SHARP®

사용 설명서

모델
XG-NV6XM

LCD프로젝터

Notevision
SLIM & COMPACT LCD PROJECTOR

LCD

10　　　　　"　　"

XG-NV6XM

□⊰▷

.

![icon]

LCD

LCD ... "..."

/
LCD
.

![symbol]

1. ... LCD ... 17. ... LCD
2. ... a. LCD
. b. L C D
3. LCD ... c. LCD
4. ... ... LCD
...)
. d.
5. L C D
... LCD ... LCD

e. ... LCD
6. ... — f. ... LCD
.
7. LCD

18.
.
8. 19. ... LCD
... LCD

a. ... -
9. ... LCD ... (...) b. ... -
... LCD
.
10. L C D
... LCD
.
11.
... LCD .
12. LCD
.
13.
.
14.
.
15.
... LCD
.
16. L C D

.

　

1. 　　　　　　　　　　　　　　　　PC　　　
　　　　PC　
　200Hz　　　　　　　　　　　　　　　　　　　　　11

2. DTV*
DTV　　　　　　　　　　　　　　　　　　　DTV　　　　16：9
　　　　　　　　　　　　13

3. 　　　　　　RGB　　　　　　BNC
DTV　　，DVD　　　　　　　　　　　　　　　　　　　　BNC
　RCA　　　BNC　　　　　　　　　　13

4. 3-D Y/C　　　　COMB

5.
130%
　　　102cm　　762cm　40-300inch
　　　　　19
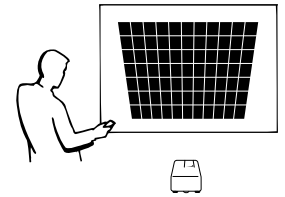
6.
　　　　　　　　　　　　　　　　　　　19

7. 　　　　　　　　　　　　　　　　　　　GUI
　23
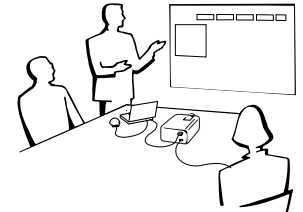
8.
　　　　　　GUI　　　　2

9. IrCOM
IrCOM　　　　　　　　　　　PC
　　　　　25

10.
　　　　　　　　　　　　　29
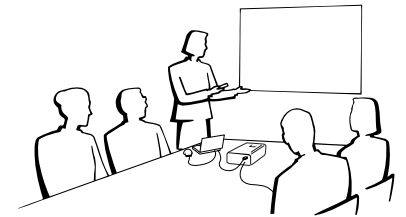
11.
　36

12. 　　　　　　　　　　　　　XGA
　　　XGA（1,024× 768）

13. UXGA
UXGA（1,600× 1,200）　　　　　　　　　　　　　1,024× 768

14.
　　　　　　　　　41

15.
"　"，"　　　"　　"　　"　　　43

*DTV

LASER RADIATION DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT	RADIACION LASER NO MIRE AL RAYO PRODUCTO LASER CLASE 2
RAYONNEMENT LASER NE PAS REGARDER DANS LE FAISCEAU APPAREIL À LASER DE CLASSE 2	
ClassⅡ	LASERSTRAHLUNG NICHT IN DEN STRAHL DER LASERVORRICHTUNG DER KLASSE II BLICKEN
LAR LASERSTR LEN TITTA INTE IN I LASERSTR KLASS 2 LASER PRODUKT.	LASERSÄTEILYÄ ÄLÄKATSO SOURAAN SÄTEESEEN LUOKAN 2 LASERTUOTE
LASEROVÉ ZÁŘENÍ NEHLEDˇTE DO PAPRSKU LASEROVÝ VÝROBEK TŘIDY 2	LASEROVÉ ŹIARENIE NEPOZERAJTE SA DO LÚČA LASEROVÝ VÝROBOK TRIEDY 2

Class Ⅱ

-
- +5℃ 40℃
- , ,

+40˚C
+5˚C

, ,

LCD
LCD

-
- 10cm
-
10
ON

" " " "

 온도 모니터

90
47 "
"

주
-
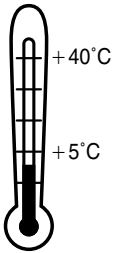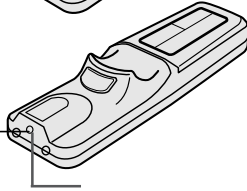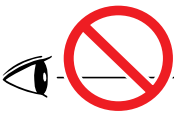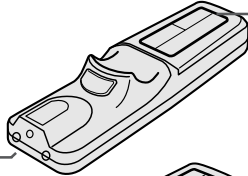
PDF   CD-ROM
PC   Adobe Acrobat Reader   Adobe Acrobat Reader
          CD-ROM   (http://www.adobe.com)

CD-ROM   Acrobat Reader

Windows
① CD-ROM   CD-ROM
② "   "
③ " CD-ROM"
④ " manuals"
⑤ " acrobat"
⑥ " windows"
⑦
              .

Macintosh   :
① CD-ROM   CD-ROM
② " CD-ROM"
③ " manuals"
④ " acrobat"
⑤ " mac"
⑥
             .

     OS
      (http://www.adobe.com)   Acrobat Reader

CD-ROM   Acrobat Reader
      .

PDF

Windows
① CD-ROM   CD-ROM
② "   "
③ " CD-ROM"
④ " manuals"
⑤ " xg-nv6xm"
⑥
⑦   pdf
   " nv6"

               pdf   " saps"

⑧ pdf

Macintosh
① CD-ROM   CD-ROM
② " CD-ROM"
③ " manuals"
④ " xg-nv6xm"
⑤
⑥   pdf
                            pdf   " saps"

⑦ pdf
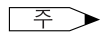
• pdf   Acrobat Reader   " File" " Open"
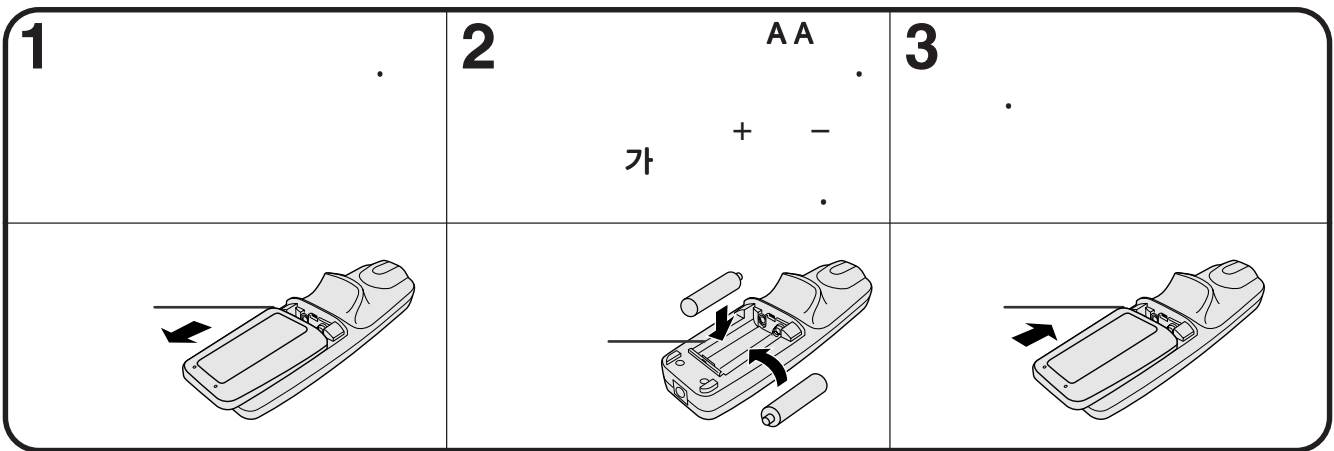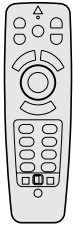
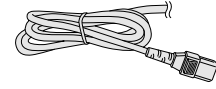• CD-ROM   CD-ROM   "readme.txt"   .

（MUTE） **17**

47

POWER ⏻ LAMP ☼ TEMP. 🗍

16

47

ON ❘ MUTE ⬥ ＋ ⊿ VOLUME

（ON/OFF） **17**

17 （＋／－）

OFF ⏻

LENS MENU ●

（LENS） **19**

23 （MENU）

INPUT 🔲 IrCOM 📲

（INPUT） **17**

25 IrCOM

FREEZE AUTO SYNC 📷

（FREEZE） **33**

29 （AUTO SYNC）

ENLARGE RESIZE 📷

（ENLARGE） **34**

36 （RESIZE）

UNDO ↩ ENTER GAMMA ◐

（UNDO） **19**

35 （GAMMA）

23 （ENTER）

（▲／▼／◀／▶） **23**

23

5 （　　　　　）

25 IrCOM

46
（　　　
　　　）

19

21

21

46 （　　　　　）

48

49

1
（AUDIO 1） **11**
（3.5mm　　　　）
1　（INPUT 1）
（HD 15）

2　（INPUT 2）
11 （HD 15）
2
（AUDIO 2）
11 （3.5mm　　　　）
1　（INPUT 1）
12 BNC（R（Pʀ），G／G sync（Y），
B（Pʙ），HD（C sync），VD）

COMPUTER-RGB／COMPONENT INPUTS
INPUT 1 AUDIO 1 INPUT 2 AUDIO 2

15　BNC **11**
15pin BNC R（Pʀ） G／G sync（Y） B（Pʙ） HD（C sync） VD

INPUT 1

（VIDEO INPUT）RCA **13**

AUDIO INPUT VIDEO INPUT OUTPUT AUDIO OUTPUT
L R

（OUTPUT）（HD 15）

（AUDIO INPUT）RCA **13**

14 （AUDIO OUTPUT）
（3.5mm　　　　）

RS-232C **14**
（9-　　　DIN）

RS-232C WIRED REMOTE S-VIDEO INPUT

11 AC

（WIRED REMOTE） **22**

S-
（S-VIDEO INPUT）
13
4　　　DIN

(MUTE) **17**

(ON/OFF) **17**

(LENS/BLACK SCREEN) **19** **37**

(R-CLICK/ENTER) **22** **23**

(INPUT) **17**

(FREEZE) **33**

(ENLARGE) **34**

(TOOLS) **43**

(MOUSE/ADJ.) **21**

17 (+／−)

5

22 (LASER／MENU)

22 **23** (▲／▼／◄／►)

25 IrCOM

29 (AUTO SYNC)

36 (RESIZE)

35 (GAMMA)

22 (LIGHT)

19 **22** (L-CLICK／UNDO)

22

ON
MUTE
⊿VOL
OFF
BLACK SCREEN   LASER
LENS   B   MENU
R-CLICK   ENTER
INPUT   IrCOM
FREEZE   AUTO SYNC
ENLARGE   RESIZE
TOOLS   GAMMA
MOUSE   ADJ.
LIGHT

L-CLICK   UNDO

SHARP
LCD PROJECTOR

1

2 A A
+ −

3

RRMCG1535CESA

AA　　　　2

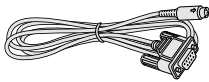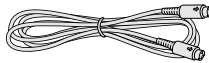QCNW-5304CEZZ
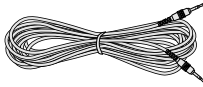
QCNW-4870CEZZ

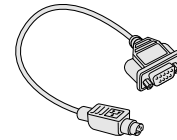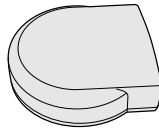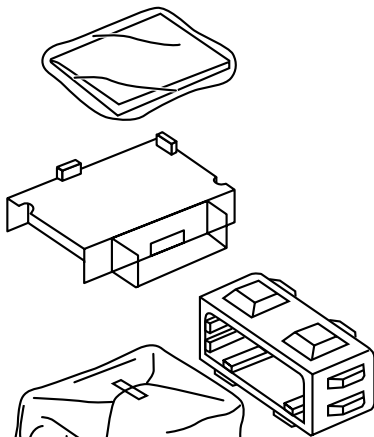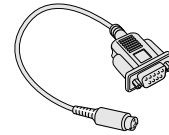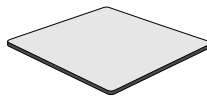BNC-RCA　　　3
QPLGJ0107GEZZ

QCNW-5112CEZZ

IBM PS/2
QCNW-5113CEZZ

Mac
QCNW-5114CEZZ

RUNTK0661CEZZ

DIN-D-sub RS-232C
QCNW-5288CEZZ

PFILD0080CEZZ

PCAPH1056CESA

CD-ROM

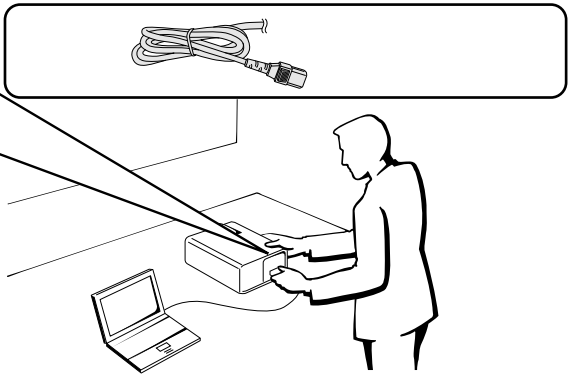LCD

LCD

IrDA

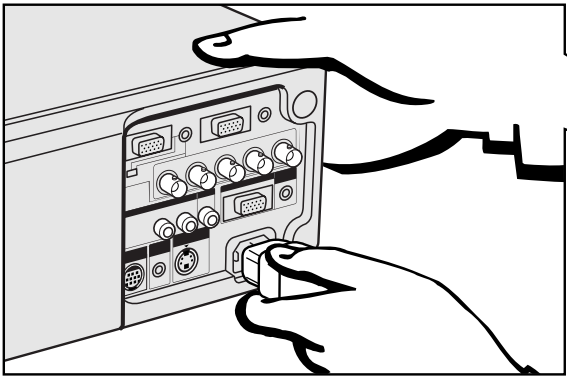AC

QCNW-5304CEZZ

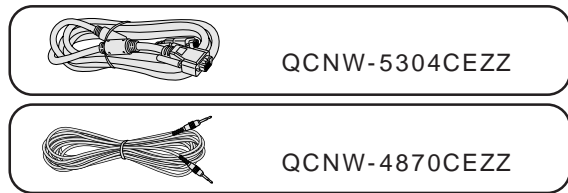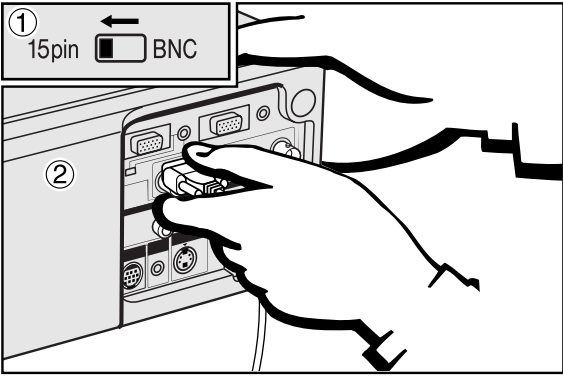QCNW-4870CEZZ

