

S/U/M/A/ PLATINUM

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1. Copyright@2003

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3.

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- SUMA PLATINUM
- Microsoft Windows
-

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PLATINUM

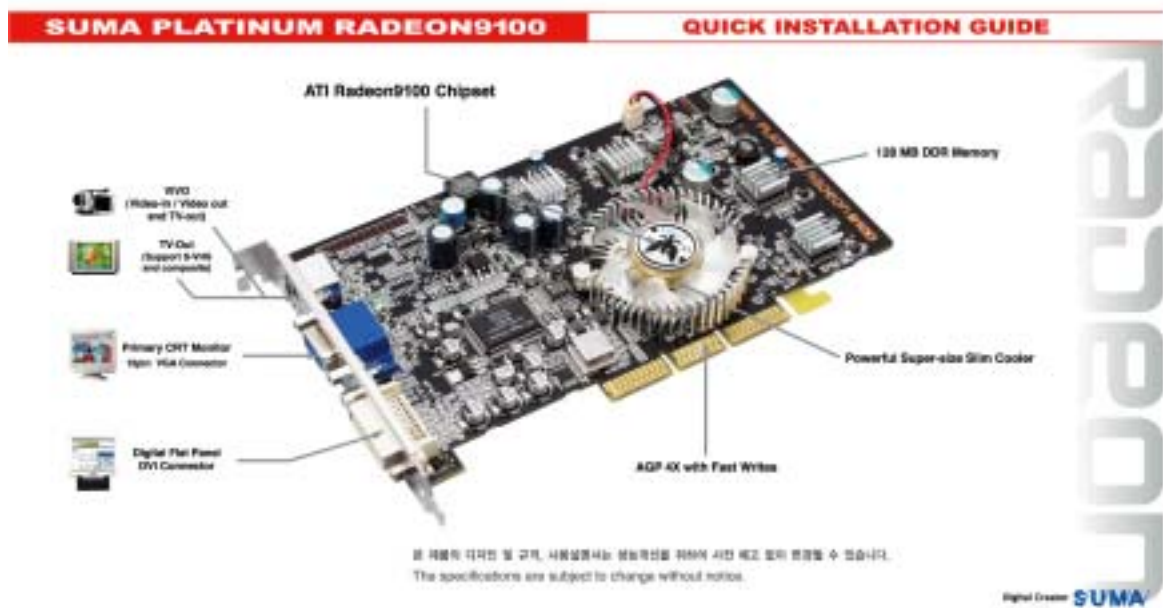
SUMA PLATINUM

2D, 3D 가

가

가

-1.



SUMA PLATINUM RADEON 9100 VIVO 128MB

(<http://www.suma.co.kr>)

Graphics Processing Unit (GPU)

2D 3D

Graphics Memory

SUMA PLATINUM 64MB 256MB DDR

AGP 2x / 4x / 8x

SUMA PLATINUM AGP 4
AGP 8 AGP 8

15-pin VGA Connector

()

TV-OUT (Composite / S-VIDEO) Connector

NTSC PAL TV TV

Secondary Output Device

ATI Catalyst
, HydraVision
2 2

DVI Connector

(Digital Flat Panel)
(CRT)

VIVO

Video-In Video-Out Video-In
, VCR 가
가 , Video-Out TV-Out
가 .

-

-2.

< >

- Windows 98/98SE
- Windows ME
- Windows NT 4.0
- Windows 2000
- Windows XP

< >

- CPU : Pentium 233MHz
(Pentium OR AMD K7)
- Memory : 64MB (128MB)
- Mainboard : 가 AGP 2x/4x/8x
- Monitor : 15 75MHz(17)
- Power Supply : 250W
- 가 CD-ROM DVD-ROM

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-1.

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AGP

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(1)

(2)

(3) AGP () 가



(4) AGP 가 AGP
(AGP 2 .)



AGP VGA CARD가



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(5) 가

(6) 15-pin VGA

(7)

(8)

-2.

-2-1. VIVO Cable (VIVO)

VIVO 4-PORT
(S-),

- ① S-VIDEO IN
- ② Composite IN
- ③ Composite OUT (TV-OUT)
- ④ S-VIDEO OUT (TV-OUT)



Note

VIVO 4-PORT 가 9 PIN 7
PIN TV-OUT .

-2-2. TV-OUT Cable

TV S- 가 S- ()
S- (7 Pin) , TV S-
가 (S-VIDEO to Composite)
TV Composite .

- DirectX

Note

CD

DirectX 9.0 (

)

-1. DirectX

SUMA PLATINUM CD "Autorun" Mode

CD CD-ROM

. (Autorun

CD "Autorun"

.)

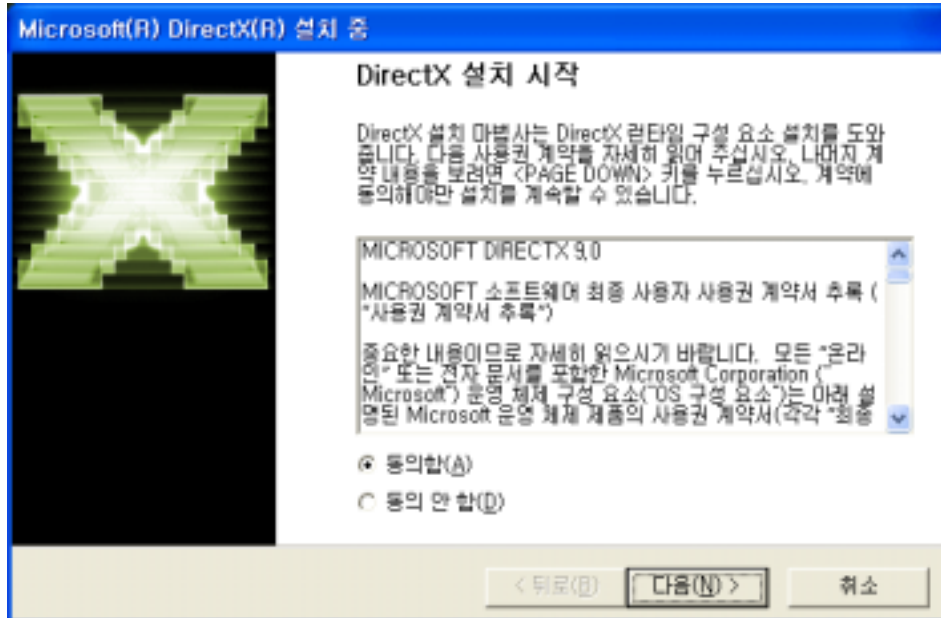
1.

<DirectX 9 >

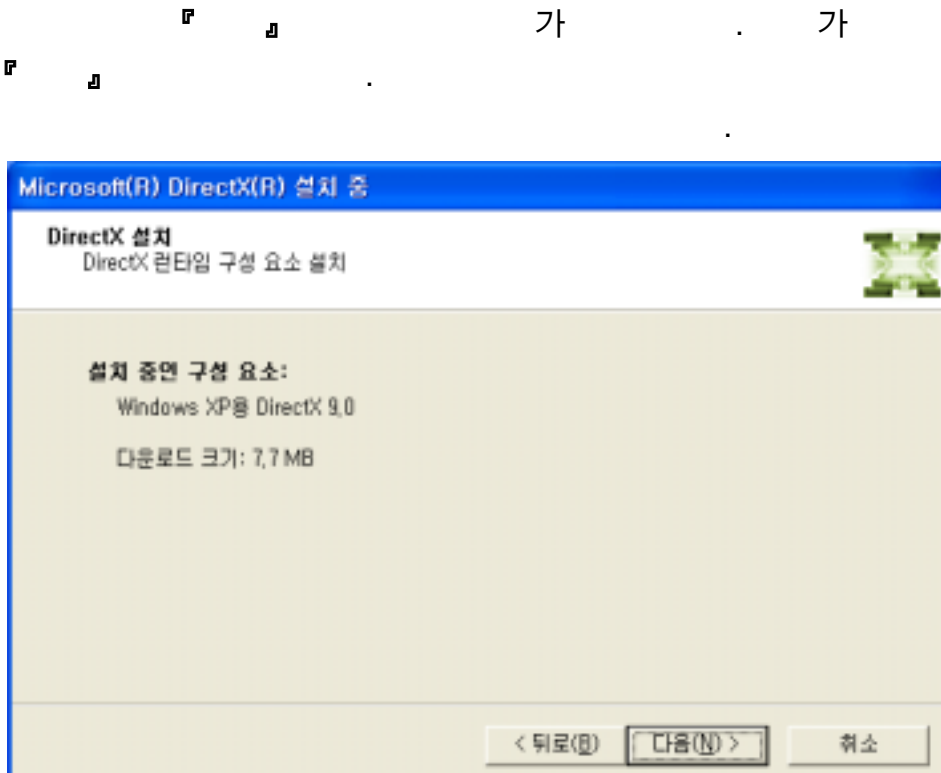


- DirectX

2.

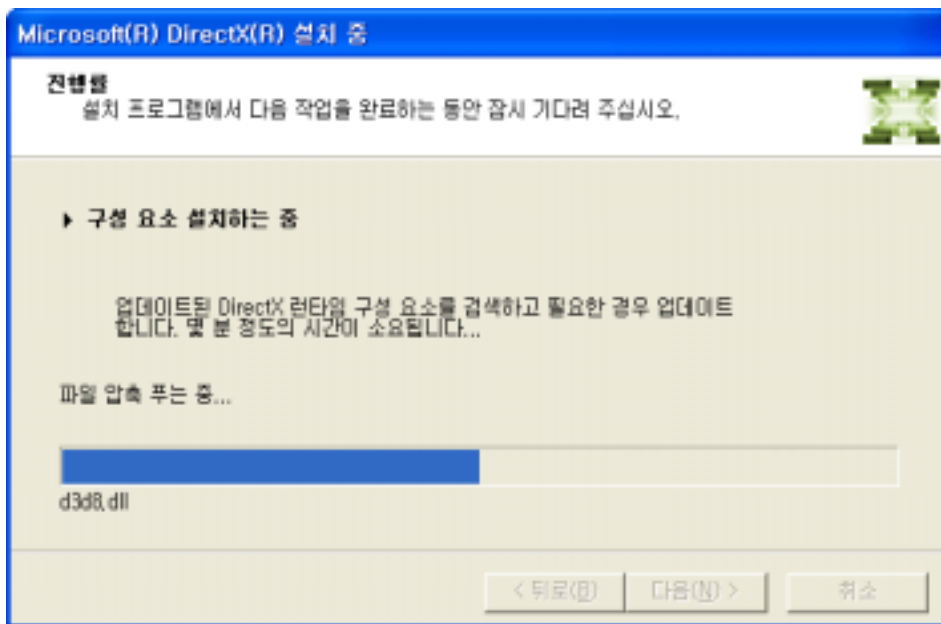


3.



