Watchdog Timer Software

for Windows

User Manual

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Content

I. Introduction

This software goes with all of the AAEON's SBC series products that can allow users program the hardware watchdog function under the Microsoft Windows Operation System. (Including Windows 9x／ME／NT／2000／XP／Server 2003)

** This version only for AAEON's

SBC-456, SBC-657, HSB-657I,

SBC-780, GENE-6330, GENE-6310 Rev.A.

If you want to use it on other models, please find the right version on our web site.

II. Main Feature

- Running in any 32bit Windows operation system

- Support Touch screen ∕ Keyboard ∕ Mouse input

- Support Command Line for user's parameters

- Support Windows Standby ∕ Suspend function
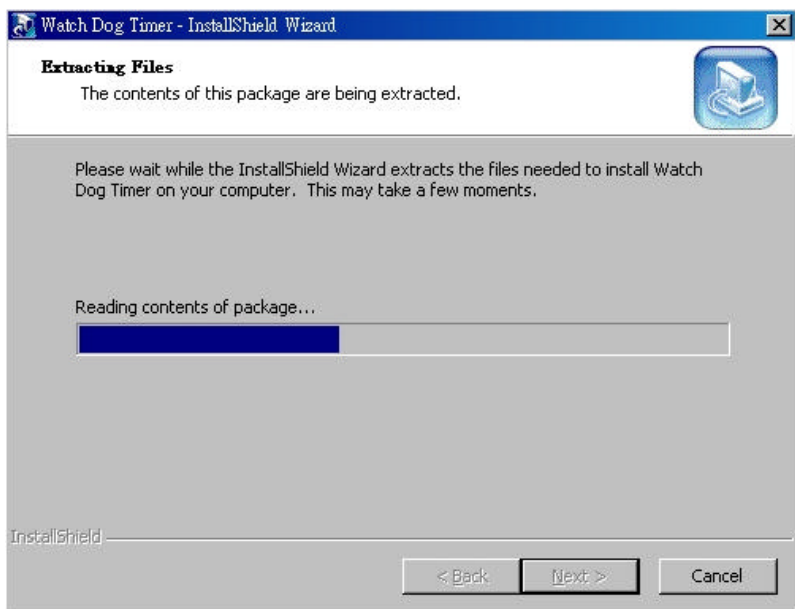
- Easy put this program to your applications