IBM-PC Macintosh 15

① 15pin ← BNC
②

① 15
15 BNC 15
② COMPUTER-RGB INPUT 1 2
③
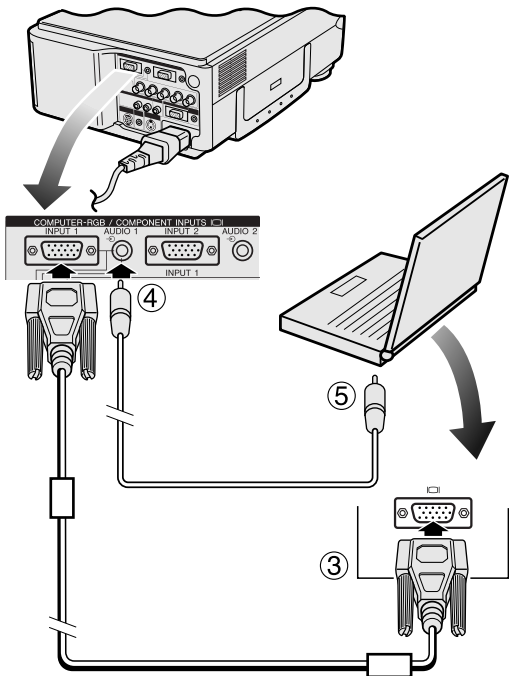
④

AUDIO INPUT 1 2

⑤

⚠ 주의
• OFF
ON

주
•
• 54 55
" "
•

	GUI " "
" RGB"	40

주
• Macintosh Macintosh
LCD

- 　　　　　　　　　　　　5 BNC
- R (PR) G/G sync (Y) B (PB) HD (C sync) VD
　　　　　　　　RGB 　( )　5 BNC 　( )

BNC　　　　　　　　RGB

QCNW-4870CEZZ
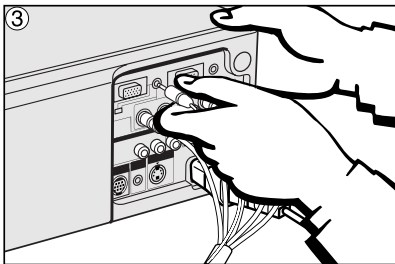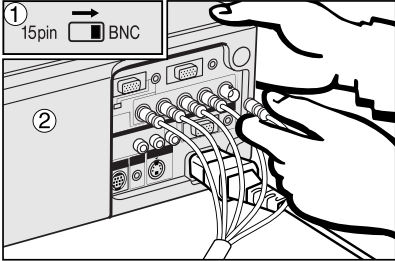
① 5 BNC 　　　　　　　　　　　　15 　BNC
　　BNC
　　　　BNC 　　　　　　　　　BNC INPUT 1

② 5 BNC 　　　　　　　　　RGB 　　BNC

③

　　　　　　　　AUDIO INPUT 1 　2
④

주
- RCA 　　　　　　　　3.5mm

IBM-PC **(VGA/SVGA/XGA/SXGA/UXGA)** 　Macintosh

GUI 　"　　 " "
RGB"

주
-
- AUDIO INPUT 1 　2 　INPUT 1 　2

COMPUTER-RGB / COMPONENT INPUTS
INPUT 1 AUDIO 1 INPUT 2 AUDIO 2
INPUT 1
15pin BNC R(PR) G/G sync(Y) B(PB) HD(C sync) VD
AUDIO OUTPUT

④

R (PR) G/G sync (Y) B (PB)
HD (C sync) VD

RS-232C WIRED REMOTE S-VIDEO INPUT

5 BNC

RGB

RGB

QCNW-5304CEZZ

"　　 & 　 " 　　15
- 　　　　VESA 　DDC 1 DDC 2B 　　　　　　　　　　　　VESA DDC
- " 　 & 　 " 　　　　　　　, 　　　　　　ON
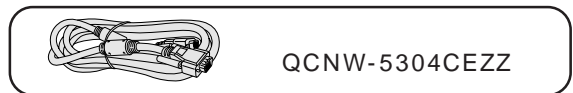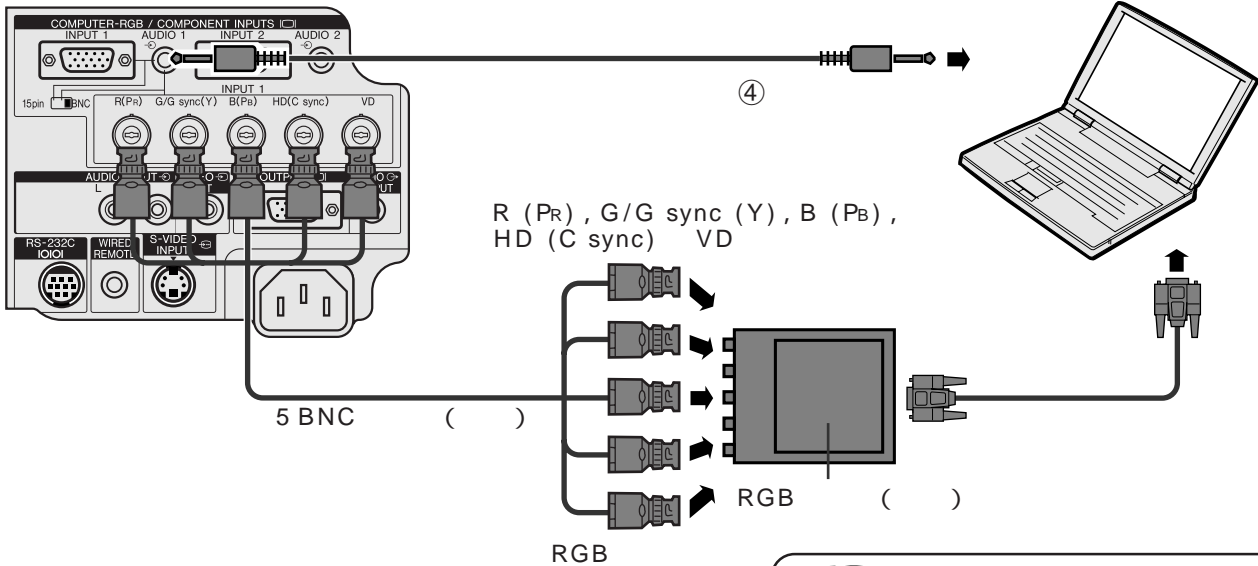
주
- 　DDC 　 & 　　　　　　VESA DDC

VCR DVD DTV*

⚠ 주의

- OFF

VCR

① RCA VIDEO INPUT

② RCA AUDIO INPUT

S-VIDEO INPUT

주
- S-VIDEO INPUT
  S-video
- S-video

COMPUTER-RGB / COMPONENT INPUTS
INPUT 1   AUDIO 1   INPUT 2   AUDIO 2
15pin   BNC   R(PR) G/G sync(Y) B(PB) HD(C sync)   VD
INPUT 1
AUDIO
L
INPUT   OUTPUT   AUDIO OUTPUT
RS-232C   WIRED REMOTE   S-VIDEO INPUT

S-video   S-video

VCR
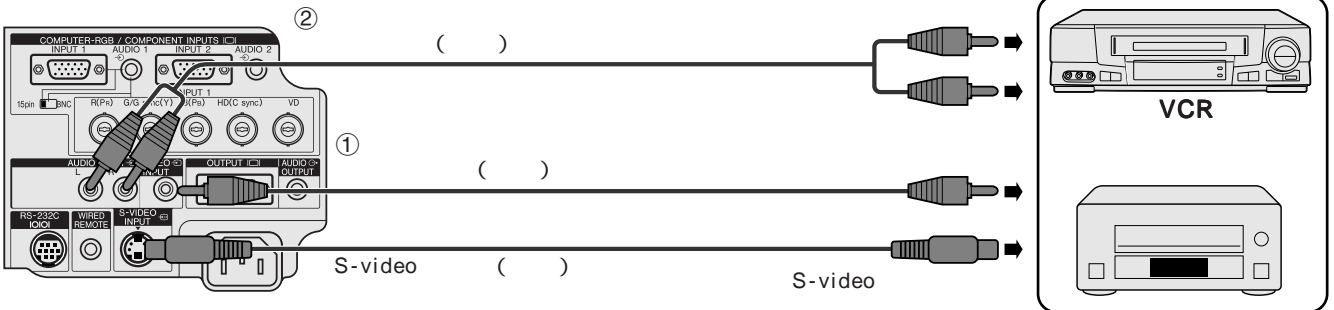
5 BNC   DVD   DTV
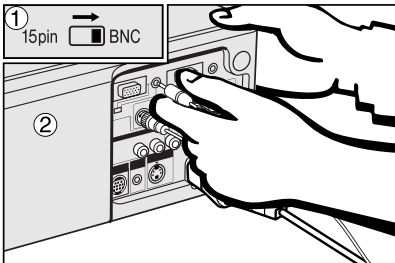
① 5 BNC   15   BNC   BNC
BNC   BNC INPUT 1

주
- BNC-RCA   RCA

② DVD   DTV

③ AUDIO INPUT 1   2

주
- RCA   3.5mm

| DVD   DTV   GUI |
| "   "   "   "   40 |

COMPUTER-RGB / COMPONENT INPUTS
INPUT 1   AUDIO 1   INPUT 2   AUDIO 2
15pin   BNC   R(PR) G/G sync(Y) B(PB) HD(C sync)   VD
INPUT 1
AUDIO   OUTPUT   AUDIO OUTPUT
RS-232C   S-VIDEO INPUT

③   DTV

DVD

BNC-RCA
QPLGJO107GEZZ

*DTV

⚠️ 주의

- OFF

주 ▶

COMPUTER-RGB / COMPONENT INPUTS
INPUT 1　AUDIO 1　INPUT 2　AUDIO 2
INPUT 1
15pin　BNC　R(PR)　G/G sync(Y)　B(PB)　HD(C sync)　VD
AUDIO INPUT　VIDEO INPUT　OUTPUT　AUDIO OUTPUT
L　R
RS-232C　WIRED REMOTE　S-VIDEO INPUT