- DirectX

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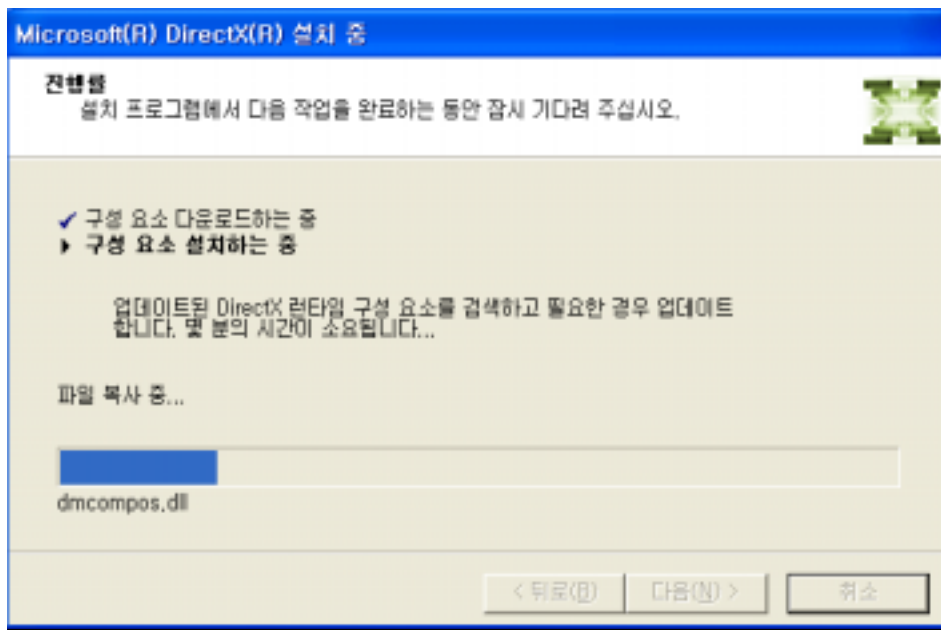


5.

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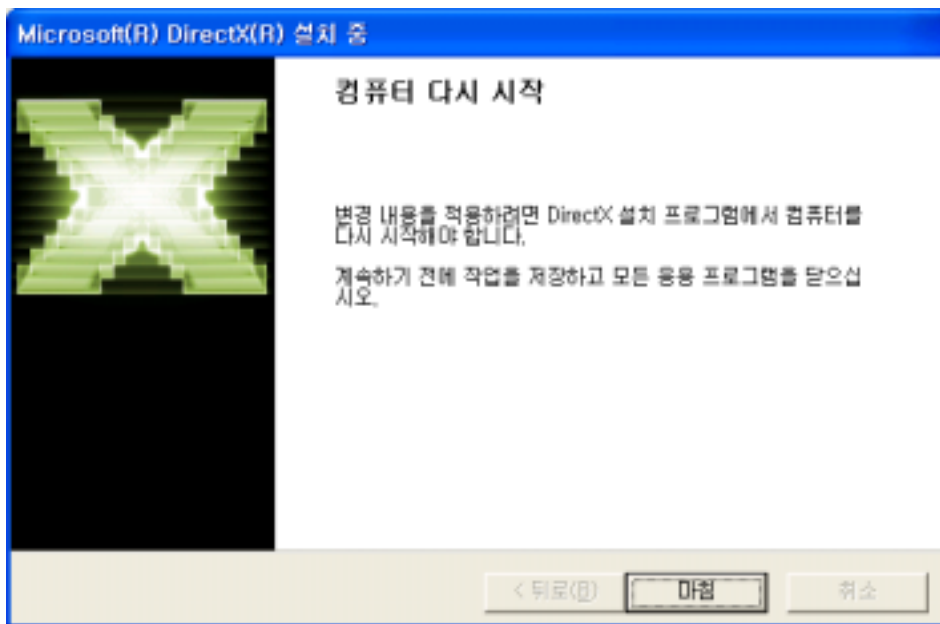
가



- DirectX

6. 가 DirectX

가
『 』



CATALYST -

-2. CATALYST

SUMA PLATINUM CD "Autorun" Mode .
CD CD-ROM
. (Autorun " "
CD "Autorun"
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Note

WIN 2K / XP DRIVER INSTALL

WIN 9X / ME
INSTALL

WIN 9X / ME DRIVER

가

1. <ATI >

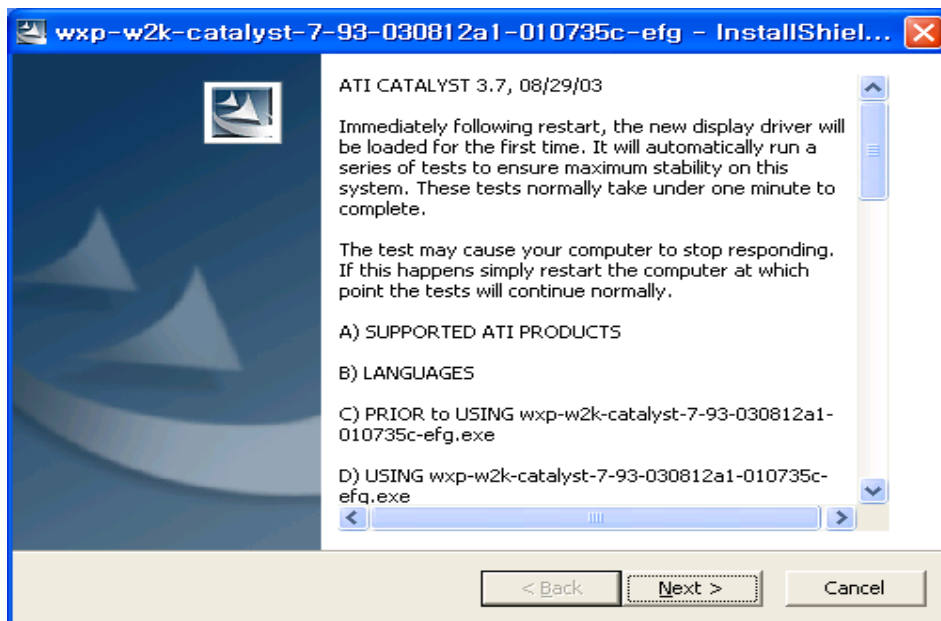


CATALYST -

2. <WIN 2K / XP DRIVER INSTALL>



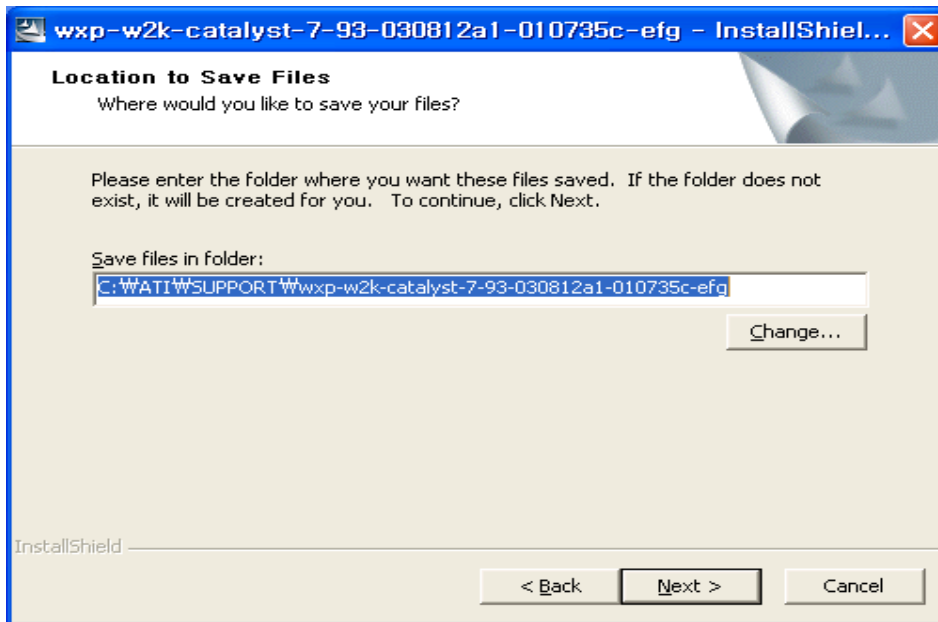
3. 『Next』



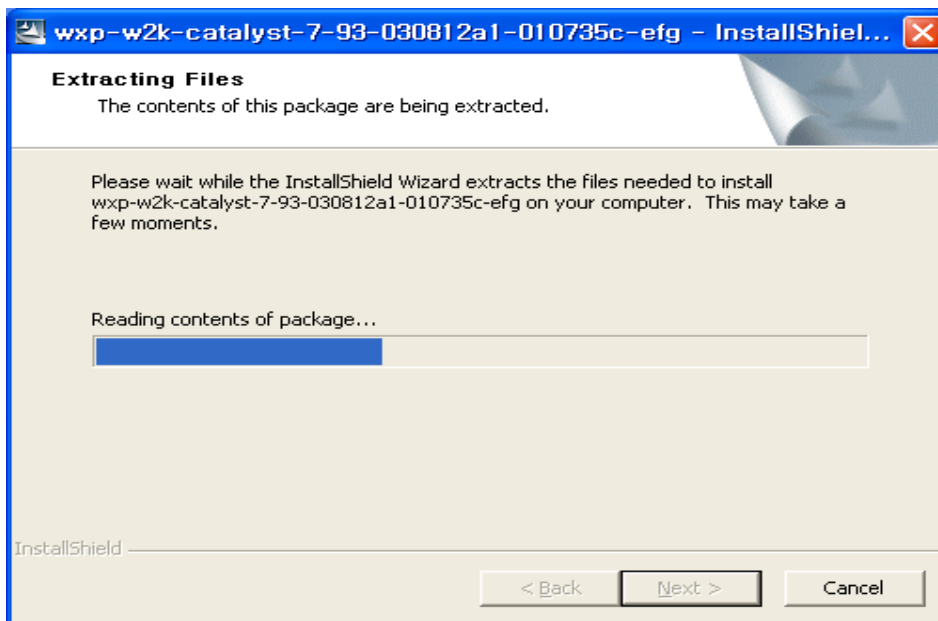
CATALYST

4.

