Disabled</i> <i>Enabled</i>	Invalidates ACPI function. Validates ACPI function.
• ACPI Suspend Type	<i>S1</i> <i>S3</i>	Selects the ACPI suspend type.
• Power Management	<i>Disabled</i> <i>User Define</i> <i>Min Saving</i> <i>Max Saving</i>	Global Power Management (PM) will be disabled. Users can configure their own Power Management Timer. Pre - defined timer values are used. All timers are in their MAX values. Pre - defined timer values are used. All timers are in their MIN values.
• Video Off Method	<i>Blank Screen</i> <i>V / H SYNC +</i> <i>DPMS</i>	The system BIOS will only blank off the screen when disabling video. In addition to Blank Screen, BIOS will also turn off the V-SYNC & H - SYNC signals from VGA card to monitor. This function is enabled only for VGA cards supporting DPMS. Note: When the green monitor does not detect the V/H-SYNC signals, the electron gun will be turned off.
• Video Off In Suspend	<i>Yes</i>	The system will disable video when entering suspend mode.
• Video Off In Suspend	<i>Yes</i> <i>No</i>	The system will disable video when entering suspend mode. Does not turn off video when entering suspend mode.



• Suspend Type	<i>Stop Grant PwrOn Suspend</i>	Selects the Suspend type.
• MODEM Use IRQ	<i>3, 5, 7, 9, 10, 11 NA</i>	Special wake-up event for Modem.
• Suspend Mode	<i>Disabled Min ~ 1Hr</i>	The system never enters Suspend mode by timer. Defines the continuous idle time before the system enters Suspend mode. If any items defined in "PM Events" are on and activated, the system will be woken up.
• HDD Power Down	<i>Disabled 1 - 15 Min</i>	HDD's motor will not be off by timer. Defines the continuous HDD idle time before the HDD enters power saving mode (motor off).
• Soft-Off by PWR-BTTN	<i>Instant-Off Delay 4 secs</i>	The system will immediately power off once the power button is pressed. The system will power off when power button is pressed for 4 seconds.
• Wake-Up by PCI card	<i>Enabled</i>	Allows the system to be woken up by PCI card. Does not allow the system to be powered on by PCI card.
• Power on by LAN/Ring	<i>Enabled</i>	Allows the system to be powered on when a Ring indicator signal comes up to UART1 or UART2 from external modem (to LAN Wake-up Header from LAN adapter or to modem Ring on Header from internal modem card).
• USB KB Wake-up From S3	<i>Disabled Enabled</i>	Does not allow Ring/LAN wake up. System can be woken up by USB Keyboard from ACPI S3 type. Please make sure JUSB jumper is set as Enabled.
• CPU Thermal- Throttling	<i>Disabled Enabled</i>	Does not allow system can be woken up by USB Keyboard from ACPI S3 type.
• Resume by Alarm	<i>12.5%, 25%, 50%, 37.5%, 62.5%, 75%, 87.5%</i>	Selects the duty cycle of the STPCLK# signal, slowing down the CPU speed when the system enters green mode.
• Primary IDE 0/1, Secondary IDE 0/1	<i>Enabled</i>	RTC alarm can be used to generate a wake-up event to power up the system.
• FDD/COM/LPT Port	<i>Disabled</i>	RTC has no alarm function.
	<i>Enabled</i>	Reloads global timer, when there's an IDE event.
	<i>Disabled</i>	Does not reload global timer.
	<i>Enabled</i>	Reloads global timer, when there's a FDD/COM/LPT event.
	<i>Disabled</i>	Does not reload global timer.



BIOS Description

- PCI IRQ[A - D]#

<i>Enabled</i>	Reloads global timer, when there's an PCI event.
<i>Disabled</i>	Does not reload global timer.