RS-232C

RS-232C　　　RS-232C

51　　　52

QCNW-5304CEZZ

QCNW-4870CEZZ

DIN-D-sub RS-232C

QCNW-5288CEZZ

① DIN-D-sub RS-232C　　　　　RS-232C
② RS-232C　　　　　　DIN-D-sub RS-232C

3.5mm

② RS-232C

① DIN-D-sub RS-232C

⚠️ 주의

- ON　　　　RS-232C

주 ▶
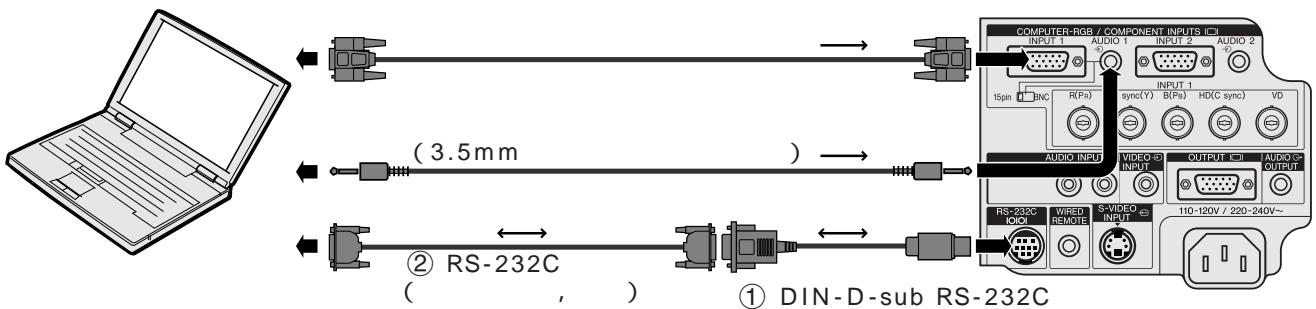
- RS-232C

- →　↔
- Macintosh　　　Macintosh　　　　　　　　　LCD

•
• RS-232C RS-232C

51 52

IBM IBM PC

①
②

IBM PS/2

QCNW-5112CEZZ

RUNTK0661CEZZ

IBM PC/AT **IBM PS/2**

QCNW-5113CEZZ

Mac

QCNW-5114CEZZ

QCNW-5112CEZZ

RUNTK0661CEZZ
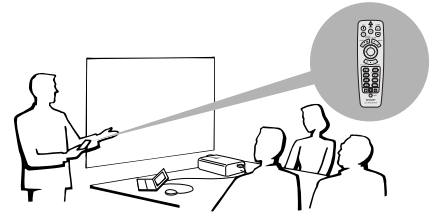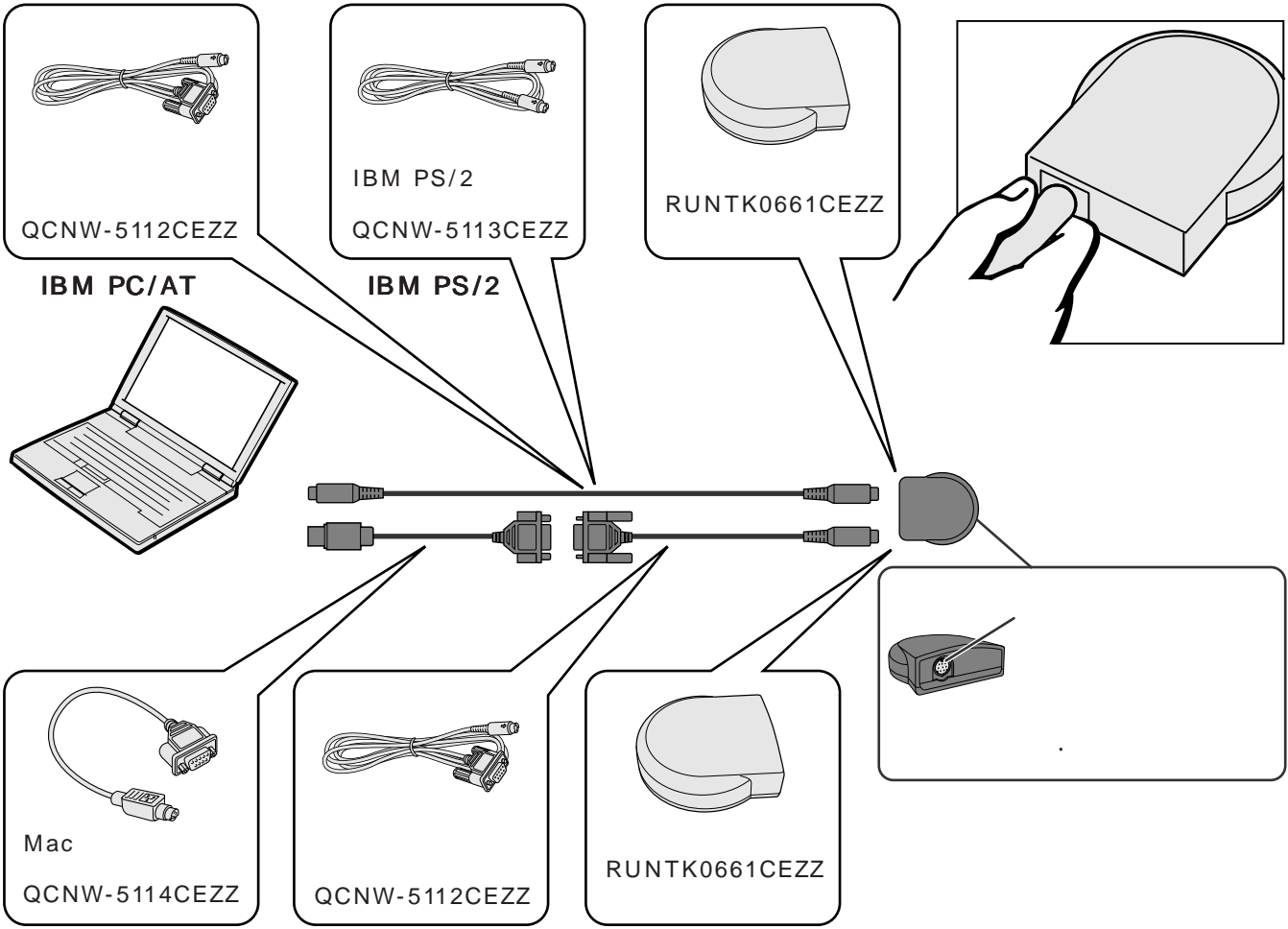
Macintosh

①
② Macintosh Mac ADB Mac
③ Mac
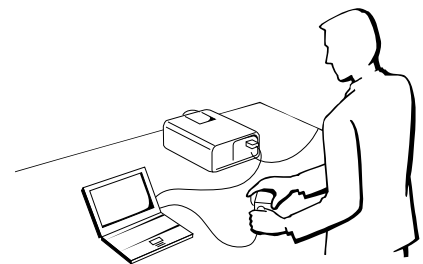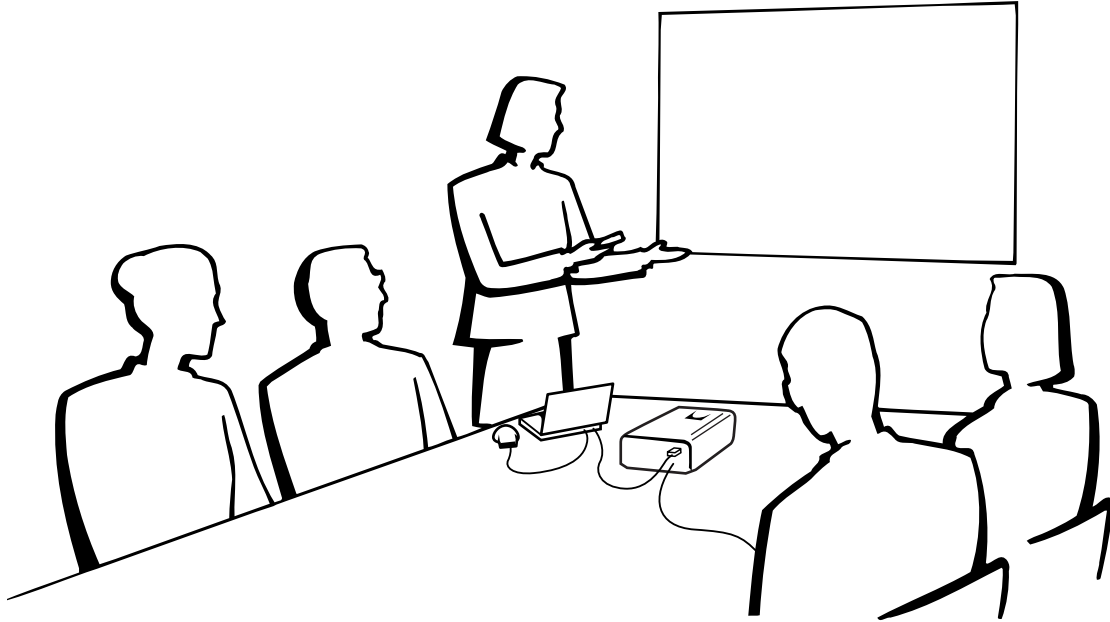
⚠ 주의
• ON

주
• IBM PS/2 RS-232C ADB

1. ON/OFF

①

주 ▶
•
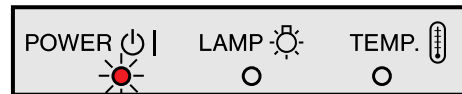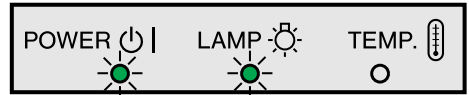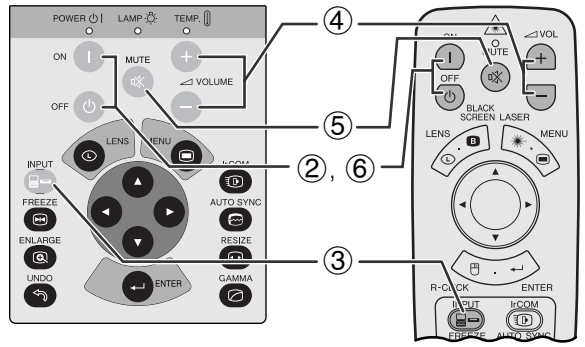
```
POWER ⏻|    LAMP ☀    TEMP. 🌡
  🔴          ○          ○
```

② ON
ON
주 ►
•
•
•

ON

POWER ⏻| LAMP ☼   TEMP. 🌡

③ INPUT   **INPUT**

INPUT

예 ☞

1   2

입력1
·콤포넌트 신호
720P

입력2
·컴퓨터/RGB
1024×768
62Hz

비디오
NTSC3.58

주 ►
•   "   "
       "   "

④ **VOLUME +/−**

🔊 음량
30

⑤ **MUTE**

MUTE

🔊 음량

⑥ **OFF**

OFF

⏻ 전원을 오프 합니까?
예: 한번더눌러주세요   아니오: 기다려주세요

주 ►
•   **OFF**   **OFF**
• **OFF**   90
•
• **ON**   ON
•

주 ►
·
·
·

주 ►
·
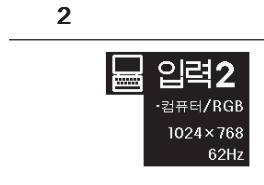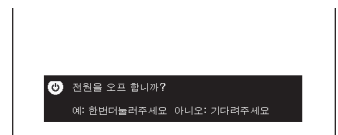
AN-T6EN   AN-W6EZ
LCD
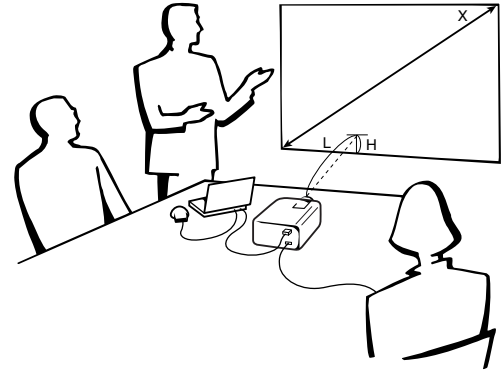
4 : 3

(diag.) (X)	(L)		H
762 cm (300″)	14.3 m	11.0 m	22.9 cm
508 cm (200″)	9.8 m	7.4 m	15.2 cm
381 cm (150″)	7.2 m	5.6 m	11.4 cm
254 cm (100″)	4.9 m	3.7 m	7.6 cm
213 cm (84″)	4.0 m	3.1 m	6.4 cm
183 cm (72″)	3.4 m	2.6 m	5.5 cm
152 cm (60″)	2.9 m	2.2 m	4.6 cm
102 cm (40″)	1.9 m	1.4 m	3.1 cm

16 : 9

(diag.) (X)	(L)		H
762 cm (300″)	15.6 m	12.0 m	−37.4 cm
508 cm (200″)	10.5 m	8.1 m	−24.9 cm
381 cm (150″)	7.9 m	6.1 m	−18.7 cm
338 cm (133″)	7.0 m	5.4 m	−16.6 cm
269 cm (106″)	5.6 m	4.3 m	−13.2 cm
254 cm (100″)	5.2 m	4.0 m	−12.5 cm
234 cm (92″)	4.8 m	3.7 m	−11.5 cm
213 cm (84″)	4.3 m	3.3 m	−10.5 cm
183 cm (72″)	3.7 m	2.8 m	−9.0 cm
152 cm (60″)	3.1 m	2.4 m	−7.5 cm
102 cm (40″)	2.0 m	1.5 m	−5.0 cm

주 ►
· −
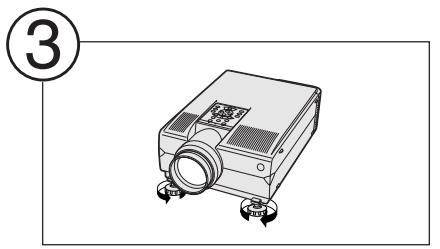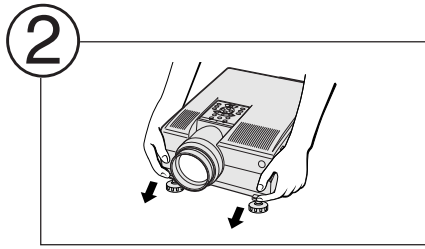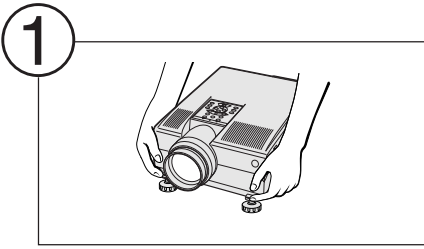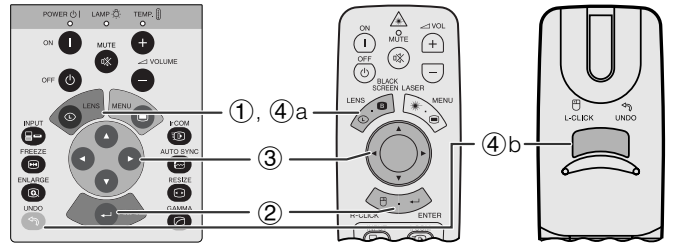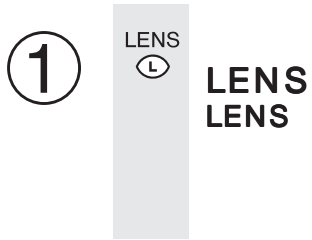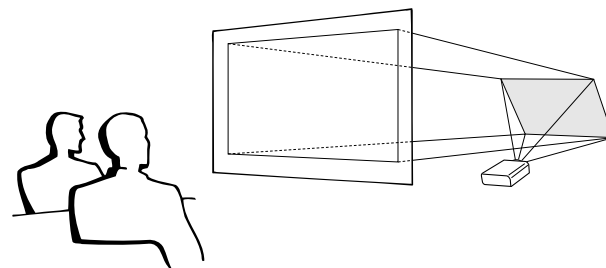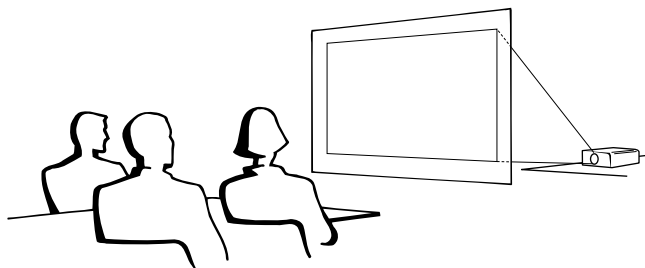
① ② ③

주
- 5
- ( )

⚠ 주의
-
-
-

① LENS
LENS
LENS

POWER ⏻ | LAMP ☼ TEMP. |

ON ❙ MUTE ＋
🔇 ⏤ VOLUME
OFF ⏻

INPUT
FREEZE
ENLARGE
UNDO

LENS MENU I-COM
AUTO SYNC
RESIZE
GAMMA
ENTER

①, ④a
③
④b
②

ON ❙ MUTE ⏤ VOL ＋
🔇
OFF ⏻
BLACK SCREEN LASER
LENS MENU
R-CLICK ENTER

L-CLICK UNDO

초점 | 줌 | 키스톤 조정 0
다음 | 조정 | 종료 | 조정
패턴 테스트 | 패턴 테스트 | 패턴 테스트 | 초기화

② ↵ ENTER
ENTER

③ ✦ ▲/▼/◀/▶

④ LENS a. LENS
↺ UNDO b. UNDO

키스톤 조정 0
종료 | 조정
패턴 테스트 | 초기화

주
-
-

Ⓚ-19

MOUSE/ADJ.