『Next』

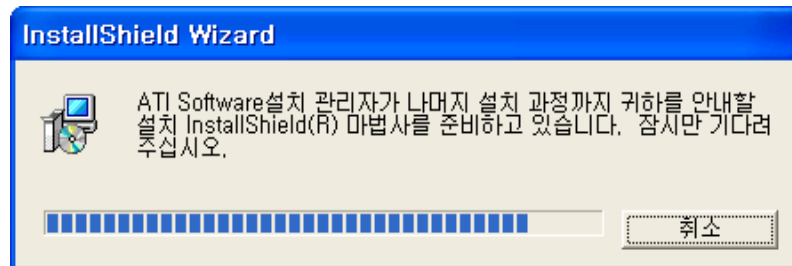


5.

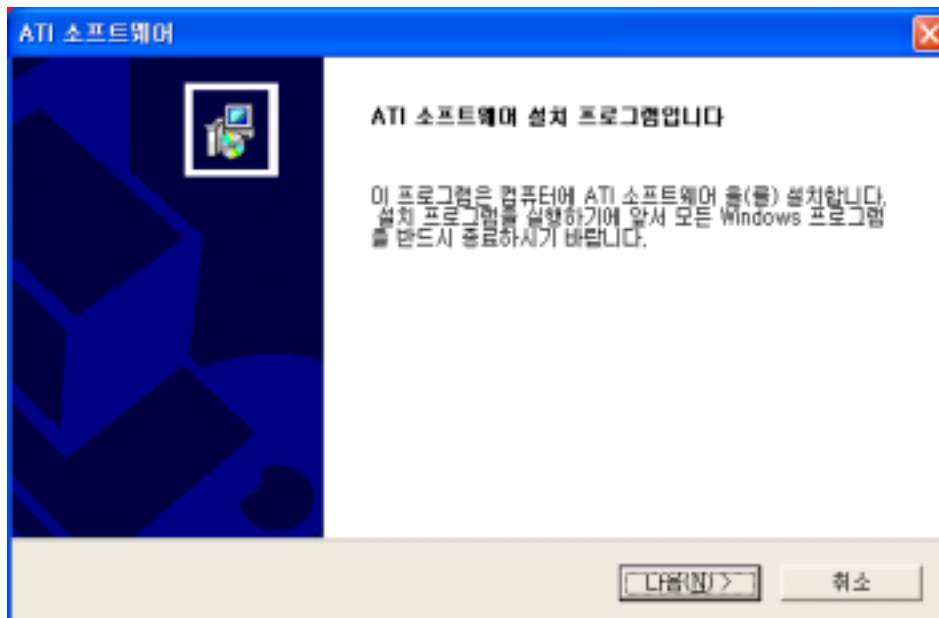


CATALYST -

6. CATALYST



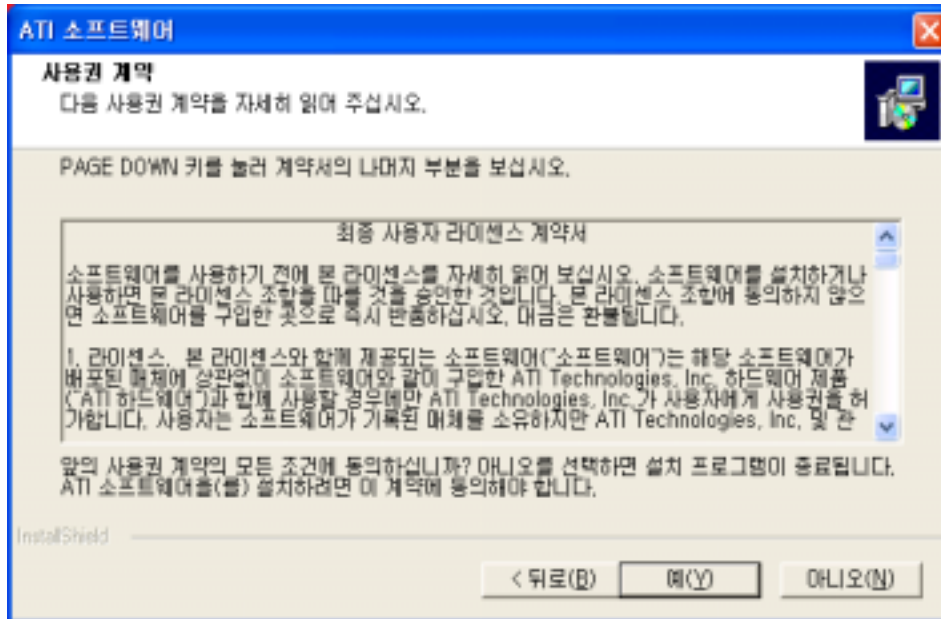
7. 가 가



CATALYST

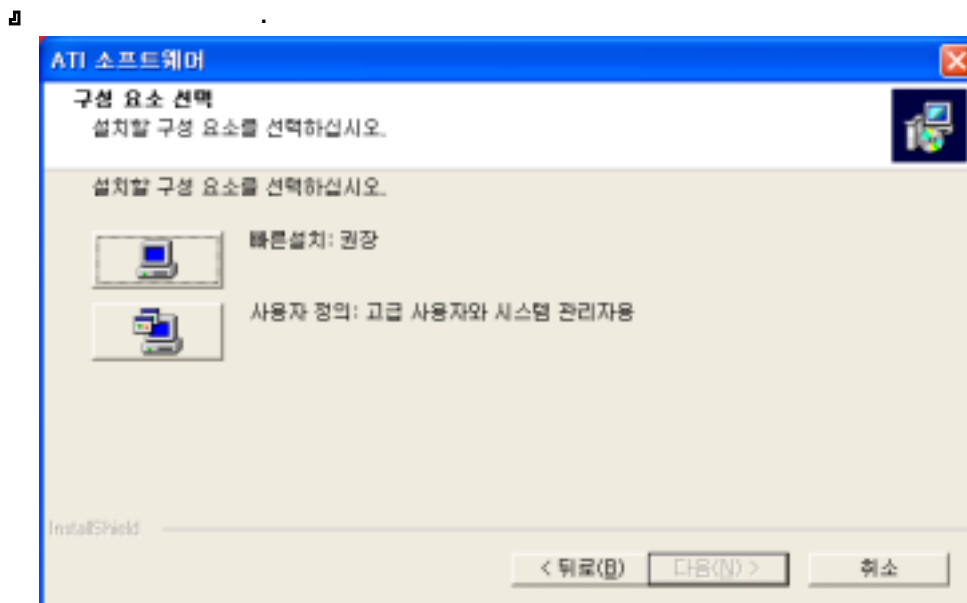
8. ATI

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9.

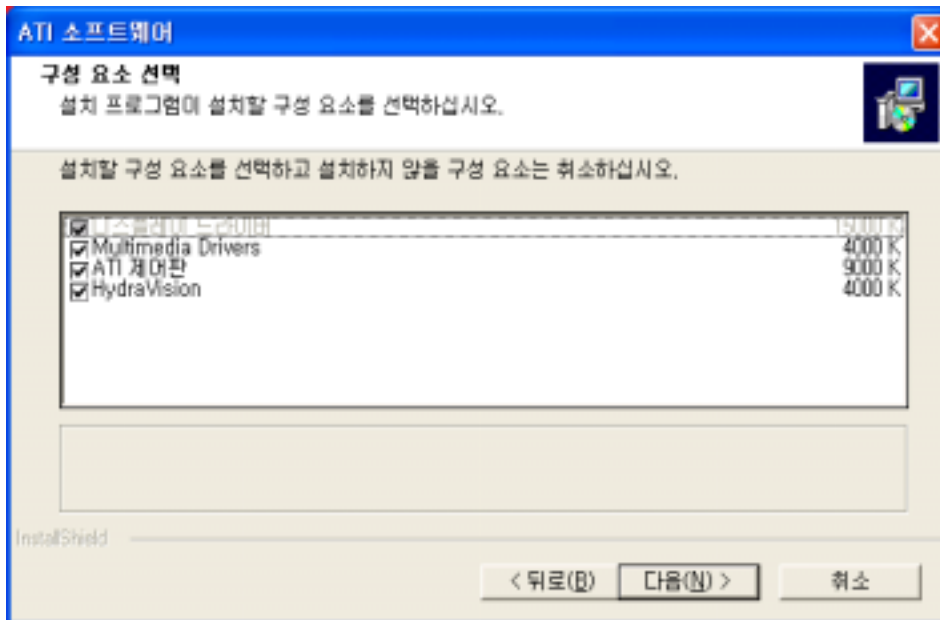
가



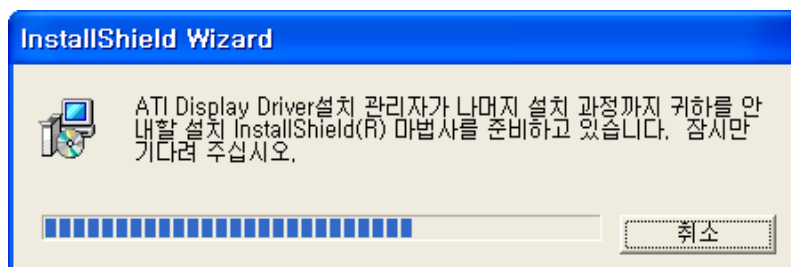
CATALYST -

Note

VIVO 가 .(Multimedia Drivers .)