III. Installation

A. Please execute the installation program directly. The first image for Installation program is as Illustration1. Please click 「Next」 to process the installation initiation as Illustration2.
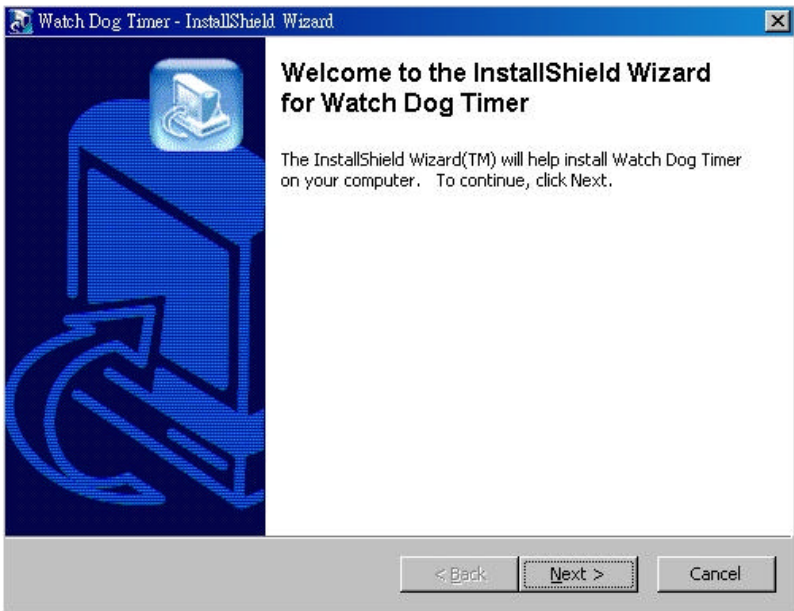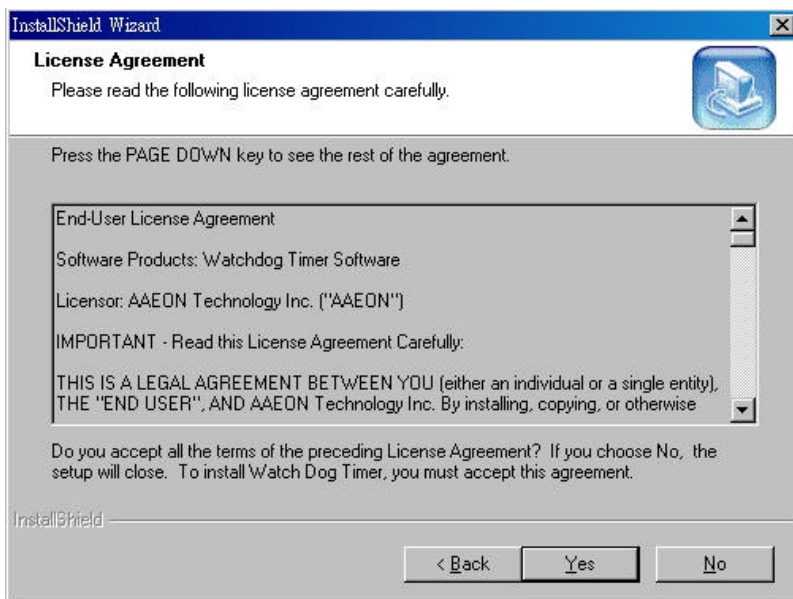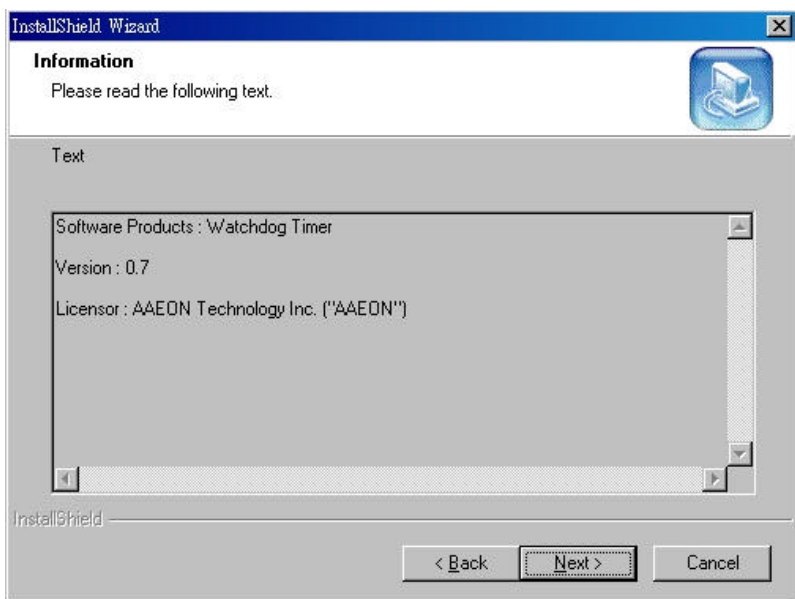

(Illustration1)

(Illustration2)

B. After you click   Yes   button to approve the license agreement, you would click   Next   to the verification image. Please verify the route where you would like to install.
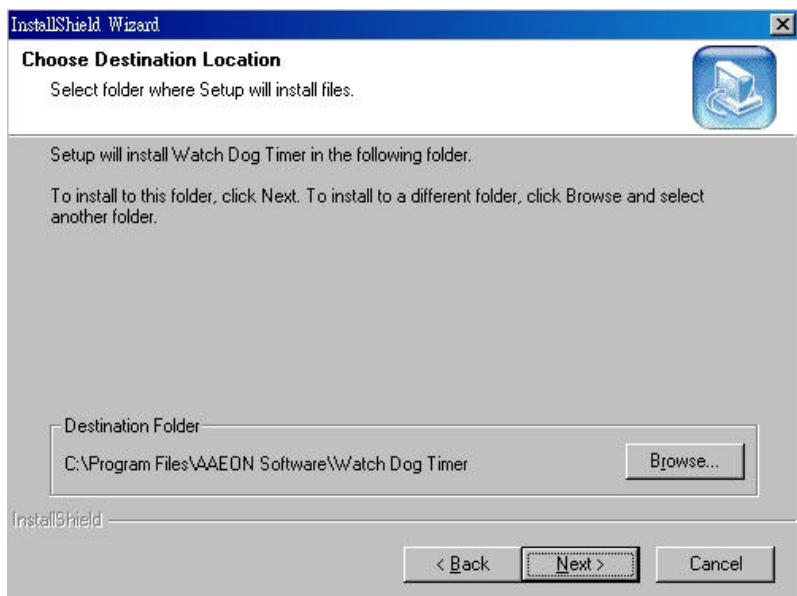
(See Illustration5 & 6)