-
-
-

-
-

주 ▶
-

7 m

30°

30°   45°

45°

30°

30°

30°   120°

4 m
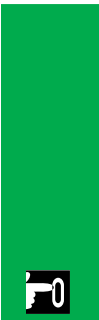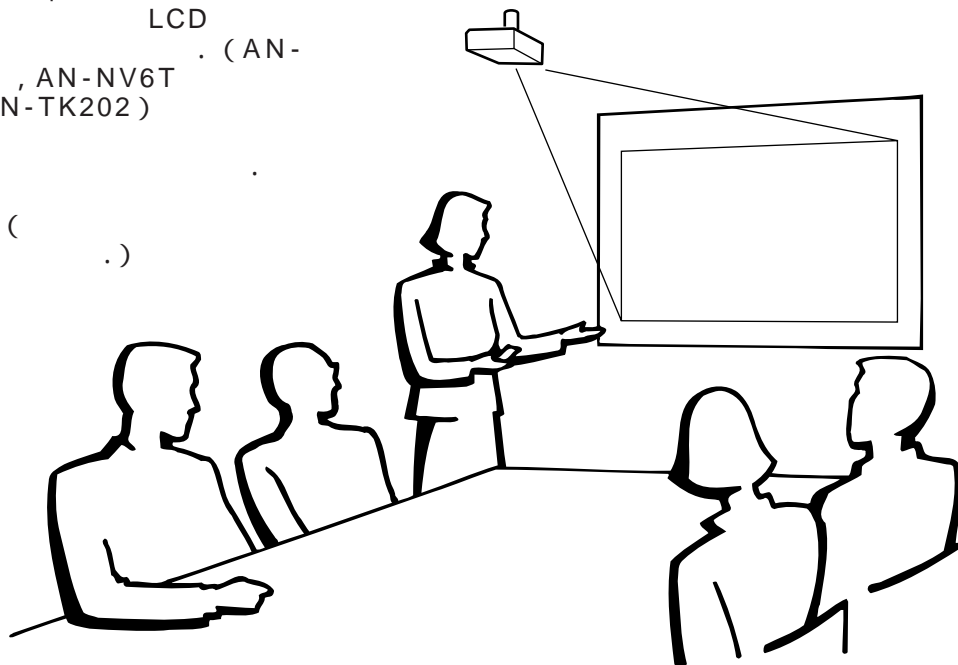
① MOUSE/ADJ.   MOUSE
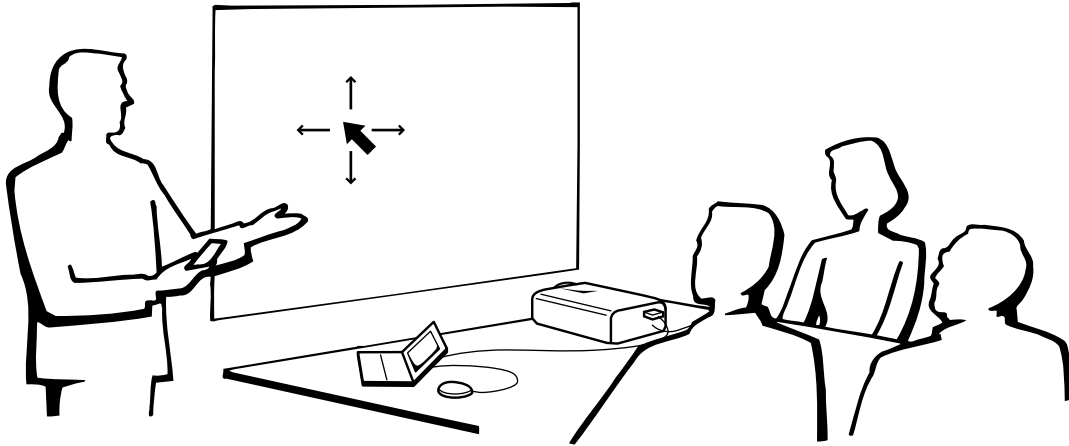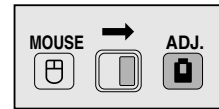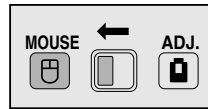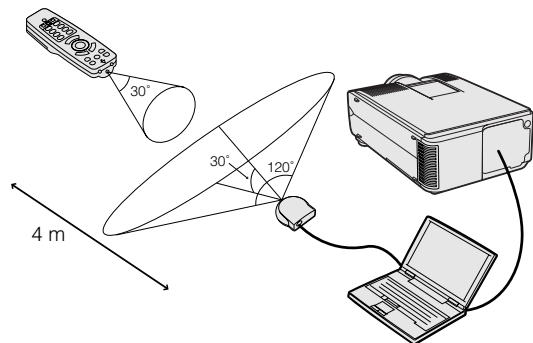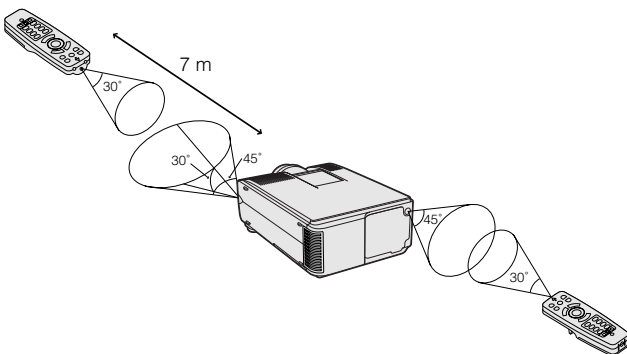
BLACK SCREEN **B**   ✳ LASER

L-CLICK 🖱

R-CLICK 🖱

注▶
•
• L-CLICK   R-CLICK

LIGHT ☼ LIGHT

	MOUSE/ADJ.	
	MOUSE 🖱 ⟷ *ADJ.* 🔒	
LASER/MENU	LASER ( )	MENU ( )
BLACK SCREEN/LENS	BLACK SCREEN ( )	LENS ( )
R-CLICK/ENTER	R-CLICK ( )	ENTER ( )
	( )	( )
L-CLICK/UNDO	L-CLICK ( )	UNDO ( )
ON/OFF		
VOL +/−	ON ( )	
MUTE		

	MOUSE/ADJ.	
	MOUSE 🖱 ⟷ *ADJ.* 🔒	
INPUT		
IrCOM		
FREEZE		
AUTO SYNC	ON ( )	
ENLARGE		
RESIZE		
TOOLS		
GAMMA		

① MOUSE/ADJ.   MOUSE

② LASER ✳   **LASER** ✳
           OFF

注▶
• 1   OFF   ON
   LASER ✳

WIRED REMOTE
3.5mm

注▶
•

3.5mm
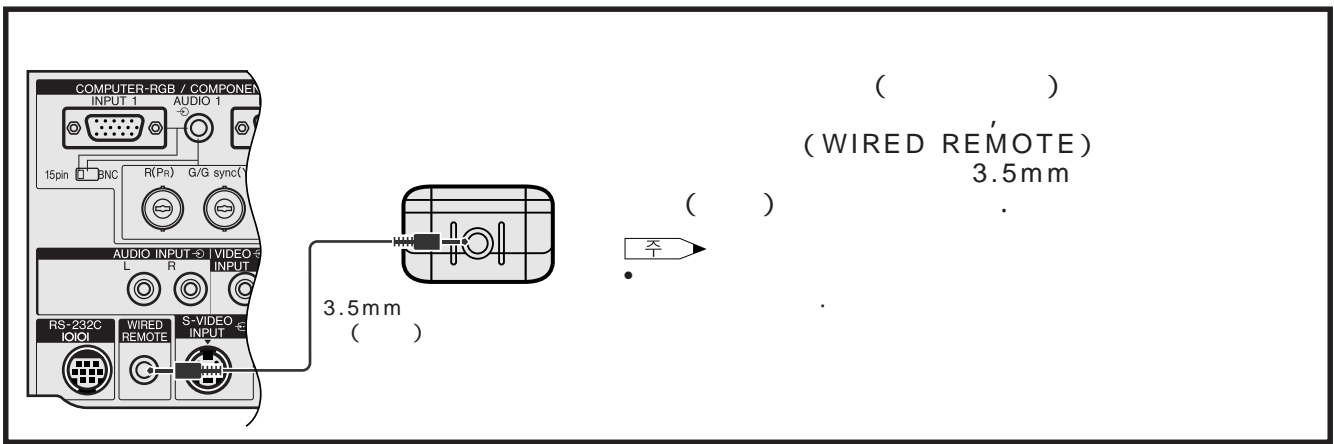
![icon] GUI (Graphical User Interface)

2

(GUI)

RGB

MOUSE/ADJ.

ADJ.

① MENU

② ◀/▶

③ ▲/▼

④ ENTER

⑤ ◀/▶

⑥ UNDO

⑦ MENU   GUI

주 ▶
•

1   2

−30 ↔ +30
−30 ↔ +30
−30 ↔ +30
−30 ↔ +30
−30 ↔ +30
−30 ↔ +30
−30 ↔ +30

[ON/OFF]
−150 ↔ +150
−60 ↔ +60
−150 ↔ +150
−60 ↔ +60

1	800×600	75 Hz
2	640×480	72 Hz
.		
.		
7		

1	800×600	75 Hz
2	640×480	72 Hz
.		
.		
7		

1024×864
1152×864
1152×870
1152×882

−30 ↔ +30
−30 ↔ +30
−30 ↔ +30

1
[ON/OFF]   2
[ON/OFF]   3
OSD   [ON/OFF]   4

I/P

/RGB

English
Deutsch
Español
Nederlands
Français
Italiano
Svenska
Português
汉语
한국어
日本語

PRJ
+

640×480
37.5 kHz
72 Hz

−30 ↔ +30
−30 ↔ +30
−30 ↔ +30
−30 ↔ +30
−30 ↔ +30
−30 ↔ +30
−30 ↔ +30

−30 ↔ +30
−30 ↔ +30
−30 ↔ +30

1
[ON/OFF]   2
OSD   [ON/OFF]   3
4

I/P

PAL 50 /60Hz
SECAM
NTSC4.43
NTSC3.58

English
Deutsch
Español
Nederlands
Français
Italiano
Svenska
Português
汉语
한국어
日本語

PRJ

+

주
• " " " " " " '
•
• ▶

IrCOM

- SAPS
- CD-ROM SAPS
-
- IrCOM

주
-

- IrCOM
-
-
- IrCOM

- 10cm

-

10cm 1m

MOUSE/ADJ.

ADJ.

① **IrCOM** IrCOM
IrCOM
" Ir-COM1" " Ir-COM2"

②

주
-
IrCOM

③ IrCOM **INPUT**

주
- IrCOM

IrCOM 1

IrCOM 2

45°
30°
45° 30°
30°
10 cm–1 m
30°
30°

PC

①

Ⓓ Ir—COM1

Ⓓ Ir—COM2

②

IrCOM 준비

IrCOM 준비
데이터를 기다림

데이터 수신

MOUSE/ADJ.
ADJ.

① MENU

② ◀/▶   " "

③ ▲/▼

④ ENTER

⑤ MENU   GUI

GUI

| 화상 | 미세조정 | 음성 | 옵션 | | PRJ 모드 | 상태 |

← 언어 →

English
Deutsch
Español
Nederlands
Français
Italiano
Svenska
Português
汉语
한국어
日本語

" "

MOUSE/ADJ.
ADJ.

① MENU

② ◀/▶   " "

③ ▲/▼   "   "
 ▶

④ ▲/▼

⑤ ENTER

⑥ MENU   GUI

주 ▶

●   " "

GUI

| 화상 | 음성 | | 언어 | PRJ 모드 | 상태 |

옵션

램프타이머   7 h
블랙스크린 표시
OSD화면표시
절전모드
I/P전환
비디오시스템
배경화면
시작화면

자동
PAL(50/60Hz)
SECAM
NTSC4.43
NTSC3.58

GUI

RGB

	◀	▶

① 미세조정　음성　옵션　언어

← 화상 →

농도　0
밝기　0
적색　0
청색　0
초기화

종료　선택
입력　조정

② 미세조정　음성　옵션　언어

화상

농도　-30　+30　0
밝기　0
적색　0
청색　0
초기화

주

● " " " " " "
　　　　　　　RGB
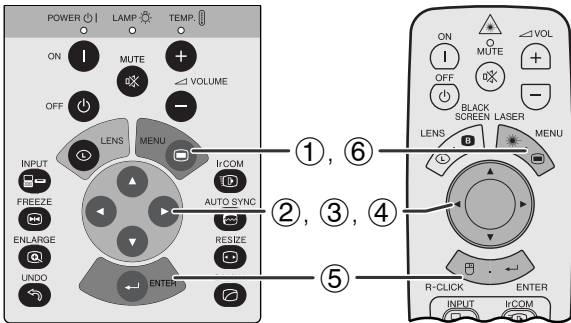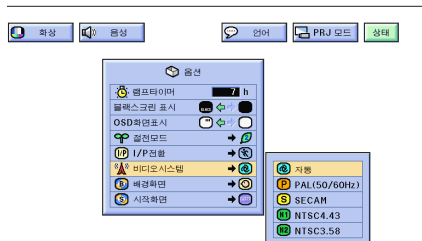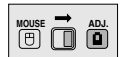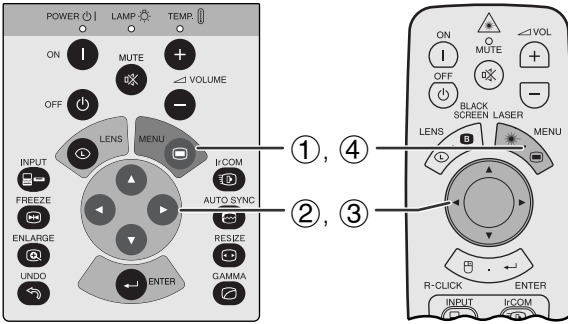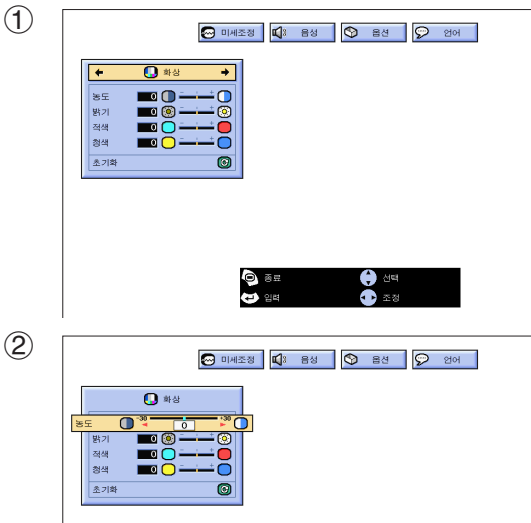
MOUSE/ADJ.
ADJ.

① **MENU** " "
　　　　　　　　　GUI

② **▲/▼**

③ **◀/▶** ❙

④ **MENU** GUI
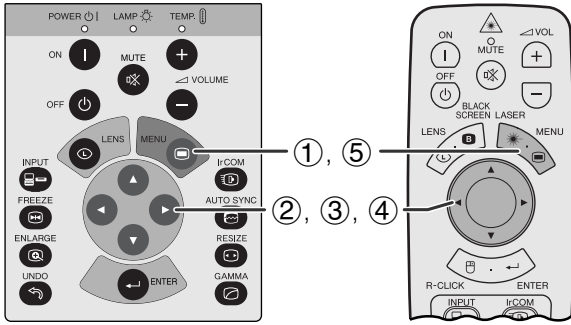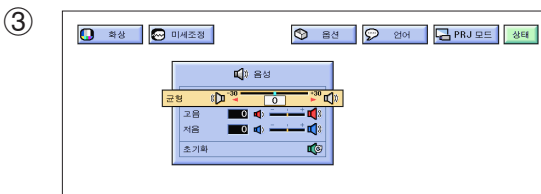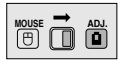
주

● " "
　" " **ENTER**

● " 1"," 2" " "

● " " DVD

GUI

②
③

	◄	►

MOUSE/ADJ.