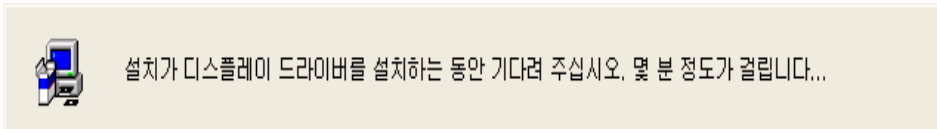


10. < > CATALYST ATI
Display Driver

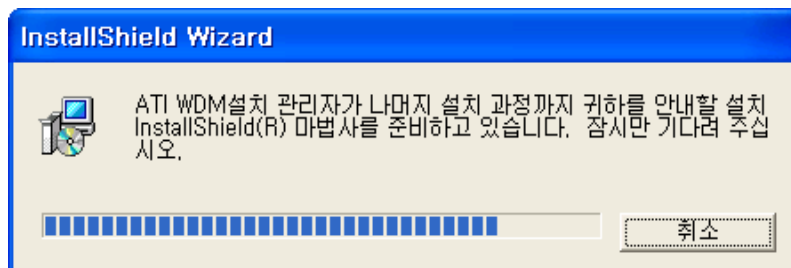


CATALYST -

11. 가 ATI Display Driver .



12. ATI Display Driver 가 , CATALYST
ATI WDM .

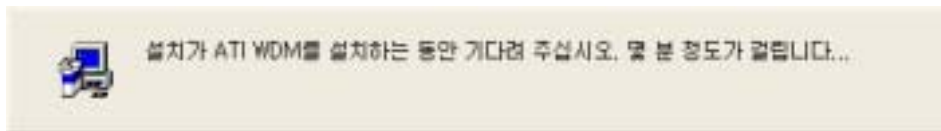


Note

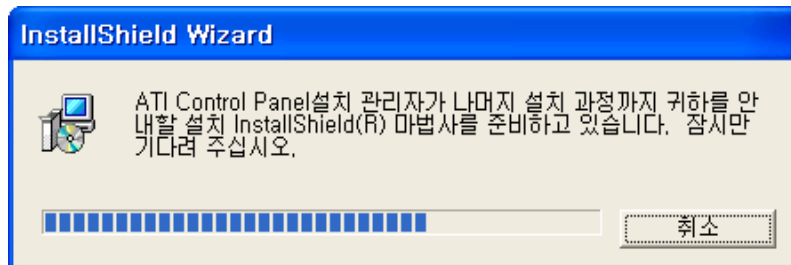
ATI WDM SUMA PLATINUM Graphic Card VIVO
 VIVO
 WDM 가
 VIVO Video-In Video-Out Video-In , VCR
 가 TV 가 ,
 Video-Out TV-Out 가 .

CATALYST -

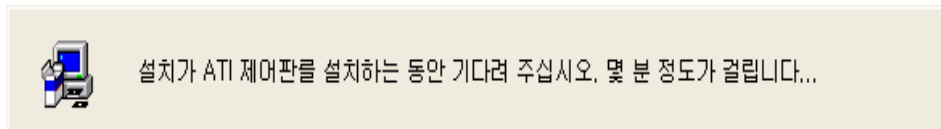
13. 가 ATI WDM .



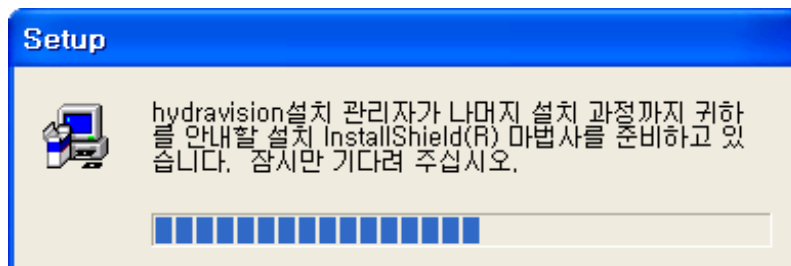
14. ATI WDM 가 , CATALYST
ATI .



15. 가 ATI .

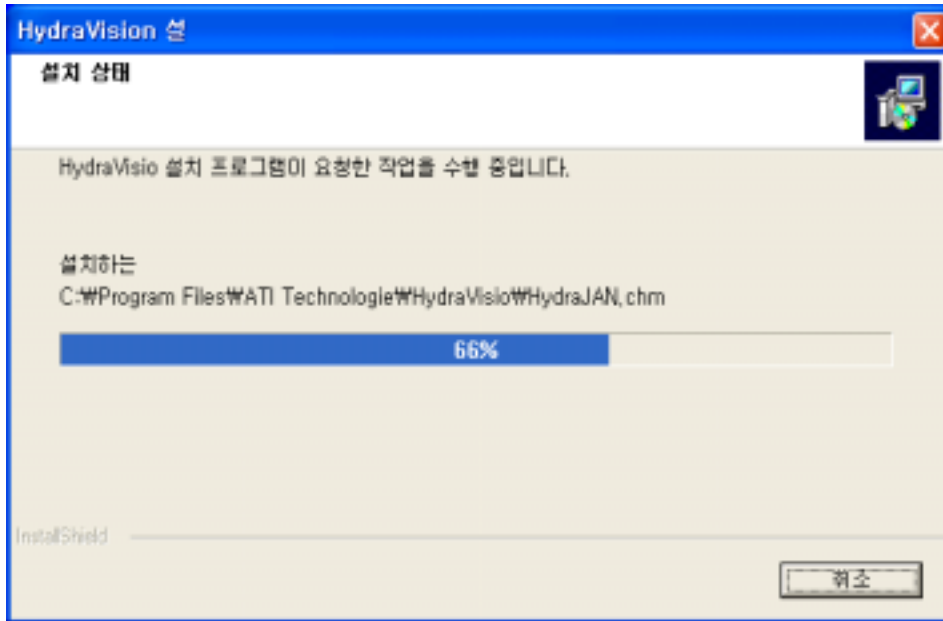


16. ATI 가 , CATALYST
HydraVision .



CATALYST -

17. 가 HydraVision .



Note

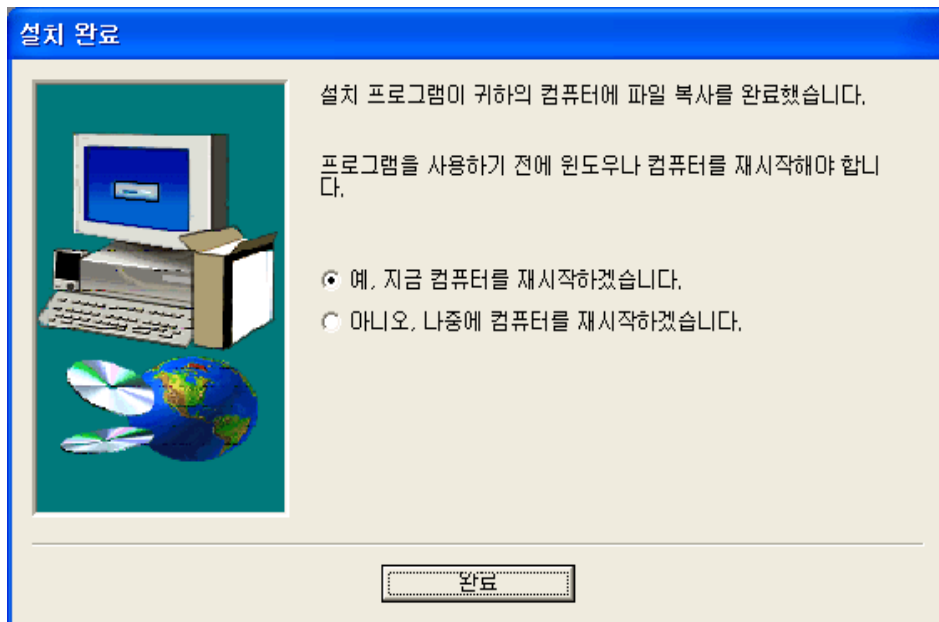
HydraVision ATI CATALYST
,
HydraVision SUMA
PLATINUM CD HydraVision PDF
ATI (<http://www.ati.com>)

CATALYST

-

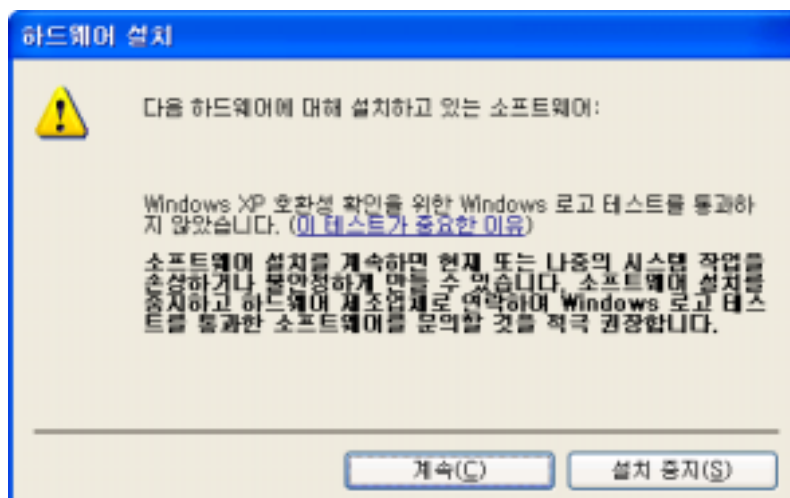
18. CATALYST

『 』



Note

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- DirectX

가 WHQL

. WHQL(Windows Hardware Quality

Labs) Microsoft 가

, Microsoft

가

WHQL

가

가

WHQL

가

Microsoft

WHQL

WHQL

가

가

가

Microsoft
, WHQL

WHQL

-3.