PNP/PCI Configuration Setup

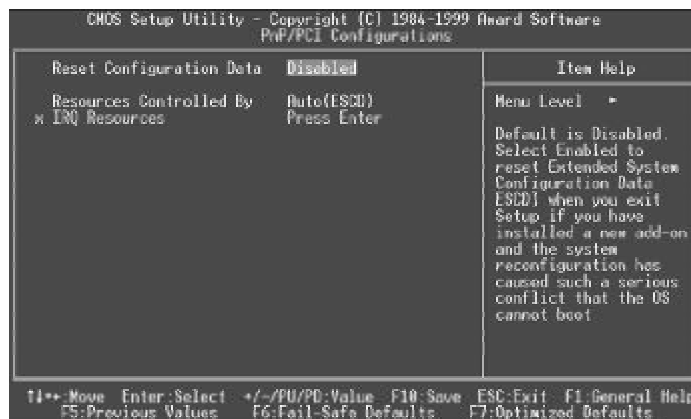


Figure-7 PNP/PCI Configuration Setup Menu

The following indicates the options for each item and describes their meaning.

<u>Item</u>	<u>Option</u>	<u>Description</u>
• Reset Configuration Data	<i>Enabled</i>	Default is Disabled. Select Enabled to reset Extended System Configuration Data ESCD when you exit Setup, if you have installed a new add-on and the system reconfiguration has caused serious conflicts preventing the OS from booting.
• Resources Controlled By	<i>Disabled</i> <i>Auto(ESCD)</i> <i>Manual</i>	Disables the configuration data function. BIOS can automatically configure all boot and Plug and Play compatible devices. If you choose Auto, you cannot select IRQ DMA and memory base address fields, because BIOS automatically assigns them.



Integrated Peripherals



Figure-8 Integrated Peripherals Menu

The following indicates the options for each item and describes their meaning.

<u>Item</u>	<u>Option</u>	<u>Description</u>
• On-Chip Primary/Secondary PCI IDE	<i>Enabled</i> <i>Disabled</i>	On-Chip Primary/Secondary PCI IDE is enabled. On-Chip Primary/Secondary PCI IDE is disabled.
• IDE Primary/ Secondary Master/Slave PIO	<i>Mode 0 - 4</i> <i>Auto</i>	Defines the IDE primary/secondary master/ slave PIO mode. The IDE PIO mode is defined by auto -detection.
• IDE Primary/ Secondary Master/Slave UDMA	<i>Auto</i> <i>Disabled</i>	Ultra DMA mode will be enabled if an Ultra DMA device is detected. Disables this function.
• USB Controller	<i>Enabled</i> <i>Disabled</i>	Enables onchip USB controller. Disables onchip USB controller.
• USB Keyboard Support	<i>Enabled</i> <i>Disabled</i>	USB keyboard support is enabled. USB keyboard support is disabled.
• Init Display First	<i>PCI Slot</i> <i>Onboard</i>	Initializes the PCI VGA first. Initializes the AGP first. For PCI VGA or AGP, the one initialized first functions.
• AC97 Audio	<i>Enabled</i> <i>Disabled</i>	Enables the AC97 Audio onboard. Disables the AC97 Audio onboard.
• AC97 Modem	<i>Enabled</i> <i>Disabled</i>	Enables the AC97 Modem onboard. Disables the AC97 Modem onboard.
• IDE HDD Block Mode	<i>Enabled</i> <i>Disabled</i>	Allows IDE HDD to read/write several sectors at once. IDE HDD only reads/writes a sector once.