ADJ.

① **MENU**   "   "

    GUI

② ◄/►   "   "

③ ▲/▼

④ ◄/►

⑤ **MENU**   GUI

주

●   "   "
    "   "   **ENTER**

①, ⑤

②, ③, ④

LCD   ,

"   ", "   ",
"   ", "   "

	(VCR).

주

● AUTO SYNC

GUI

②

화상		음성	음성	언어	PRJ 모드

미세조정

자동화상조정
수직노이즈
수평노이즈
수평위치
수직위치
초기화
설정보존
설정선택
특수모드

③

화상		음성	음성	언어	PRJ 모드

미세조정

자동화상조정
수직노이즈
수평노이즈
수평위치
수직위치
초기화
설정보존
설정선택
특수모드

INPUT
.

MOUSE/ADJ.
ADJ.

① MENU   "   "
GUI

② ◀/▶   "   "

③ ▲/▼

④ ◀/▶

⑤ MENU   GUI

주
●   "   "
"   "   ENTER

①, ⑤

②, ③, ④

AUTO
SYNC

•

• AUTO SYNC   GUI
" ⎯ "   " ON"

" ⎯ "   " ON"
•

•

GUI

| 화상 | 음성 | 옵션 | 언어 | PRJ 모드 | 상태 |

← 미세조정 →
자동화상조정
수직노이즈 0
수평노이즈 0
수평위치 0
수직위치 0
초기화
설정보존 →
설정선택 →
특수모드 →
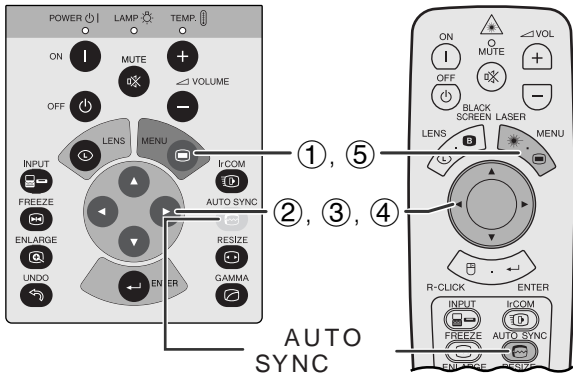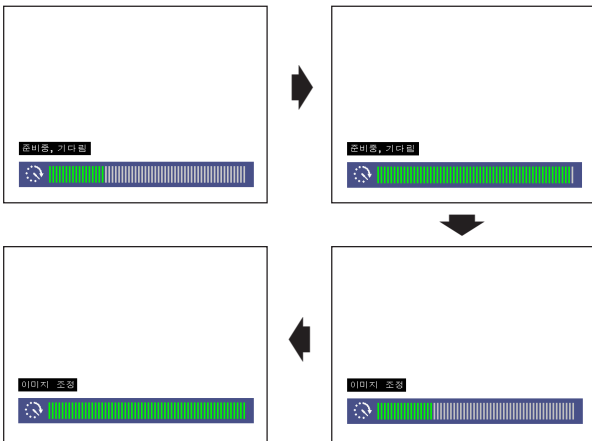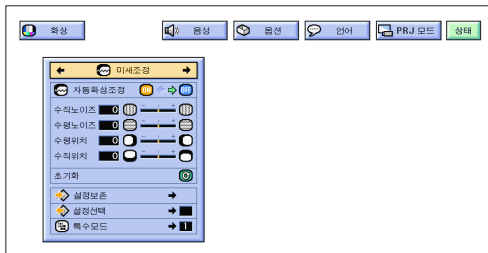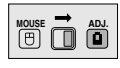
MOUSE/ADJ.
ADJ.

① MENU

② ◄/►   " ⎯ "

③ ▲/▼   " ⎯ "

④ ◄/►   " ON"

⑤ MENU   GUI

주 ▶

• AUTO SYNC
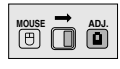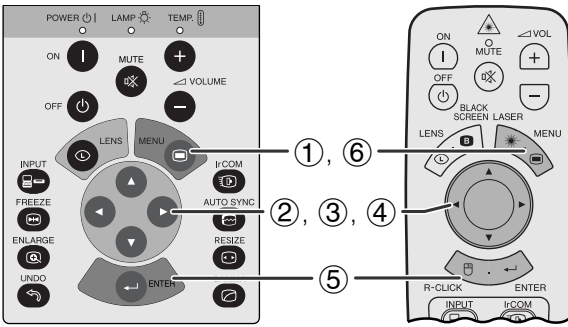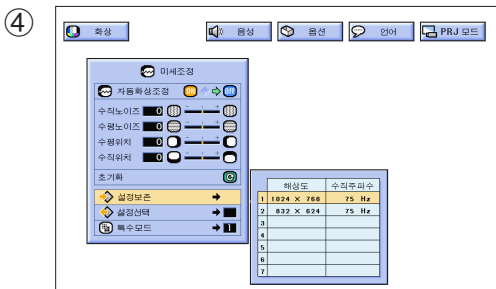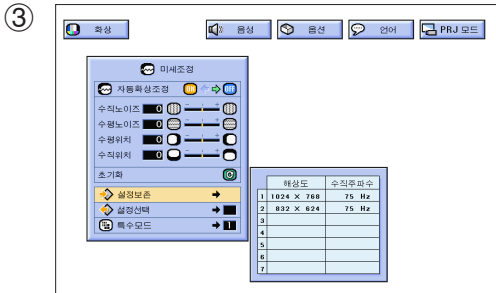
•

준비중, 기다림

준비중, 기다림

이미지 조정

이미지 조정

주 ▶

•

GUI

| 화상 | 미세조정 | 음성 | 언어 | PRJ 모드 | 상태 |

옵션
램프타이머 4 h
자동화상조정 표시
블랙스크린 표시
OSD화면표시
절전모드 →
→
신호종류 →
배경화면 →
시작화면 →
신호 정보

MOUSE/ADJ.
ADJ.

① MENU

② ◄/►   " ⎯ "

③ ▲/▼   " ⎯ "

④   ◄/►   " ⎯ "
" ⎯ "

⑤ MENU   GUI

GUI

② 화상　音성　音선　언어　PRJ 모드
　　미세조정
　　자동화상조정
　　수직노이즈
　　수평노이즈
　　수평위치
　　수직위치
　　초기화
　　설정보존　→
　　설정선택　→
　　특수모드　→

③ 화상　音성　音선　언어　PRJ 모드
　　미세조정
　　자동화상조정
　　수직노이즈
　　수평노이즈
　　수평위치
　　수직위치
　　초기화
　　설정보존　→
　　설정선택　→
　　특수모드　→

해상도	수직주파수
1 1024 × 768	75 Hz
2 832 × 624	75 Hz
3	
4	
5	
6	
7	

④ 화상　音성　音선　언어　PRJ 모드
　　미세조정
　　자동화상조정
　　수직노이즈
　　수평노이즈
　　수평위치
　　수직위치
　　초기화
　　설정보존　→
　　설정선택　→
　　특수모드　→

해상도	수직주파수
1 1024 × 768	75 Hz
2 832 × 624	75 Hz
3	
4	
5	
6	
7	

7

MOUSE/ADJ.

ADJ.

① MENU

② ◄/►　　　　　"　　　　　"

③ ▲/▼　　　　　"　　　　　"　　　　►

④ ▲/▼

⑤ ENTER

⑥ MENU　　　　　　　GUI

MOUSE/ADJ.

ADJ.

① MENU

② ◄/►　　　　　"　　　　　"

③ ▲/▼　　　　　"　　　　　"　　　　►

④ ▲/▼

⑤ ENTER

⑥ MENU　　　　　　　GUI

주 ►
●
● "　　　　　"

GUI

| 화상 | 음성 | 옵션 | 언어 | PRJ 모드 |

미세조정
자동화상조정
수직노이즈　0
수평노이즈　0
수평위치　0
수직위치　0
초기화
설정보존 →
설정선택 →
특수모드 →

해상도
1	640 × 480
2	720 × 480
3	480P

" " " "

MOUSE/ADJ.

ADJ.

① MENU

② ◄/►　　　　" "

③ ▲/▼　　　　" "

④ ▲/▼

⑤ ENTER

⑥ MENU　　　GUI

주

•

• DTV 480P　　　　　　　　　　　　④
" 480P"

K -32

① FREEZE

② FREEZE

🔘 정지상태

🔘 종료
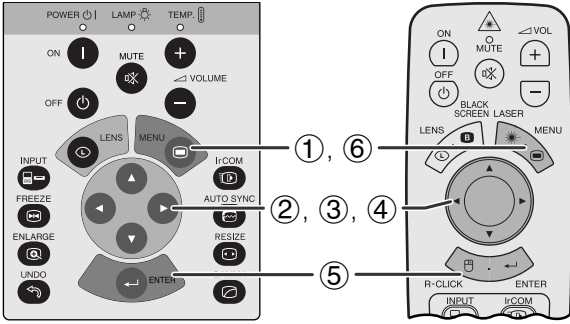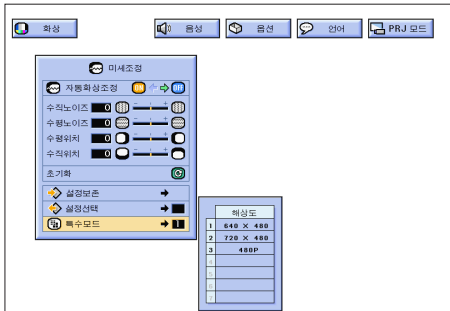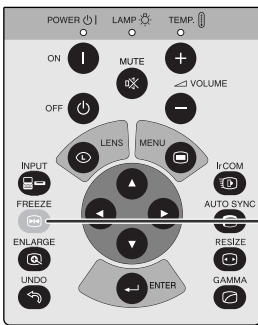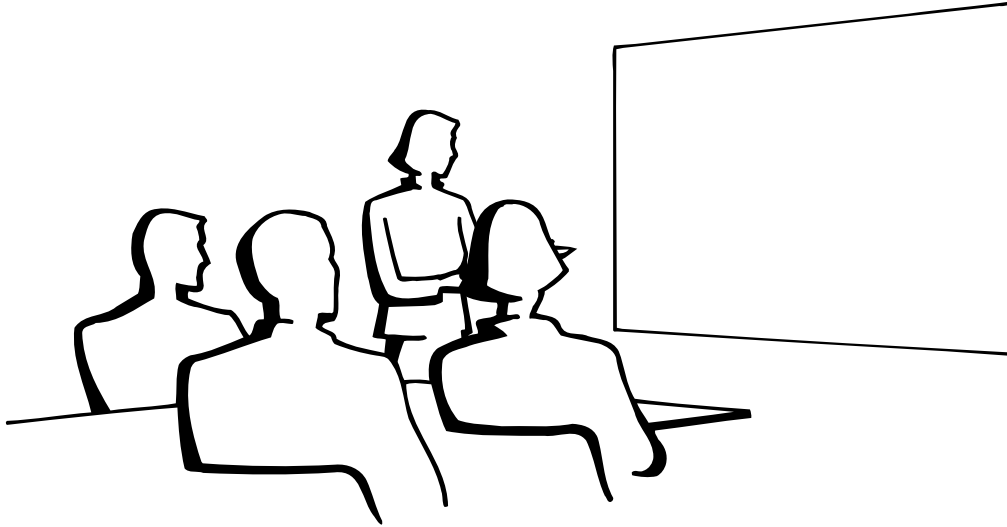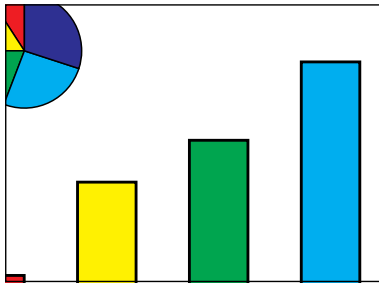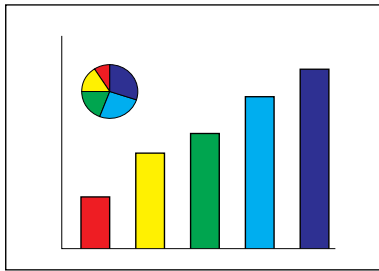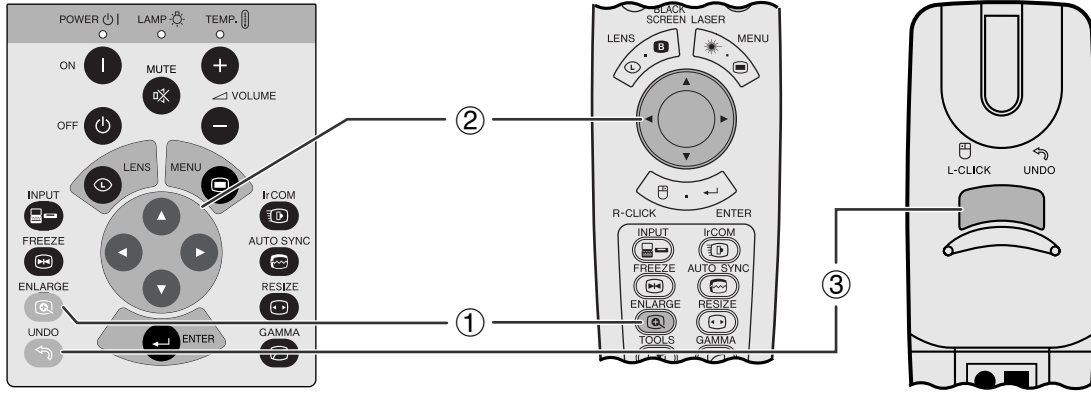
MOUSE/ADJ.

ADJ.