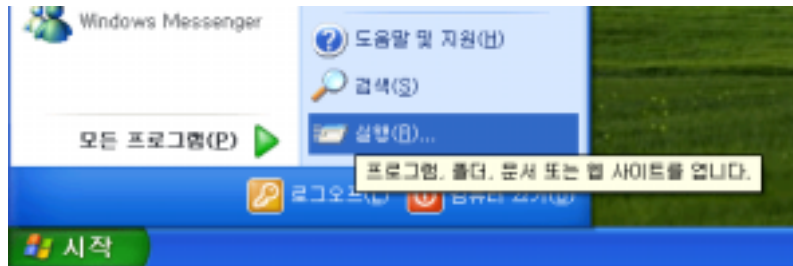
-3-1 DirectX

1.

DirectX 9.0

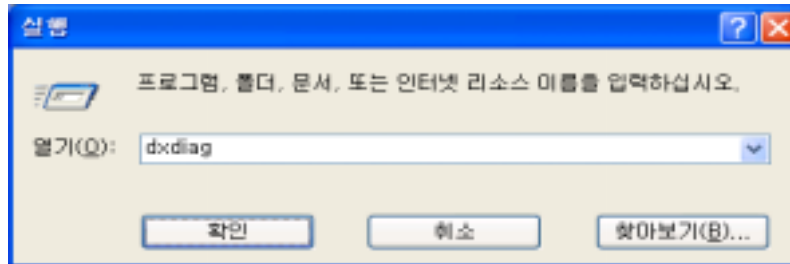
가

< > < >

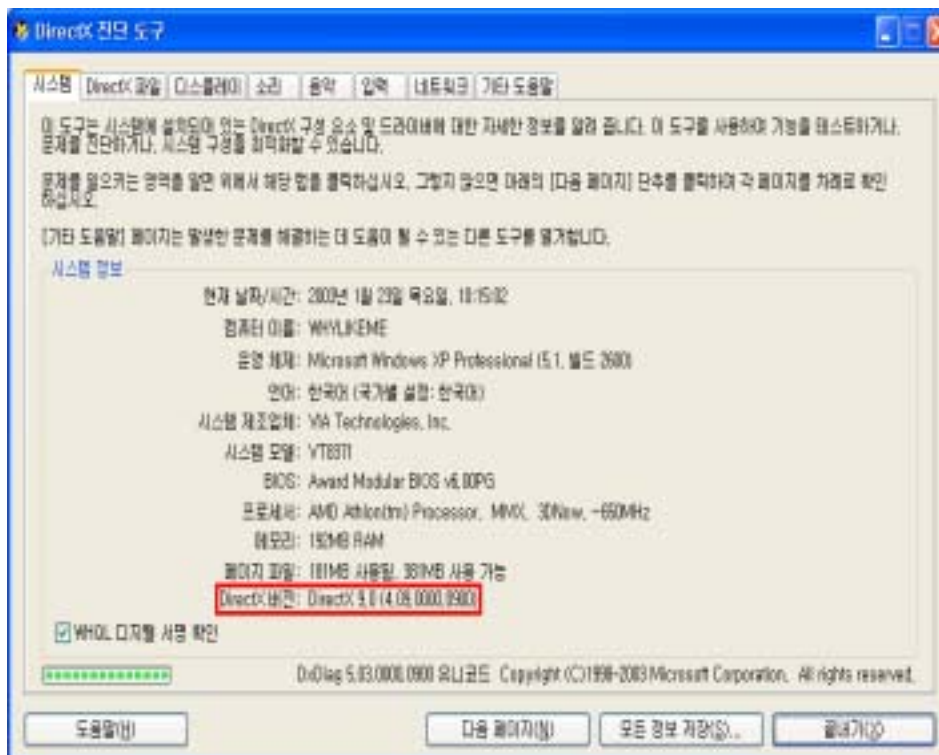


- DirectX

2. < > , "dxdiag"



3. DirectX 가 DirectX

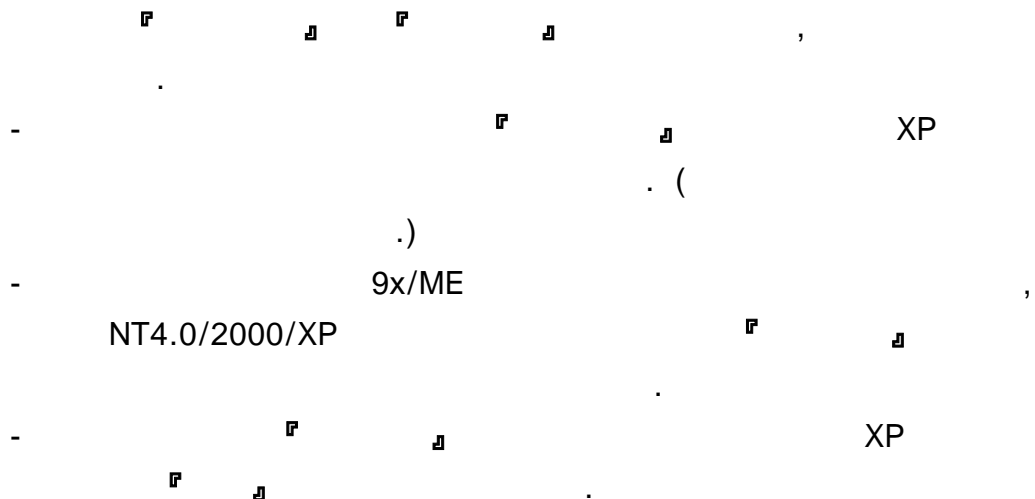


- ATI Display

-3-2. ATI Display

1.

가



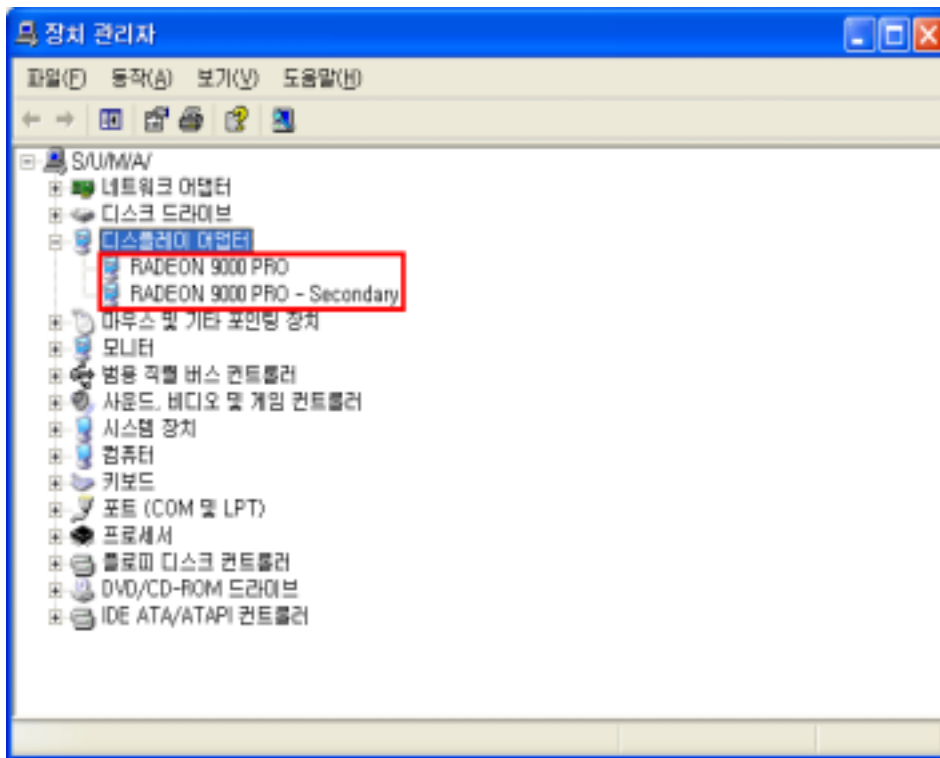
2.

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“ ”

“ + ”

가



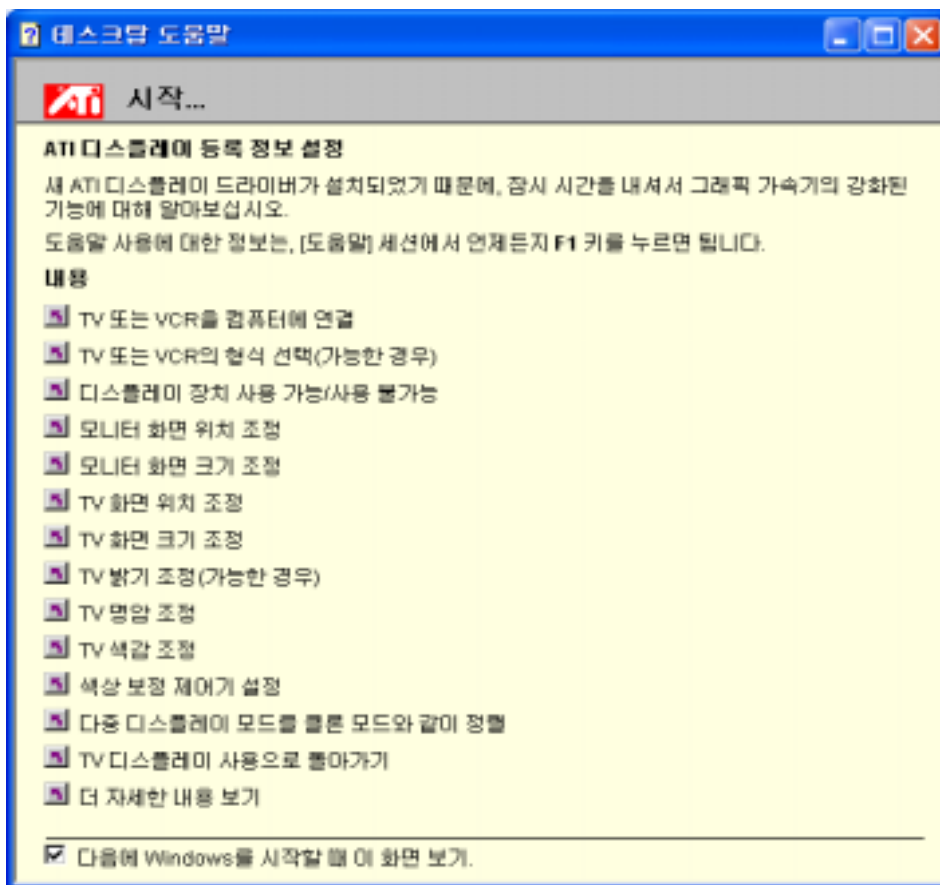
- ATI

Note

-3-3. ATI

1. ATI

가
“ ”
“ Windows ” (☑)