(Illustration3)

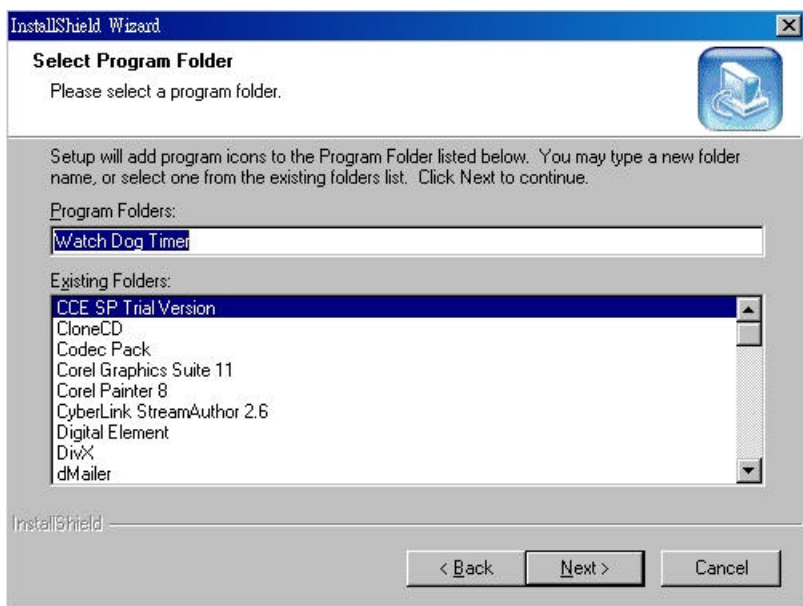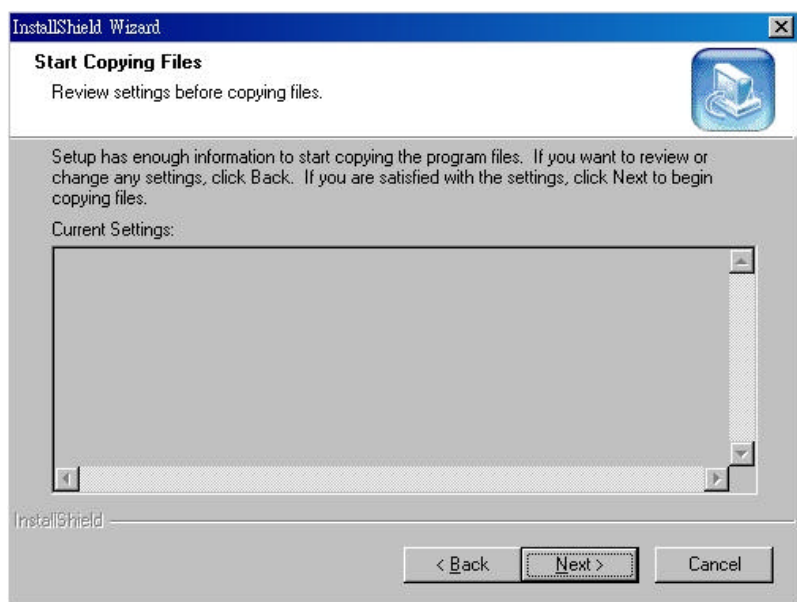(Illustration4)

(Illustration5)