BIOS Description

- | Item | Options | Description |
|---------------------------|---|--|
| • Power On Function | <i>BUTTON ONLY</i> | Uses the power button to power up the system. |
| • KB Power ON Password | <i>Password Enter</i> | Enables the Keyboard Password Power-On. |
| • Onboard FDC Controller | <i>Enabled</i> | Onboard floppy disk controller is enabled. |
| • Onboard Serial Port 1/2 | <i>Disabled</i> | Onboard floppy disk controller is disabled. |
| | <i>3F8/IRQ4, 2F8/IRQ3, 3E8/IRQ4, 2E8/IRQ3, Auto</i> | Defines the onboard serial port address and required interrupt number. |
| | <i>Disabled</i> | Onboard serial port address and IRQ are automatically assigned. |
| • UART Mode Select | <i>Normal</i> | Onboard serial port is disabled. |
| • Rx/D, Tx/D Active | <i>Lo, Hi</i> | This option is used to configure UART Mode. |
| | <i>Hi, Lo</i> | Default setting is suggested. |
| | <i>Lo, Lo</i> | |
| | <i>Hi, Hi</i> | |
| • IR Transmission Delay | <i>Enabled</i> | Default setting is suggested. |
| • UR2 Duplex Mode | <i>Disabled</i> | |
| • Use IR Pins | <i>Full</i> | Default setting is suggested. |
| | <i>Half</i> | |
| • Onboard Parallel Port | <i>IR-Rx2Tx2</i> | Default setting is suggested. |
| | <i>RxD2, Tx/D2</i> | |
| | <i>378/IRQ7, 278/IRQ5, 3BC/IRQ7</i> | Defines onboard parallel port address and IRQ channel. |
| | <i>Disabled</i> | Onboard parallel port is disabled. |
| • Parallel Port Mode | <i>SPP</i> | Defines the parallel port mode as standard |
| | <i>EPP</i> | Parallel Port(SPP), Enhanced Parallel Port(EPP), or |
| | <i>ECP</i> | Extended Capabilities Port(ECP). |
| | <i>ECP+EPP</i> | |
| • EPP Mode Select | <i>EPP1, 7</i> | Default setting is suggested. |
| | <i>EPP1, 9</i> | |
| • EPP MDe use DMA | <i>3, 1</i> | Default setting is suggested. |



- | | | |
|------------------------|---|---|
| • PWRON After PWR-Fail | <i>OFF</i> | The system remains OFF when the AC power supply resumes. |
| | <i>ON</i> | The system will be powered up when the AC power supply resumes. |
| | <i>Former-Sts</i> | Whatever the system status is before the AC power supply cuts off, the system resumes in the previous status (ON/OFF) when the AC power supply resumes. |
| • Game Port Address | <i>Disabled</i>
<i>201</i>
<i>209</i> | This option is used to configure Game Port Address. |
| • Midi Port Address | <i>Disabled</i>
<i>300</i>
<i>330</i> | This option is used to configure Midi Port Address. |
| • Game Port Address | <i>Disabled</i>
<i>201</i>
<i>209</i> | This option is used to configure Game Port Address. |
| • Midi Port Address | <i>Disabled</i>
<i>300</i>
<i>330</i> | This option is used to configure Midi Port Address. |
| • Midi Port IRQ | <i>5, 10</i> | Default setting is suggested. |



PC Health Status

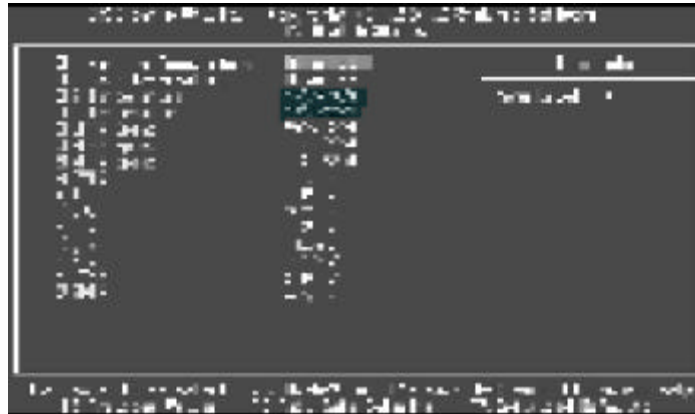


Figure-9 PC Health Status Menu

The following indicates the options for each item and describes their meaning.

<u>Item</u>	<u>Option</u>	<u>Description</u>
• CPU Warning Temperature	50°C/122°F 53°C/127°F . . . 95°C/205°F Disabled	An alarm will beep when the CPU temperature reaches the previous setting, 50°C/122°F, 53°C/127°F, 56°C/133°F, 60°C/140°F, 63°C/145°F, 66°C/151°F, 70°C/158°F, 80°C/176°F, 85°C/185°F, 90°C/194°F, 95°C/205°F. No alarm beep.
• Shutdown Temperature	60°C/140°F 65°C/149°F 70°C/158°F 75°C/167°F Disabled	The system will shut down automatically when the CPU temperature reaches the previous setting, 60°C/140°F, 65°C/149°F, 70°C/158°F, 75°C/167°F, 85°C/185°F, 90°C/194°F. The system remains on regardless of how much the CPU temperature is.
• CHS temperature		The temperature inside the chassis.
• CPU Temperature		The temperature near CPU.
• CPUFAN Speed		RPM (Revolution Per Minute) Speed of fan which is connected to the fan header, CPUFAN or
CHSFAN Speed		CHSFAN, BAKFAN. Fan speed value is based on an assumption that tachometer signal is two pulses per revolution. In other cases, you should regard it relatively.
BAKFAN Speed		