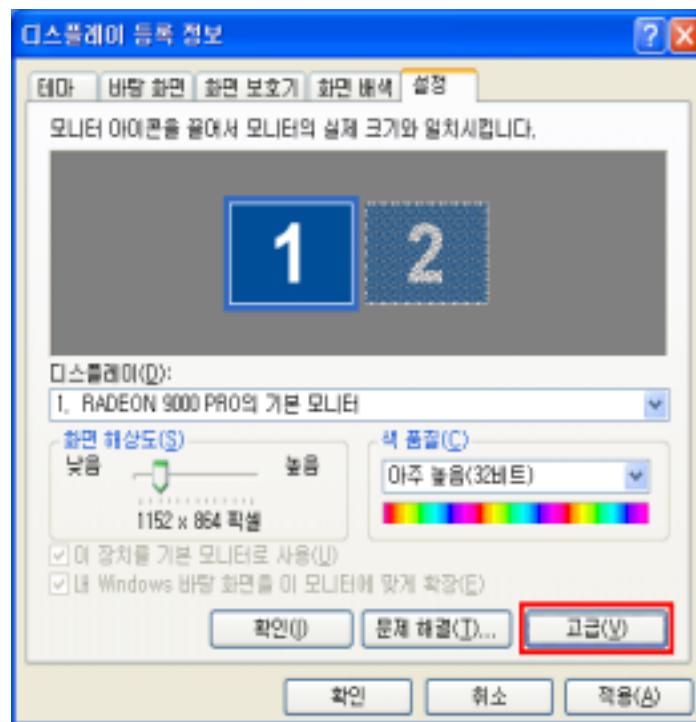
- ATI

2.



ATI

3.

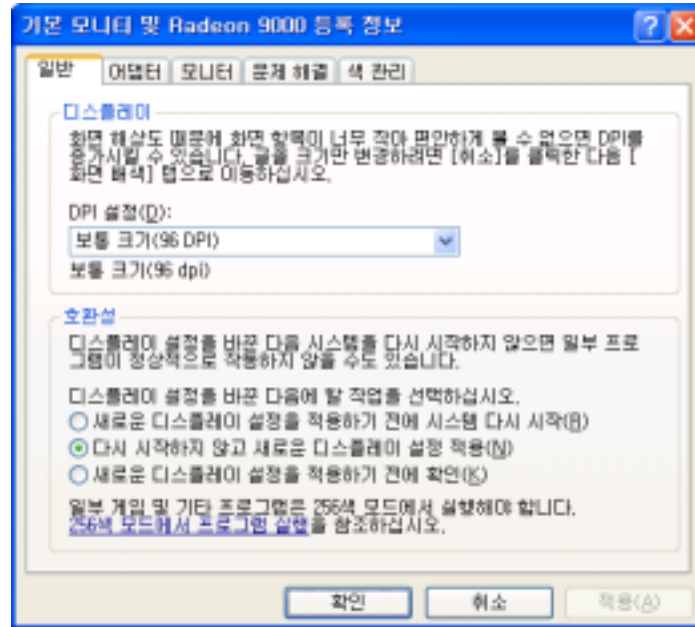


4. ATI

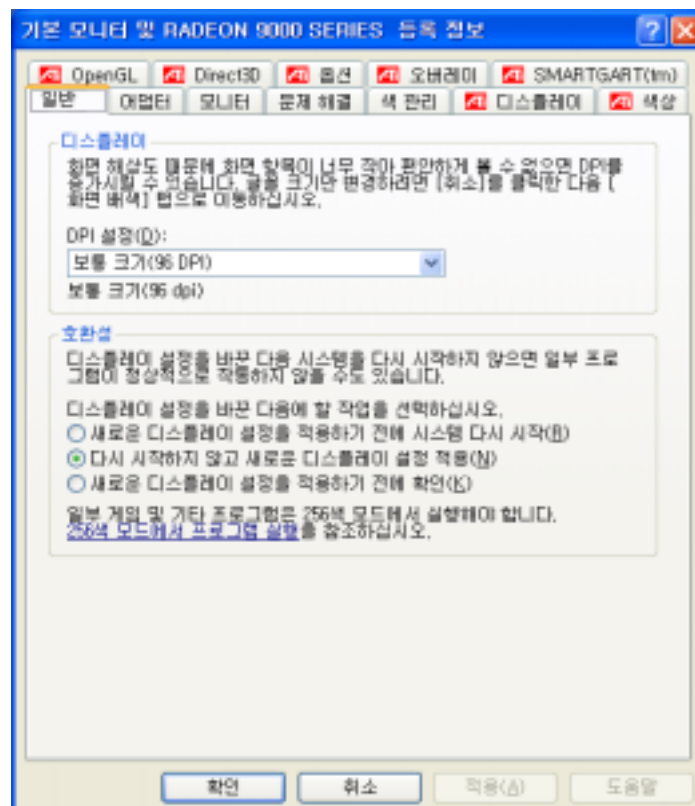
Note

ATI

- ATI



< ATI >

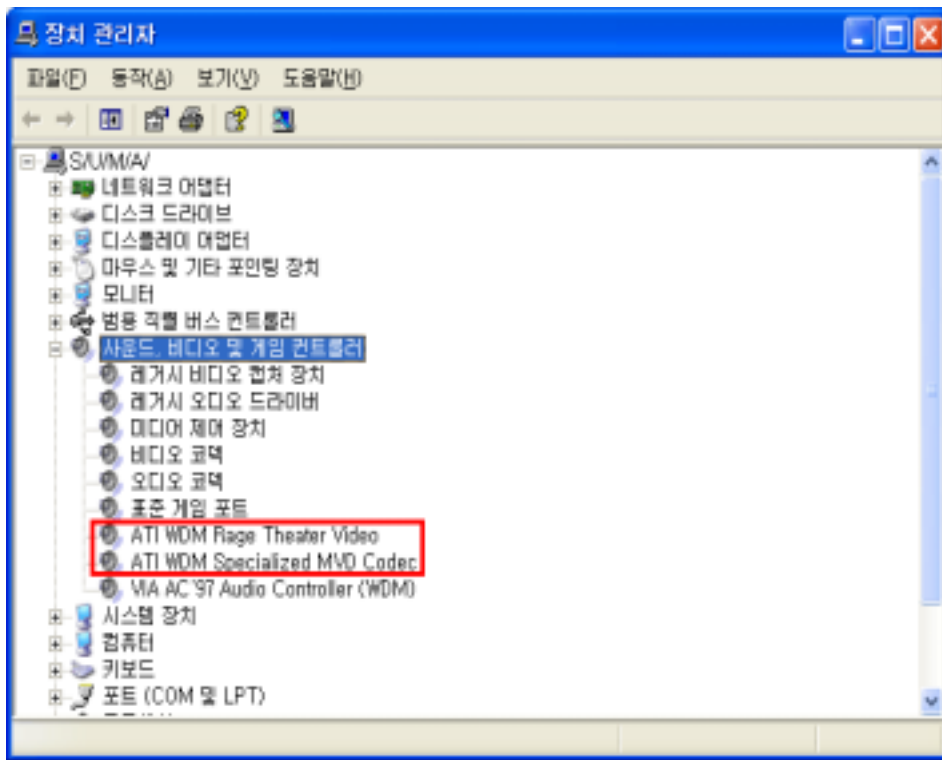


< ATI >

- ATI WDM

-3-4. ATI WDM

1. ATI WDM 가 . ATI WDM 가 .



Note

ATI WDM Driver SUMA PLATINUM Graphic Card VIVO
 VIVO
 WDM 가
 . ATI WDM VIVO

-



.

-1.

SUMA PLATINUM Graphic Card CRT, DVI, TV-OUT

SUMA

PLATINUM Graphic Card

SUMA PLATINUM Graphic Card

-1-1.

- 1 CRT
- 1 DVI
- DVI 1 CRT
- 1 TV-OUT
- CRT + DVI
- CRT + DVI CRT
- CRT + TV-OUT
- DVI + TV-OUT
- CRT + DVI + TV-OUT
- (TV-OUT CRT DVI .)

-1-2.

- DVI CRT + TV-OUT
- CRT + DVI CRT + TV-OUT



Note

2 가 가

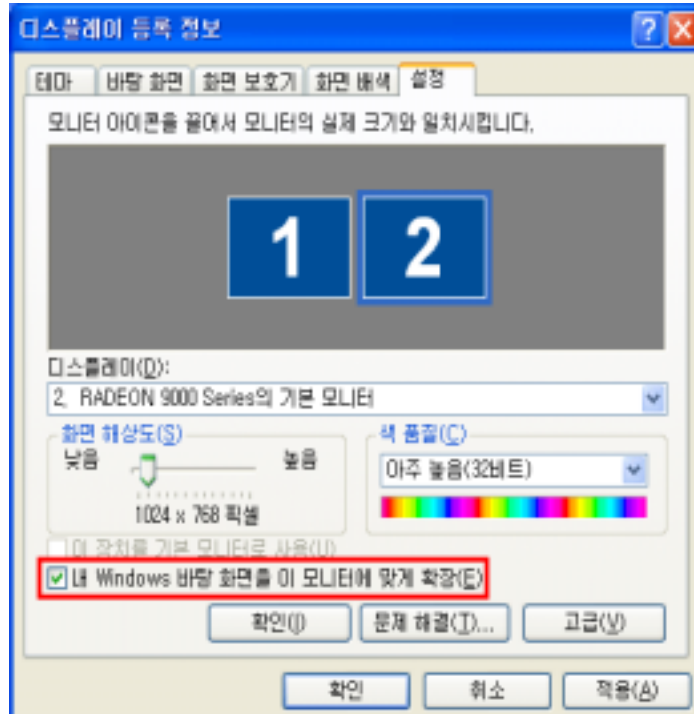
-2.