C. Please click　Next　in order and you will end up the Installation process.
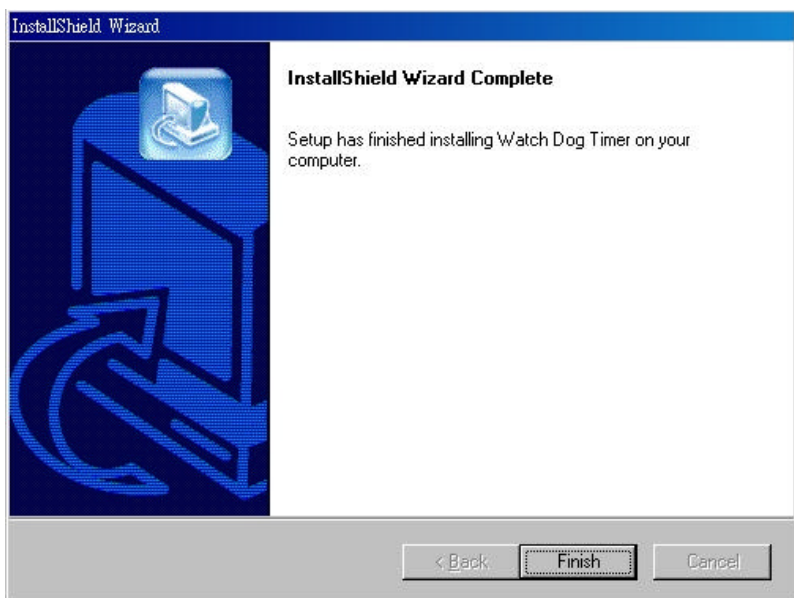
(See Illustration7 & 8)
And then click　Finish　to fully end up the Installation process.
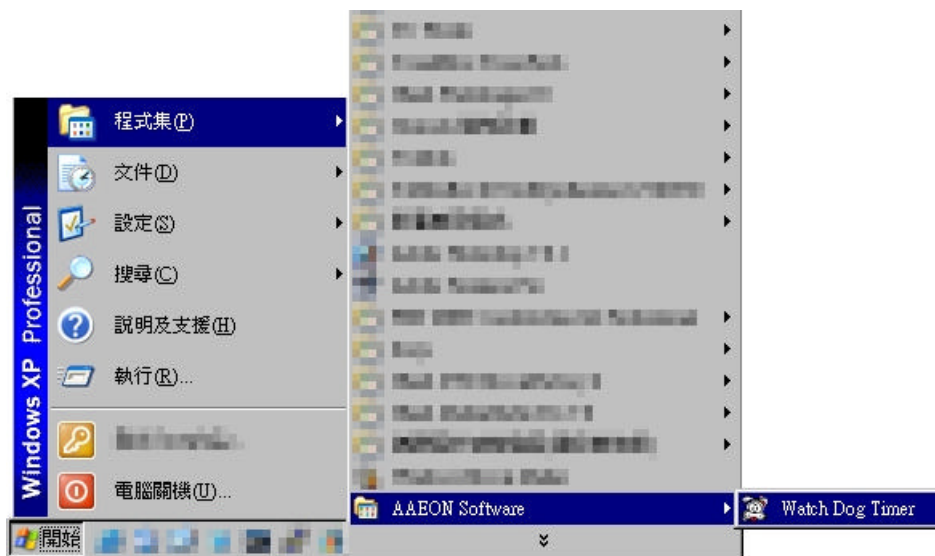

(Illustration6)

(Illustration7)

(Illustration8)

IV. Operation Explanation

A. Please execute AAEON WATCHDOG based on the
location where you install.

B. Initiation Operation Image as this:

C. Button Function Instruction

I. Switch on watchdog function

II. Stop watchdog function

III. Hide watchdog software in the system bar

IV. Exit watchdog program

V. About this program

D. You can set up the interval time to let watchdog function
   monitor your system. There are different interval time
   options such as 10 sec ／ 20 sec ／ 30 sec ／ 60 sec ／ 120 sec ／
   180 sec ／ 240 sec.
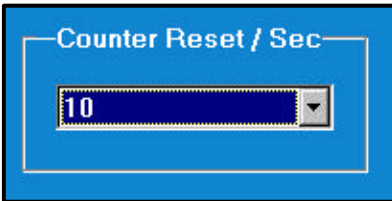
E. You can follow procedure to let your computer restart once
   the operation system appears no response. There are
   several alternatives such as

1.   Restart
2.   Emit NMI signal
3.   IRQ 10
4.   IRQ 11
5.   IRQ 15

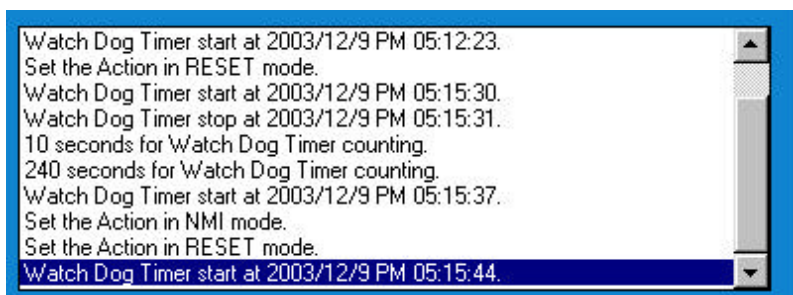F. You can have a better understanding of every action executed by watchdog software in the message column.


```
Watch Dog Timer start at 2003/12/9 PM 05:12:23.
Set the Action in RESET mode.
Watch Dog Timer start at 2003/12/9 PM 05:15:30.
Watch Dog Timer stop at 2003/12/9 PM 05:15:31.
10 seconds for Watch Dog Timer counting.
240 seconds for Watch Dog Timer counting.
Watch Dog Timer start at 2003/12/9 PM 05:15:37.
Set the Action in NMI mode.
Set the Action in RESET mode.
Watch Dog Timer start at 2003/12/9 PM 05:15:44.
```

V. Command Line

The program supports command line mode for watchdog active/inactive. We also can use load program with some parameters.