① ENLARGE   ENLARGE

② ▲/▼/◀/▶
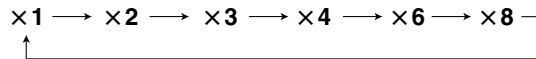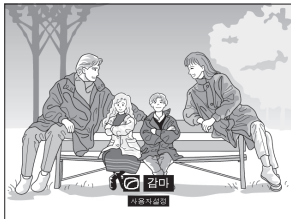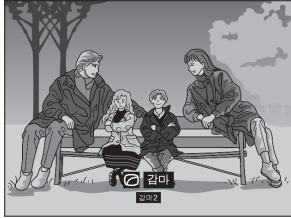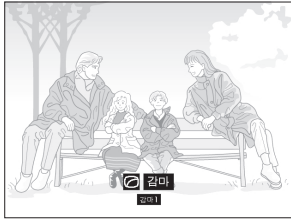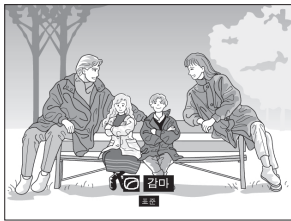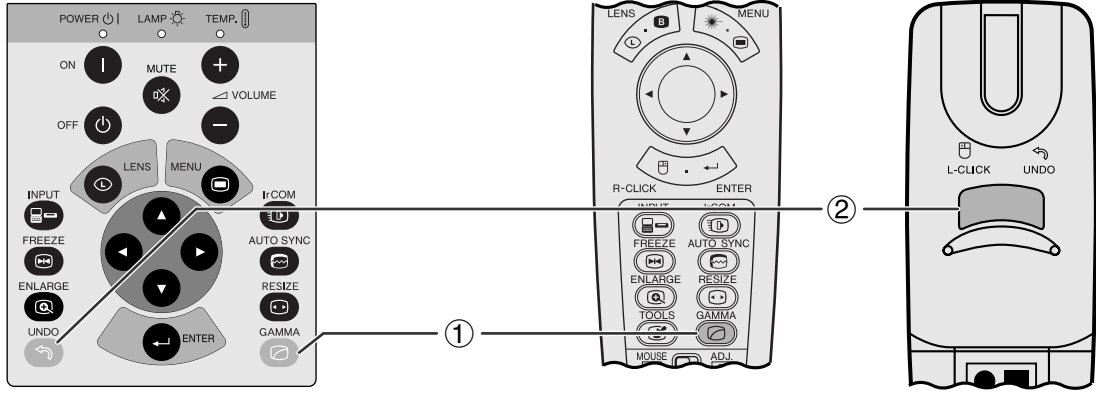
주

• ENLARGE

×1 ⟶ ×2 ⟶ ×3 ⟶ ×4 ⟶ ×6 ⟶ ×8

•
        × 1

(a) INPUT   .
(b)   ,
(c)   .

③ ×1   UNDO

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• 4

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1	
2	

MOUSE/ADJ.
ADJ.

① GAMMA   GAMMA

② " "
   UNDO

감마 표준
감마 감마1
감마 감마2
감마 사용자설정

, , , ,

주
• RESIZE

예 👉
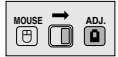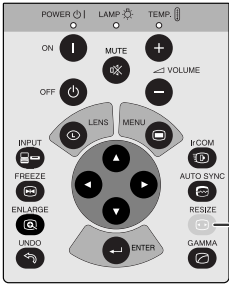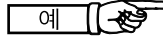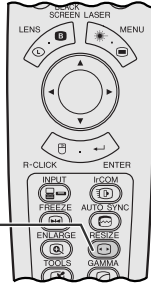
	DTV		SXGA	PAL
	4:3	16:9		
	480 P	720 P		
	1024 × 768	1024 × 576	960 × 768	1024 × 768
	1024 × 576	—	1024 × 768	1024 × 576
	640 × 480	1280 × 720	1280 × 1024	720 × 540
( )	853 × 480	—	—	—

RESIZE

4:3 DTV RGB

화면조정 일반 → 화면조정 와이드 → 화면조정 실화면 → 화면조정 실화면(넓이)

16:9 SVGA DTV RGB

화면조정 일반 ↔ 화면조정 실화면

4:3 RGB

화면조정 일반 → 화면조정 화면조정 → 화면조정 실화면

PAL

화면조정 일반 → 화면조정 와이드 → 화면조정 실화면
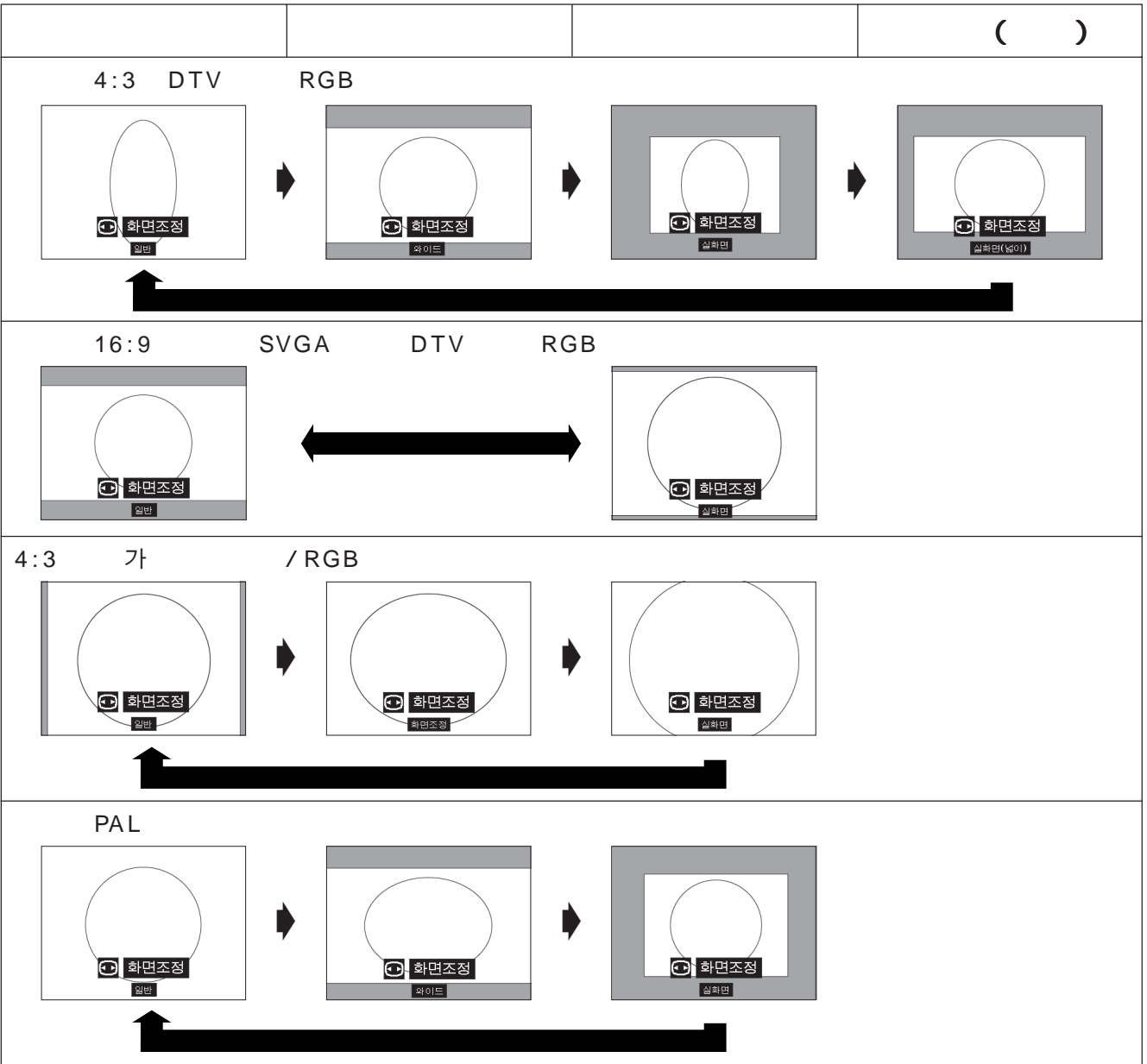
주
• " " 4:3 SXGA
• LCD
• " " UNDO
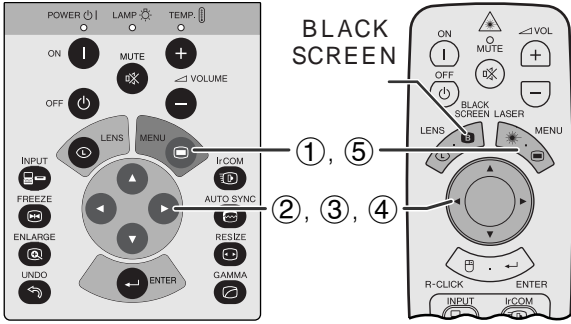
BLACK SCREEN ... "
" BLACK SCREEN

주

• ... BLACK SCREEN ... MOUSE/ADJ. ... MOUSE
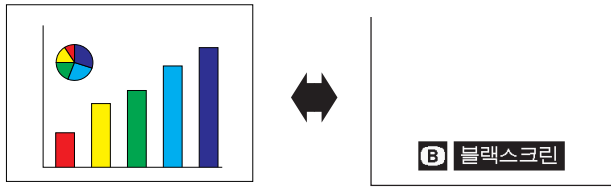
" ... GUI ... "
" ● " ... "

MOUSE/ADJ.
ADJ.

① MENU

② ◀/▶ ... " "

③ ▲/▼ ... " "

④ ... ◀/▶ ... " ● "
" ● "

⑤ MENU ... GUI

" " IrCOM ... GUI
" OSD " ... " ○ "
INPUT ... IrCOM

MOUSE/ADJ.
ADJ.

① MENU

② ◀/▶ ... " "

③ ▲/▼ ... " OSD "

④ ... ◀/▶ ... " ○ "
" ○ "
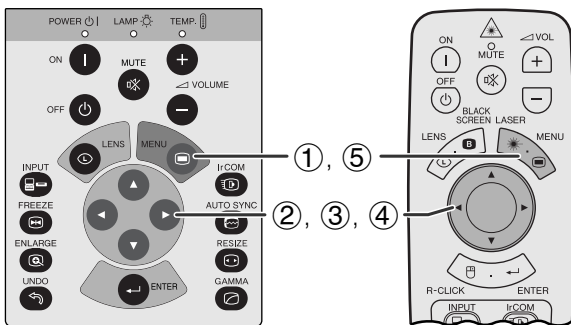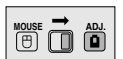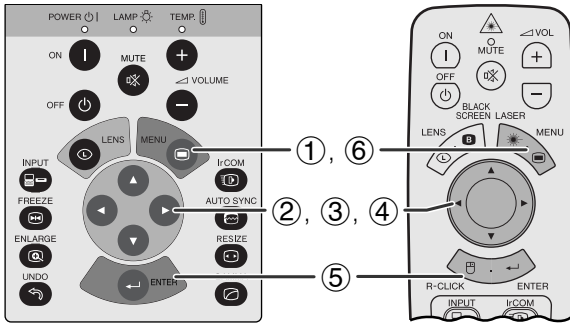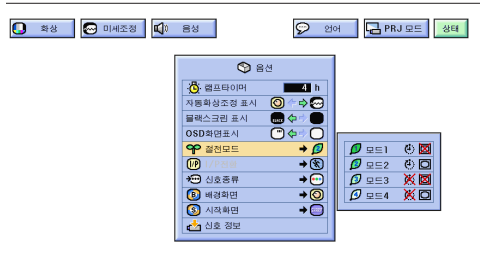
⑤ MENU ... GUI

OFF

		RS 232C
1	ON	OFF
2	ON	ON
3	OFF	OFF
4	OFF	ON
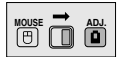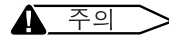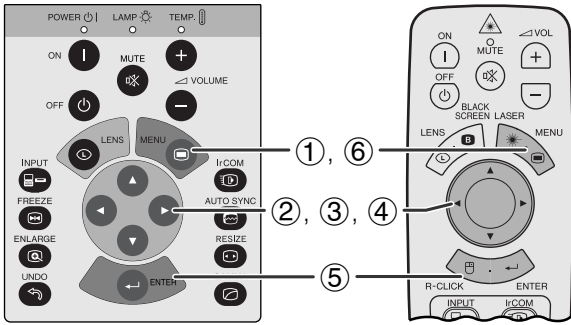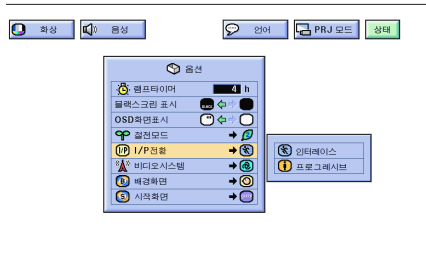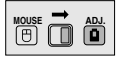
주 ▶

• 　　　　　　　　　　2

MOUSE/ADJ.

ADJ.

① **MENU**

② ◀/▶　　　　　" 　 "

③ ▲/▼　　　　　"　　　　"　　　　　　▶

④ ▲/▼

⑤ **ENTER**

⑥ **MENU**　　　　GUI

GUI

15

5

⚠ 주의 ▶

• 　　　　　　　　　　2　　　　4

✦ I/P

GUI

| 🖥 화상 | 🔊 음성 | | 💬 언어 | 🖥 PRJ 모드 | 상태 |

옵션
- ⏱ 램프타이머 ▬▬ 4 h
- 블랙스크린 표시 ⬛⇦✓⬤
- OSD화면표시 ◻⇦✓◯
- 절전모드 →🍃
- I/P전환 →✦
  - ✦ 인터레이스
  - ⓘ 프로그레시브
- 비디오시스템 →✦
- 배경화면 →◉
- 시작화면 →◯

MOUSE/ADJ.

ADJ.

① MENU

② ◀/▶ "   "

③ ▲/▼   " I/P   "   ▶

④ ▲/▼ "   "   "

⑤ ENTER

⑥ MENU   GUI

✦

GUI

| 🖥 화상 | 🔊 음성 | | 💬 언어 | 🖥 PRJ 모드 | 상태 |

← 옵션 →
- ⏱ 램프타이머 ▬▬ 5 h
- 블랙스크린 표시 ⬛⇦✓⬤
- OSD화면표시 ◻⇦✓◯
- 절전모드 →🍃
- I/P전환 →✦
- 비디오시스템 →✦
- 배경화면 →◉
- 시작화면 →◯

MOUSE/ADJ.

ADJ.