1. ()

2. 1, 2 2

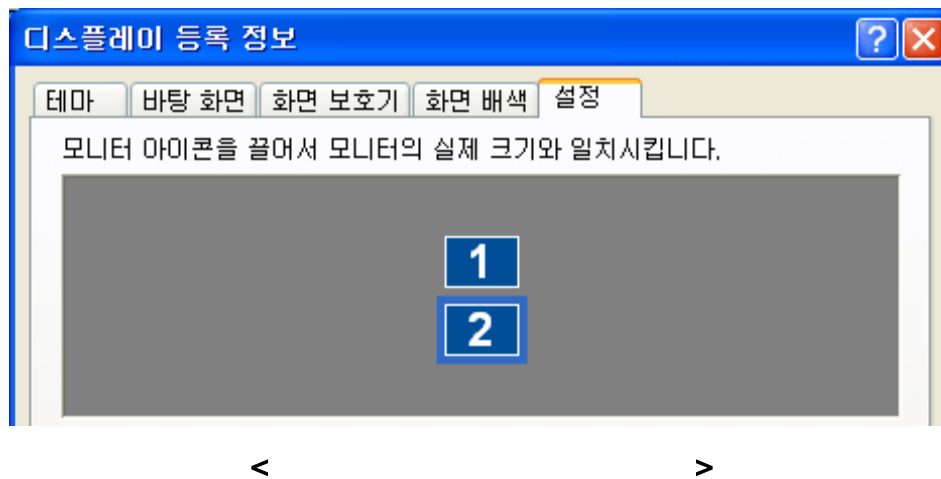
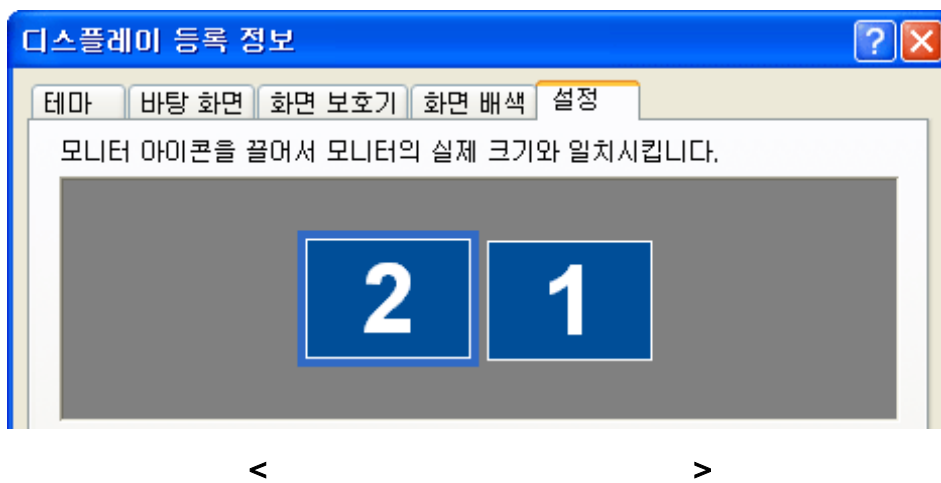
Windows

(☑)



3.

가 ()



4.



Note

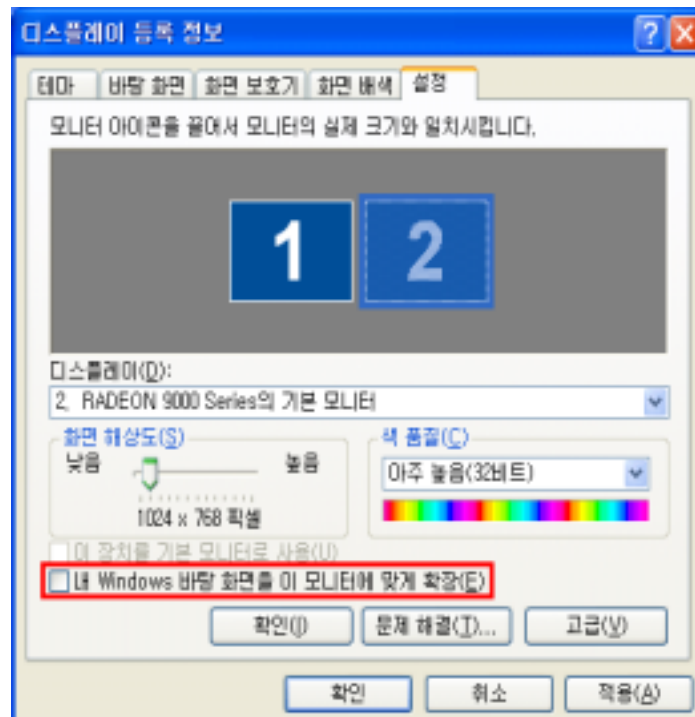
5.



6. 1 (1) 2 (2) , 『 』 , 『 』

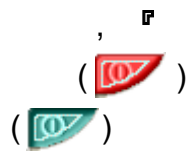
-3.

1. Windows 2 『 』 ([X]) 『 』 , 1 『 』



2.

가



가



3. 가 『 』, 『 』



Note



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4.

CRT
TV, LCD TV

5.

, ATI Catalyst
, HydraVision ATI
HydraVision SUMA
PLATINUM CD HydraVision PDF
ATI (<http://www.ati.com>)

-



-1. (DVI)

(CRT)

(DVI) , LCD

DVI 가 , (DVI) (DVI)
(CRT)

DVI CRT 가
(30)
(OFF .)



- TV-OUT

-2. TV-OUT

TV-OUT , TV-OUT
TV-OUT (30) 가 ,
TV-OUT 가 .
TV TV .
TV TV .
TV .

-2-1. TV

(Composite Video)



Camera 가

TV, VCR, CCD

가

가

S- (S-VIDEO)



S-

DVD

TV

- TV-OUT

Note

TV , .
TV가
가 TV-OUT , S-
TV-OUT 가 TV
TV-OUT .

-2-2. TV-OUT

1.

2.

TV

2-1. TV

S-VIDEO to Composite

S-

TV



- TV-OUT

2-2. TV S-

S-

S-

TV S-



3. TV

4.

. (32)

ATI

가

SUMA PLATINUM CD

PDF ATI

-1.

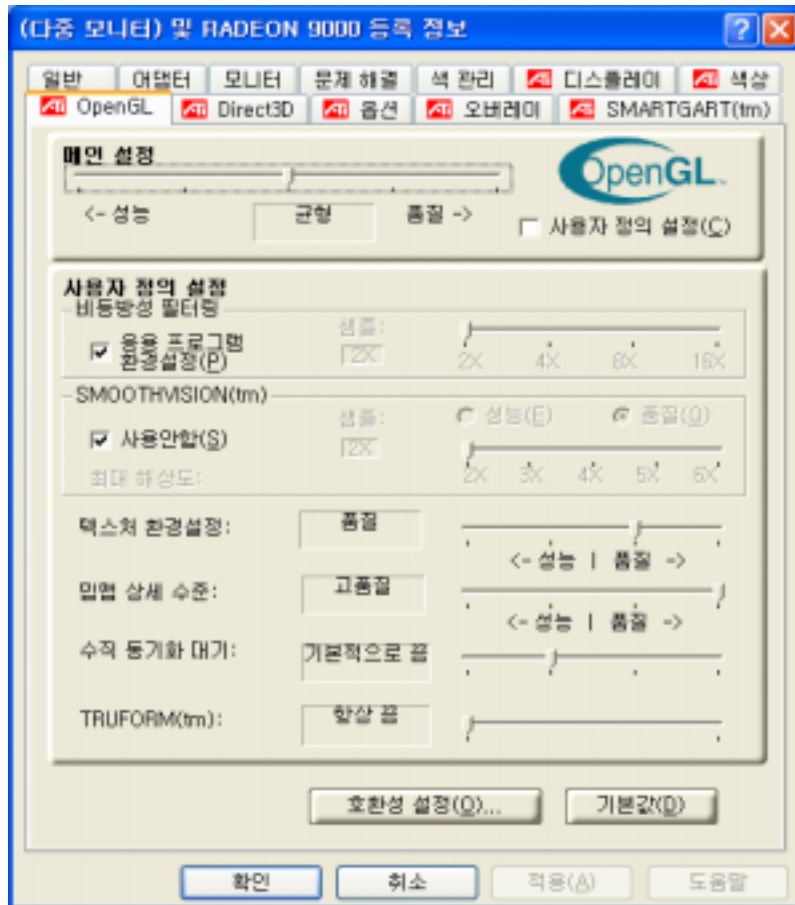


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- OpenGL

-2. OpenGL



OpenGL

(Graphic Library)