- VCCVID
VTT
+3.3V,

+5 V,
+12 V,
-12 V,
2.5VSB
5VSB(V)

Displays current voltage value including all significant voltages of the mainboard. +3.3V, +5V, +12V, -12V and 5VSB are voltages from the ATX power supply, VTT(+1.5) Voltage is GTL Termination voltage from the on board regulator Termination voltage from the on board regulator and VCCVID (CPU) Voltage is the CPU core voltage from the on board switching Power Supply.



Password Setting

When this function is selected, the following message appears at the center of the screen to assist you in creating a password.

ENTER PASSWORD

Type the password, up to eight characters, and press <Enter>. The password typed now will clear any previously entered password from CMOS memory. You will be asked to confirm the password. Type the password again and press <Enter>. You may also press <Esc> to abort the selection.

To disable password, just press <Enter> when you are prompted to enter password. A message will confirm the password being disabled. Once the password is disabled, the system will boot and you can enter BIOS Setup freely.

PASSWORD DISABLED

If you have selected “**System**” in “Security Option” of “BIOS Features Setup” menu, you will be prompted for the password every time the system reboots or any time you try to enter BIOS Setup.

If you have selected “**Setup**” at “Security Option” from “BIOS Features Setup” menu, you will be prompted for the password only when you enter BIOS Setup.

Supervisor Password has higher priority than User Password. You can use Supervisor Password when booting the system or entering BIOS Setup to modify all settings. Also you can use User Password when booting the system or entering BIOS Setup but can not modify any setting if Supervisor Password is enabled.

Boot with BIOS defaults

If you have made all the changes to CMOS values and the system can not boot with the CMOS values selected in setup, clear CMOS after power-down, then power on again. System will boot with BIOS default settings.



Appendix

QDI Driver CD 2000

A QDI Driver CD 2000 is supplied with this mainboard, the contents contained in it are showed as below:

1. Express Install

It's recommended for most users that program will be installed with the most common options.

- | | |
|--|---------------------------|
| A. Intel 810 INF(Intel 820 INF also to choose) | B. Intel INF Utility |
| C. Intel Security Driver | D. VGA Driver |
| E. Audio Driver | F. MIDI Driver (optional) |
| G. Network Driver (optional) | |

2. Chipset Driver

It's recommended for advanced users that you may choose the options you want to install.

- | | |
|--|----------------------|
| A. Intel 810 INF(Intel 820 INFalso to choose)) | B. Intel INF Utility |
| C. Intel Security Driver | D. VGA Driver |
| E. Browse this Directory | |

3. OnBoard Device Driver

It's recommended for advanced users that you may choose the options you want to install.

- | | |
|------------------------------|---------------------------|
| A. Audio Driver | B. MIDI Driver (optional) |
| C. Network Driver (optional) | |

Restart the computer after installing the sound driver, the system will then find the sound device, press "next" until "finish" according to the prompt, then the sound device will work normally. Don't forget to restart the computer once again!

Notice: If you press "cancel" instead of "next" during the above procedures, the sound device may not be found automatically, restart the computer again and repeat the above procedures, then it works.

4. Accessory

The softwares contained in this directory are:

- | | |
|----------------|-------------------|
| A. DirectX 7.0 | B. QDI ManageEasy |
| C. PC-cillin | |

5. Browse CD

You could read all the contents contained in this CD, including Utility and Documents.

The files included in **Utility** are:

- | | |
|-----------------|-----------|
| A. Awdflash.exe | B. Lf.exe |
|-----------------|-----------|

The files included in **Documents** are:

- | |
|---|
| A. Adobe Acrobat Reader V3.0 - Ar32e301.exe |
| B. French Manual - WX1 FR.doc, ect. |

Board Layout of CenturieX 1 V2.0

P/N: 430-01018-302-00
Manual CenturieX 1 Ver 2.0