① MENU

② ◀/▶ "   "

주 ➤
- 2,000
  LCD
  47
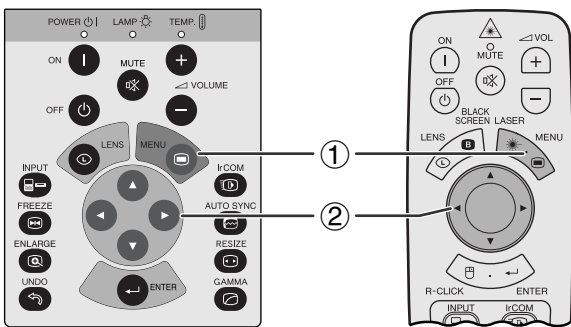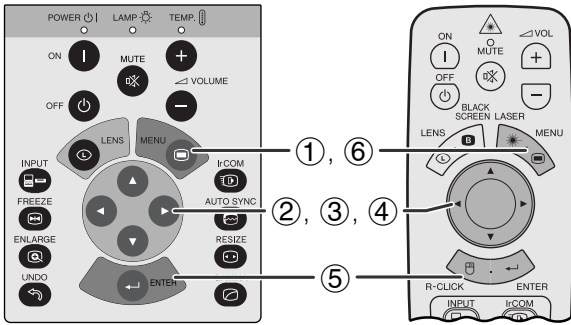
MOUSE/ADJ.

ADJ.
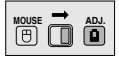
① MENU

② ◀/▶ "   "

③ ▲/▼ "   " ▶

④ ▲/▼ "   /RGB" "
    "

⑤ ENTER

⑥ MENU   GUI

GUI
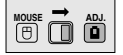
🖥 화상	미세조정	🔊 음성		💬 언어	PRJ 모드	상태

옵션
- 랜프타이머   5 h
- 자동화상조정 표시
- 블랙스크린 표시
- OSD화면표시
- 절전모드
- 신호종류 → 컴퓨터/RGB
- 배경화면   콤포넌트 신호
- 시작화면
- 신호 정보

MOUSE/ADJ.

ADJ.

① MENU

② ◀/▶ "   "

③ ▲/▼ "   "

④ MENU   GUI

주 ▶
•

GUI

🖥 화상	미세조정	🔊 음성		💬 언어	PRJ 모드	상태

옵션
- 랜프타이머   5 h
- 자동화상조정 표시
- 블랙스크린 표시
- OSD화면표시
- 절전모드
- 신호종류
- 배경화면
- 시작화면
- 신호 정보

해상도	640 × 480
수평주파수	31.4 kHz
수직주파수	60 Hz

GUI

MOUSE/ADJ.

ADJ.

① MENU
② ◀/▶   "   "
③ ▲/▼   "   "   ▶

④ ▲/▼

⑤ ENTER
⑥ MENU   GUI

주 ▶
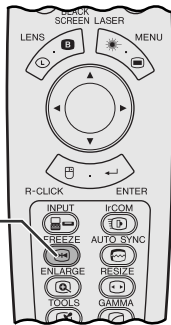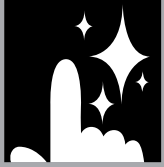• "   "
                                             :
                              1,024 × 768
              256   BMP

GUI

•
• IrCOM   RS232C
                              :
                                        14   25

	:

MOUSE/ADJ.

ADJ.

① MENU
② ◀/▶   "   "
③ ▲/▼   "   "   ▶

④ ▲/▼

⑤ ENTER
⑥ MENU   GUI

주 ▶
• "   "

                              1,024 × 768
              256   BMP

/

	+
+	+

GUI

"   "

"   "

"   "

"   +   "

MOUSE/ADJ.

ADJ.

① MENU

② ◀/▶   " PRJ 모드 "

③ ▲/▼

④ ENTER

⑤ MENU   GUI

주

●

20

K -42
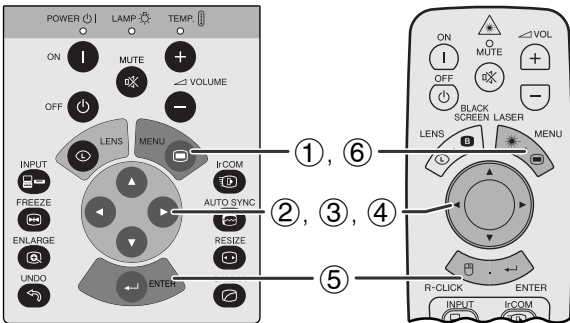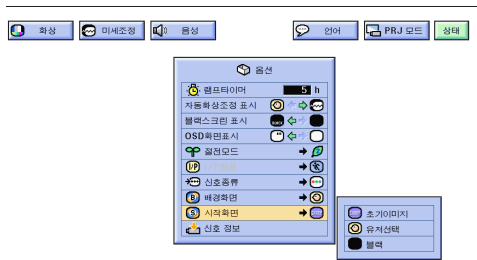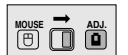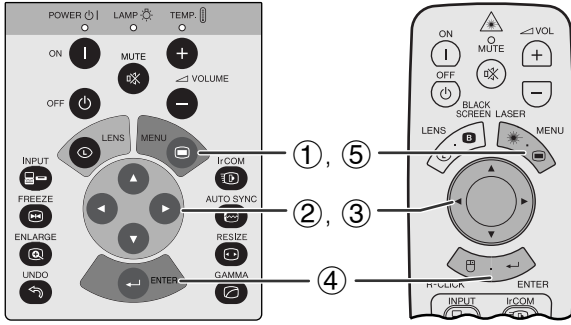
MOUSE/ADJ.

ADJ.

① TOOLS

② ▲/▼/◀/▶

③ ENTER

④ ▲/▼/◀/▶

⑤ ENTER

⑥ UNDO

주 ►
•
• ▲/▼/◀/▶
  " ◆ " ENTER

MOUSE/ADJ.

ADJ.

① TOOLS

② ▲/▼/◀/▶ " ☕ "

③ ENTER

④ ▲ ,
  ▼

주 ►
• " "

SHARP

Notevision

☕ 5:00
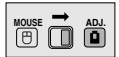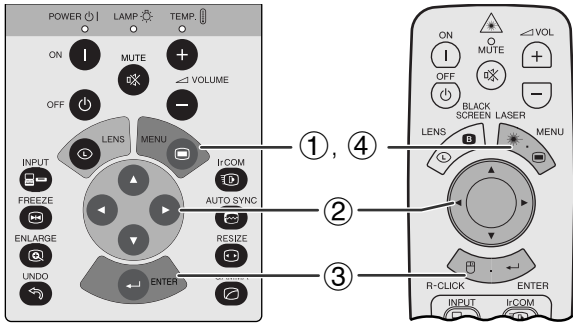
MOUSE/ADJ.

ADJ.
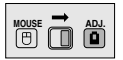
① MENU

② ◀/▶   "   "

③ ENTER

④ MENU   GUI

GUI

②

화상	미세조정	음성	옵션	언어	PRJ 모드	상태

③

화상	미세조정	음성	옵션	
0 농도	0 자동화상조정	0 균형	자동화상조정 표시	한국어 언어
0 밝기	0 수직노이즈	0 고음	블랙스크린 표시	표준이미지 PRJ 모드
0 적색	0 수평노이즈	0 저음	OSD화면표시	
0 청색	0 수평위치		절전모드	사용자설정 감마
	0 수직위치		I/P전환	일반 화면조정
	설정선택		신호종류	
	1 특수모드	시작화면	배경화면	

-
- 100

- (PFILD0080CEZZ)

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3

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6

주 ▶
-

주 ▶
-

POWER ⏻| LAMP ☼   TEMP. 🌡

- •
- • 2   :   ,
- •

		•	•
		•	• 46
		•	• LCD
		•	
		•	• LCD
		•	
	ON	•	•

주
- •   ,
- 5
- •   ON/OFF

                         2,000   1,900

LCD
     39

⚠ 주의
- •

주
- •   2,000

A/S

	• • • 17 • 11—15 • 8 • MOUSE/ADJ. MOUSE
	• 11—15 • " " " " 27 • " " , 37
	• " " " " 27
	• 19 • 18
	• 11—15 • 17
	•
	• 47 " "
IrCOM	• 25 • • " A/S "
	• 29 • RS-232C ON 51—52
480P	• 480P 32
	• 40
	• ,
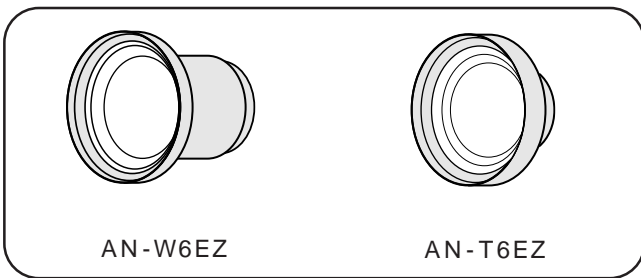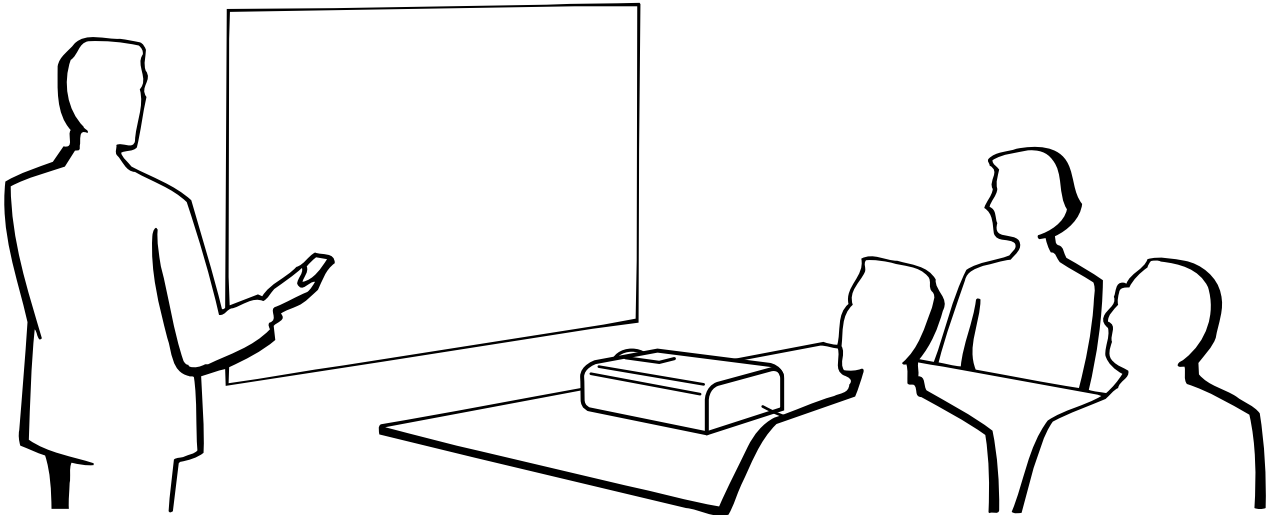
AN-W6EN

AN-T6EZ
LCD

AN-W6EZ   AN-T6EZ

254 cm (100″)

2.6–3.4 m
AN-W6EZ   3.65–4.86 m

                                              5–6.56 m
                                              AN-T6EZ

3   4   5   6   (m)

⚠ 주의

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•
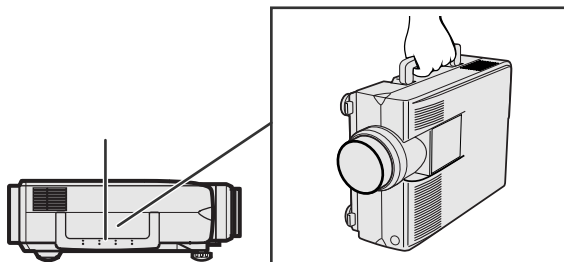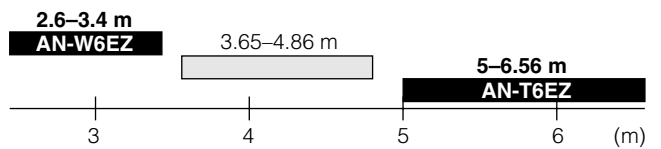
1　　2　　　　　　　　　　　　　15　　　D-sub
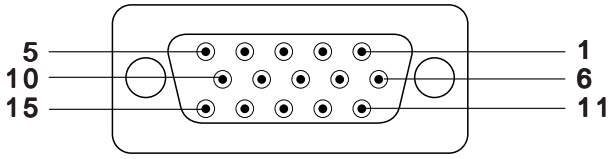
1.	8.
2.	9.
	10. GND
3.	11. GND
4.　　　　　　1	12. Bi-directional
5.	
6.	13.
7.	14.
	15.

RS-232C　　　DIN-D-sub RS-232C　　　9　　D-sub male
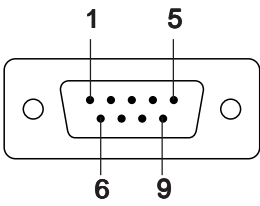
1	CD	
2	RD	
3	SD	
4	ER	
5	SG	
6	DR	
7	RS	
8	CS	
9	CI	

RS-232C　　　　　9　　　　　DIN
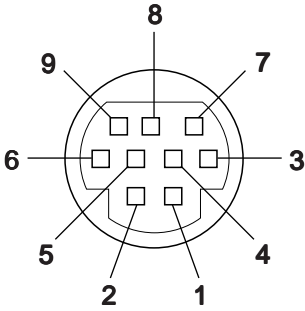
1	VCC	+3.3V
2	RD	
3	SD	
4	EXIR	
5	SG	
6	ERX	IR
		IR
7	RS	
8	CS	
9	ETX	IR

PC

RS-232C
14

RS-232C
9,600 bps
8 bits

1 bit

C1	C2	C3	C4	P1	P2	P3	P4

ODH

4-digits 4-digits

| O | K |
ODH

| E | R | R |
ODH

OK

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•
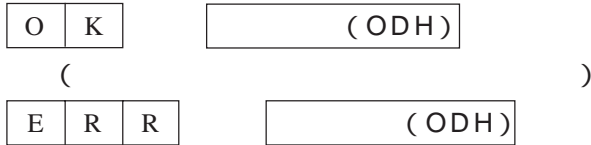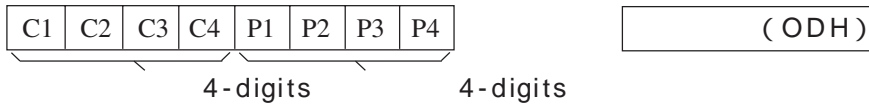
예 ☞
• −10   1   "   "

| R | A | B | R | _ | − | 1 | 0 | ↵ | ⇄ | O | K | ↵ |

		C1	C2	C3	C4	P1	P2	P3	P4	
OFF		A	P	O	W	_	_	_	0	OFF
		A	P	O	W	_	_	_	1	ON
		P	O	W	R	_	_	_	0	OFF( )
		P	O	W	R	_	_	_	1	ON
		I	V	E	D	_	_	_	1	
		I	R	G	B	_	_	_	1	1
		I	R	G	B	_	_	_	2	2
		I	C	O	M	_	_	_	1	IrCOM1
		I	C	O	M	_	_	_	2	IrCOM2
		I	C	H	K	_	_	_	0	
		L	N	F	O	_	*	*	*	(−30~ +30)
		L	N	Z	O	_	*	*	*	(−30~ +30)
		K	E	Y	S	*	*	*	*	(−127~ +127)