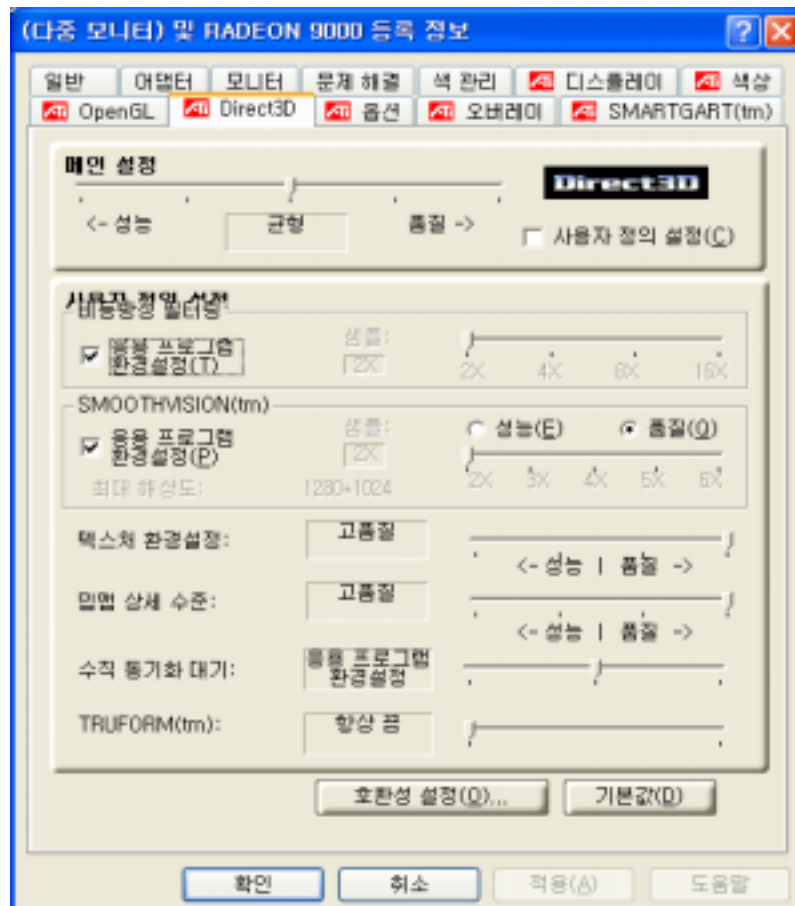
, OpenGL

OpenGL

OpenGL

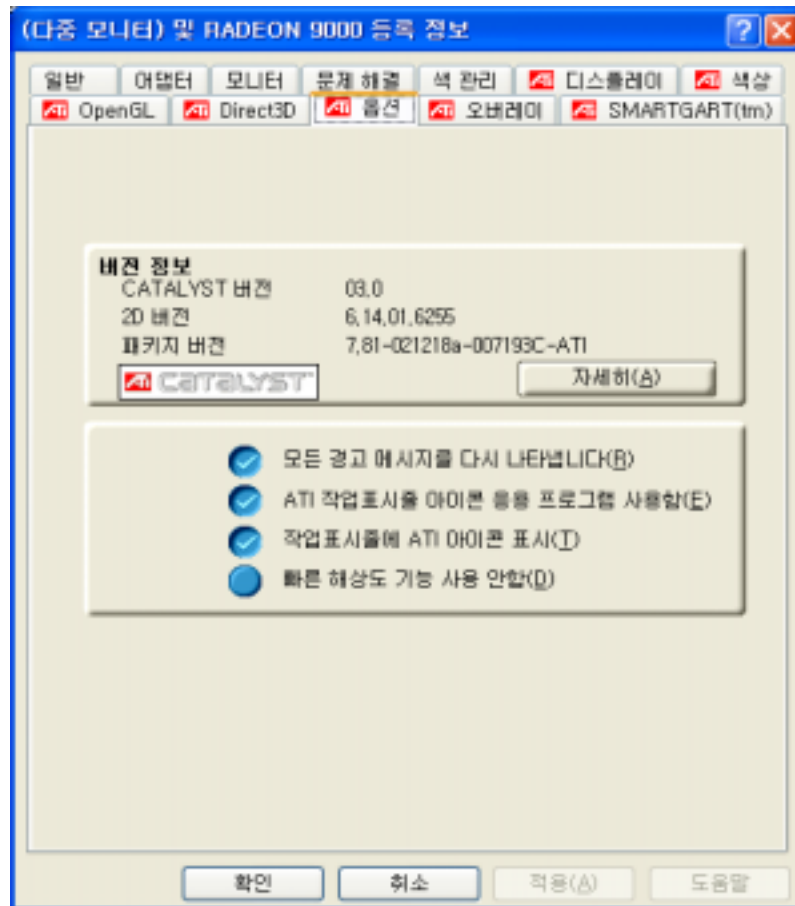
- Direct3D

-3. Direct3D



Direct3D DirectX 3D
(API) ,

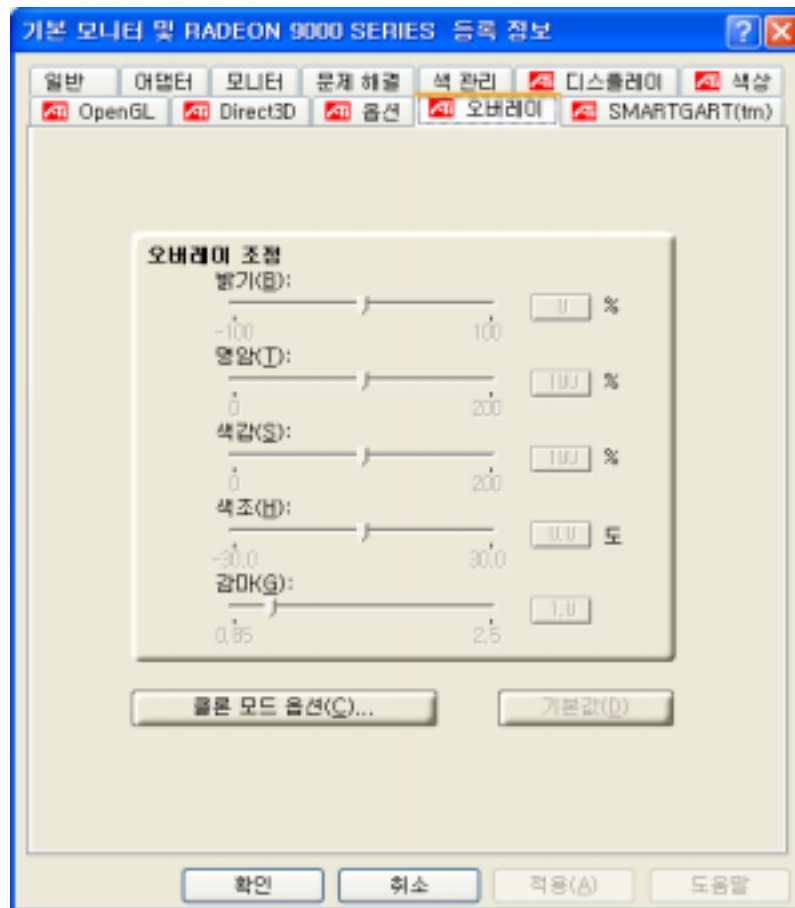
-4.



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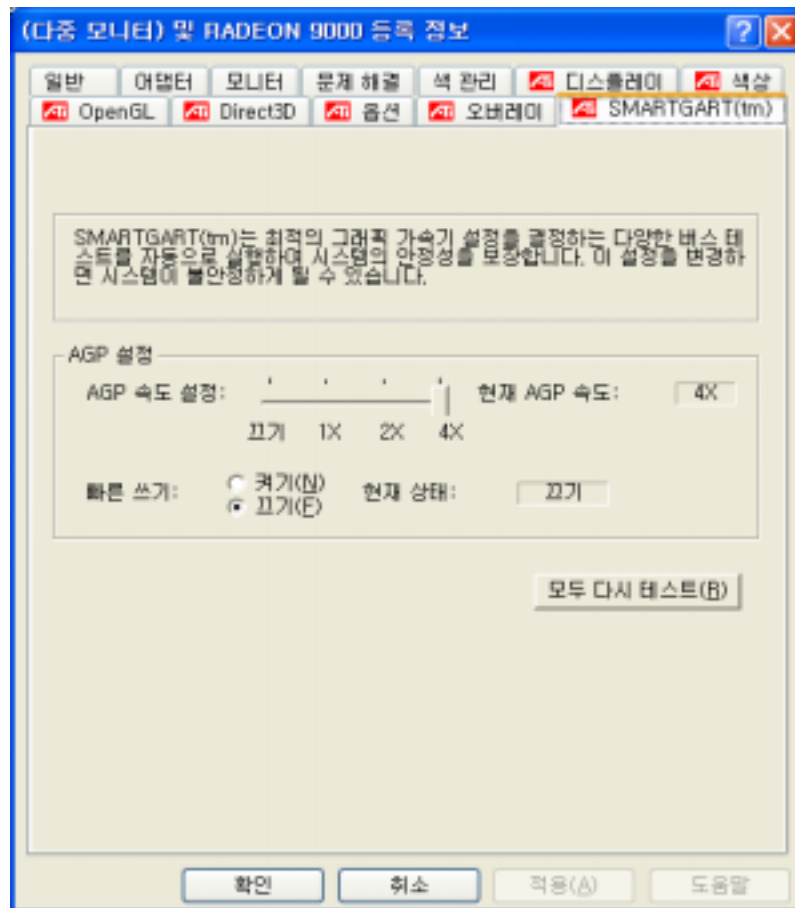
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-5.



- SMARTGART™

-6 SMARTGART



SMARTGART

AGP

가

E-MAIL

VII. E-Mail

1. <?>



2.



Q&A

Q :

A: VGA CARD

가 < >

Q : 3D

A : DirectX

Q : 3D

A : 3D

GPU CPU

Q :

A : VGA CARD

, ~ ~ 가
A/S
)

Q :

A :

85Hz 72Hz ~

Q : XP 3D

A : XP

Q&A

Q :

A :

640×480, 800×600, 1024×768

가

(1024×768)

, 800×600

가

640×480

800×600

256

60Hz

가

Q :

가 800×600

가

A :

Q : VIA

A : VIA

4-IN-1

VIA

(<http://www.via.com.tw>)

Q :

A :

(1) - 가/

(ATI, SUMA)

(2)

(3)

(4) WINDOWS\SYSTEM

ATI

Q&A

(5) WINDOWS\INF

WINDOWS\INF\OTHER

ATI

Note

WindowsNT/2000

WINDOWS

WINNT

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