Command:

Watchdog.exe [/A0|A1] [/S1-S7] [/F1-F5] [/M0|M1]

See as follows:

|	
/A0,/A1	Inactive / Active
/S1 toS7	Port 443 value
	S1=10 | S2=20 | S3=30 | S4=60 |
	S5=120 | S6=180 | S7=240
/F1~F5	Action
	F1=Reset | F2=NMI | F3=IRQ 10
	| F4=IRQ 11 | F5=IRQ 15
/M0,/M1	Start program
	With Minimize / Without Minimize

Example :

Watchdog.exe /a1 /s7 /f1 /m1

Watchdog.exe /M0 /F2

Watchdog.exe /s3 /f4

If the user doesn't add any parameters, the program will run with "/a0 /s1 /f1 /m1" automaticly.

You also can put the parameter to the start menu.
See as follows:
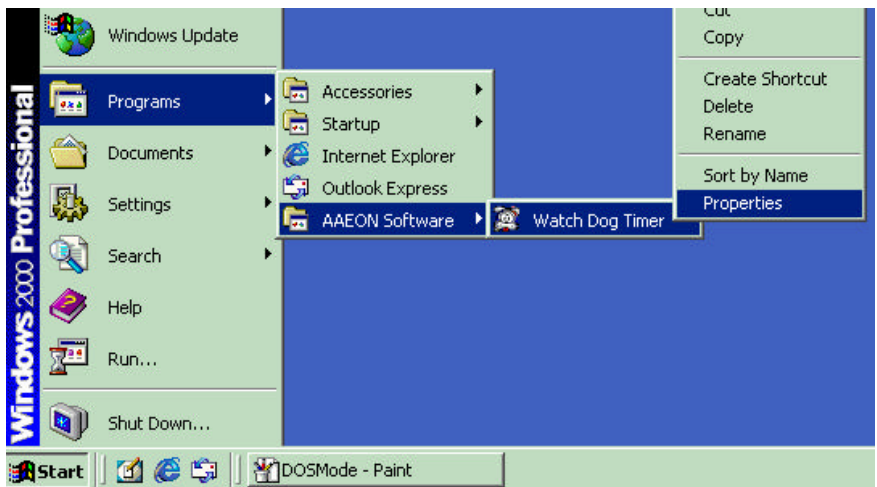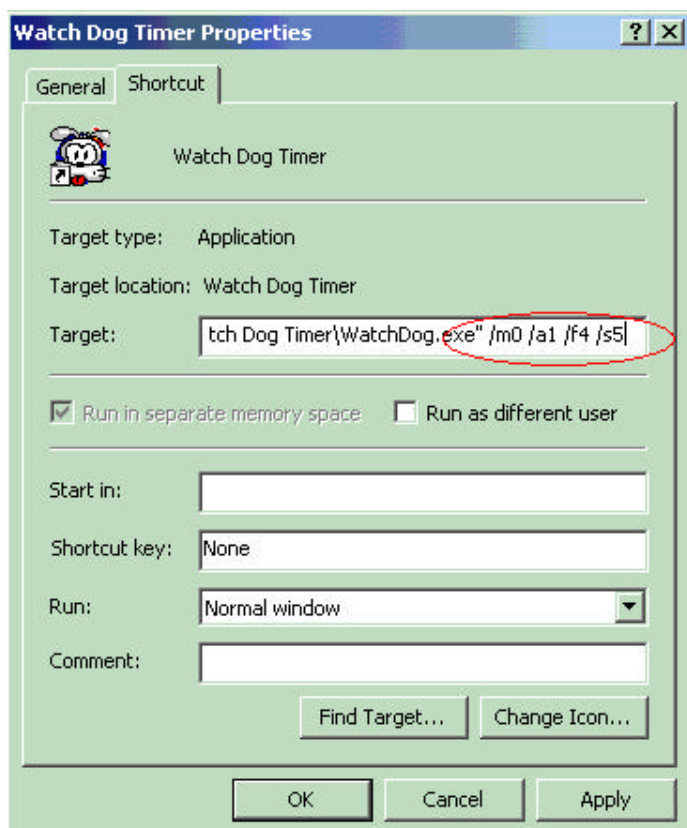
You can start it with the parameters that you want.