		C1	C2	C3	C4	P1	P2	P3	P4	
		M	E	L	A	_	_	_	1	ENGLISH
		M	E	L	A	_	_	_	2	DEUTSCH
		M	E	L	A	_	_	_	3	ESPAÑOL
		M	E	L	A	_	_	_	4	NEDERLANDS
		M	E	L	A	_	_	_	5	FRANÇAIS
		M	E	L	A	_	_	_	6	ITALIANO
		M	E	L	A	_	_	_	7	SVENSKA
		M	E	L	A	_	_	_	8	日本語
		M	E	L	A	_	_	_	9	PORTUGUÊS
		M	E	L	A	_	_	1	0	汉语
		M	E	L	A	_	_	1	1	한국어

	C1	C2	C3	C4	P1	P2	P3	P4	
	M	E	S	Y	_	_	_	1	
	M	E	S	Y	_	_	_	2	PAL (50/60Hz)
	M	E	S	Y	_	_	_	3	SECAM
	M	E	S	Y	_	_	_	4	NTSC 4.43
	M	E	S	Y	_	_	_	5	NTSC 3.58
	V	A	P	I	_	*	*	*	(−30~ +30)
	V	A	B	R	_	*	*	*	(−30~ +30)
	V	A	C	O	_	*	*	*	(−30~ +30)
	V	A	T	I	_	*	*	*	(−30~ +30)
	V	A	S	H	_	*	*	*	(−30~ +30)
	V	A	R	E	_	_	_	1	
	V	A	R	D	_	*	*	*	(−30~ +30)
	V	A	B	E	_	*	*	*	(−30~ +30)
	V	A	R	E	_	_	_	0	
	V	A	R	E	_	_	_	1	
	I	M	B	G	_	_	_	1	
	I	M	B	G	_	_	_	2	
	I	M	B	G	_	_	_	3	
	I	M	B	G	_	_	_	4	
	I	M	S	I	_	_	_	1	
	I	M	S	I	_	_	_	2	
	I	M	S	I	_	_	_	3	
	V	O	L	A	_	_	*	*	(00~ 60)
	M	U	T	E	_	_	_	0	OFF
	M	U	T	E	_	_	_	1	ON
	A	A	B	L	_	*	*	*	(−30~ +30)
	A	A	T	E	_	*	*	*	(−30~ +30)
	A	A	B	A	_	*	*	*	(−30~ +30)
	A	A	R	E	_	_	_	0	
	A	A	R	E	_	_	_	1	
1	R	A	P	I	_	*	*	*	(−30~ +30)
	R	A	B	R	_	*	*	*	(−30~ +30)
	R	A	R	D	_	*	*	*	(−30~ +30)
	R	A	B	E	_	*	*	*	(−30~ +30)
	R	A	R	E	_	_	_	0	1
	R	A	C	O	_	*	*	*	(−30~ +30)
	R	A	T	I	_	*	*	*	(−30~ +30)
	R	A	S	H	_	*	*	*	(−30~ +30)
	R	A	R	E	_	_	_	1	
2	R	B	P	I	_	*	*	*	(−30~ +30)
	R	B	B	R	_	*	*	*	(−30~ +30)
	R	B	R	D	_	*	*	*	(−30~ +30)
	R	B	B	E	_	*	*	*	(−30~ +30)
	R	B	R	E	_	_	_	0	2
	R	B	C	O	_	*	*	*	(−30~ +30)
	R	B	T	I	_	*	*	*	(−30~ +30)
	R	B	S	H	_	*	*	*	(−30~ +30)
	R	B	R	E	_	_	_	1	
	A	A	D	J	_	_	_	0	OFF
	A	A	D	J	_	_	_	1	ON
	A	D	J	S	_	_	_	1	

	C1	C2	C3	C4	P1	P2	P3	P4	
	I	N	C	L	*	*	*	*	(−150~ +150)
	I	N	P	H	_	*	*	*	(−60~ +60)
	I	A	H	P	*	*	*	*	(−150~ +150)
	I	A	V	P	_	*	*	*	(−60~ +60)
	I	A	R	E	_	_	_	0	
	I	A	R	E	_	_	_	1	
	I	M	D	I	_	_	_	0	OSD OFF
	I	M	D	I	_	_	_	1	OSD ON
	I	M	R	E	_	_	_	0	OFF
	I	M	R	E	_	_	_	1	ON
	I	M	I	N	_	_	_	0	OFF
	I	M	I	N	_	_	_	1	ON
	I	M	A	S	_	_	_	0	OFF
	I	M	A	S	_	_	_	1	ON
	I	M	I	P	_	_	_	0	I/P
	I	M	I	P	_	_	_	1	I/P
1	I	A	S	I	_	_	_	1	RGB
	I	A	S	I	_	_	_	2	
2	I	B	S	I	_	_	_	1	RGB
	I	B	S	I	_	_	_	2	
	G	A	M	R	_	_	_	1	
	G	A	M	R	_	_	_	2	1
	G	A	M	R	_	_	_	3	2
	G	A	M	R	_	_	_	4	
	G	A	M	V	_	_	_	1	
	G	A	M	V	_	_	_	2	1
	G	A	M	V	_	_	_	3	2
	G	A	M	V	_	_	_	4	
	S	Y	S	E	_	_	_	0	
	I	M	B	K	_	_	_	0	OFF
	I	M	B	K	_	_	_	1	ON
	I	M	B	O	_	_	_	0	OFF
	I	M	B	O	_	_	_	1	ON
	M	E	M	S	_	_	_	*	(1~ 7)
	M	E	M	L	_	_	_	*	(1~ 7)
1	R	A	S	R	_	_	_	1	
	R	A	S	R	_	_	_	2	/
	R	A	S	R	_	_	_	3	
	R	A	S	R	_	_	_	4	( )
2	R	B	S	R	_	_	_	1	
	R	B	S	R	_	_	_	2	/
	R	B	S	R	_	_	_	3	
	R	B	S	R	_	_	_	4	( )
	R	A	S	V	_	_	_	1	
	R	A	S	V	_	_	_	2	
	R	A	S	V	_	_	_	3	
	N	F	I	L	_	_	_	0	OFF
	N	F	I	L	_	_	_	1	ON

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• (_)　　　　　　　　　　　　　　　　　　　　　　(*)
•
• RS-232C　　　　　　　ON

• 3.5ø
• +5 V（1 A）
• GND

	（ ）	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15
1	ON	1	0	1	1	0	0	1	1	0	1	0	1	0	1	0
2	OFF	1	0	1	1	0	0	1	1	0	1	0	0	1	1	0
3	VOL −	1	0	1	1	0	1	0	1	0	1	0	0	0	1	0
4	VOL +	1	0	1	1	0	0	0	1	0	1	0	0	0	1	0
5	MUTE	1	0	1	1	0	1	1	1	0	1	0	0	0	1	0
6	MENU	1	0	1	1	0	0	0	1	0	0	0	1	1	1	0
7	LENS	1	0	1	1	0	1	1	0	1	0	0	0	1	1	0
8	TOOLS	1	0	1	1	0	0	1	0	1	0	1	1	1	1	0
9	BLACK SCREEN	1	0	1	1	0	0	1	0	1	0	1	1	0	1	0
10	ENTER	1	0	1	1	0	1	1	1	0	1	0	1	0	1	0
11	UNDO	1	0	1	1	0	1	0	0	1	1	0	1	0	1	0

	（ ）	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15
12	IrCOM	1	0	1	1	0	1	1	1	0	1	1	0	1	1	0
13	INPUT	1	0	1	1	0	1	1	0	0	1	0	0	0	1	0
14	FREEZE	1	0	1	1	0	1	0	1	1	0	0	0	1	1	0
15	ENLARGE	1	0	1	1	0	1	0	1	1	0	1	1	0	1	0
16	AUTO SYNC	1	0	1	1	0	0	1	0	1	1	1	1	1	1	0
17	▲	1	0	1	1	0	0	0	1	1	0	0	1	1	1	0
18	▼	1	0	1	1	0	1	0	1	1	0	0	1	1	1	0
19	◄	1	0	1	1	0	0	0	0	0	1	0	1	0	1	0
20	►	1	0	1	1	0	1	1	1	1	0	0	1	0	1	0
21	RESIZE	1	0	1	1	0	0	1	1	1	1	0	1	0	1	0
22	GAMMA	1	0	1	1	0	0	0	0	0	0	0	1	0	1	0

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•

LSB   MSB

C1 ←				→ C5	C6 ←							→ C13	C14	C15
1	0	1	1	0	·	·	·	·	·	·	·	·	1	0

• C1 C5 " 10110"

• C14 C15 " 01" "
"   " 10" "   "
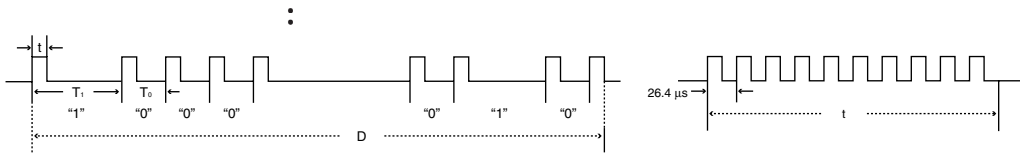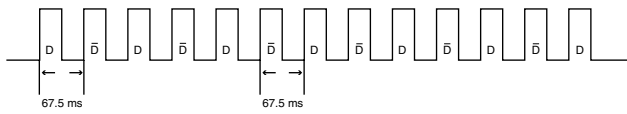
15- bit

t = 264   = 455/12 kHz
T0 = 1.05 ms   = 1:1
T1 = 2.10 ms

15 bit

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15

D   D̄

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15
D	1	0	1	1	0	1	0	0	0	0	0	0	0	1	0

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15
D̄	1	0	1	1	0	0	1	1	1	1	1	1	1	0	1

IBM

VESA

Macintosh

C-　　　（　）

C-　　　（　）

V-

VESA

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- 　130Hz
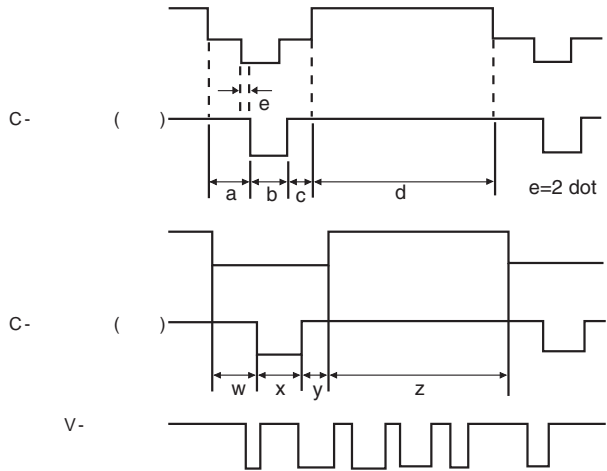
		dot	line		a (dot)	b (dot)	c (dot)	d (dot)	1H (a+b+c+d) dot	1dot μs	1/H ns	kHz	MHz	w (H)	x (H)	y (H)	z (H)	1V (w+x+y+z) H	ms	Hz
					PORCH a	b	PORCH c	PERIOD d	1H (a+b+c+d)	1dot	1/H		1/dot	PORCH w	x	PORCH y	PERIOD z	1V (w+x+y+z)		1/V
VGA	VESA	640	350		32	64	96	640	832	26.4	31.7	37.861	31.500	32	3	60	350	445	11.8	85.080
	VESA	640	400		32	64	96	640	832	26.4	31.7	37.861	31.500	1	3	41	400	445	11.8	85.080
		720	400		36	72	108	720	936	26.4	28.2	37.927	35.500	1	3	42	400	446	11.8	85.039
		640	480	0.7 Vp-p 75 Ω load	8	96	40	640	800	31.8	39.7	31.469	25.175	2	2	25	480	525	16.7	59.940
	VESA	640	480	R•G•B	16	40	120	640	832	26.4	31.7	37.861	31.500	1	3	20	480	520	13.7	72.809
		640	480		16	64	120	640	840	26.7	31.7	37.500	31.500	1	3	16	480	500	13.3	75.000
		640	480		56	56	80	640	832	23.1	27.8	43.269	36.000	1	3	25	480	509	11.8	85.008
SVGA	VESA	800	600		24	72	128	800	1,024	28.4	27.8	35.156	36.000	1	2	22	600	625	17.8	56.250
		800	600		40	128	88	800	1,056	26.4	25.0	37.879	40.000	1	4	23	600	628	16.6	60.317
	VESA	800	600		56	120	64	800	1,040	20.8	20.0	48.077	50.000	37	6	23	600	666	13.9	72.188
		800	600		16	80	160	800	1,056	21.3	20.2	46.875	49.500	1	3	21	600	625	13.3	75.000
		800	600		32	64	152	800	1,048	18.6	17.8	53.674	56.250	1	3	27	600	631	11.8	85.061
XGA		1,024	768		8	176	56	1,024	1,264	28.2	22.3	35.522	44.900	0	4	20	768	817	23.0	43.479
	VESA	1,024	768		24	136	160	1,024	1,344	20.7	15.4	48.363	65.000	3	6	29	768	806	16.7	60.004
		1,024	768		24	136	144	1,024	1,328	17.7	13.3	56.476	75.000	3	6	29	768	806	14.3	70.069
		1,024	768		16	96	176	1,024	1,312	16.7	12.7	60.023	78.750	1	3	28	768	800	13.3	75.029
		1,024	768		48	96	208	1,024	1,376	14.6	10.6	68.677	94.500	1	3	36	768	808	11.8	84.997
SXGA		1,152	864		64	128	256	1,152	1,600	14.8	9.3	67.500	108.000	1	3	32	864	900	13.3	75.000
		1,280	960		96	112	312	1,280	1,800	16.7	9.3	60.000	108.000	1	3	36	960	1,000	16.7	60.000
		1,280	960		64	160	224	1,280	1,728	11.6	6.7	85.938	148.500	1	3	47	960	1,011	11.8	85.002
	VESA	1,280	1,024		48	112	248	1,280	1,688	15.6	9.3	63.981	108.000	1	3	38	1,024	1,066	16.7	60.020
		1,280	1,024		16	144	248	1,280	1,688	12.5	7.4	79.976	135.000	1	3	38	1,024	1,066	13.3	75.025
		1,280	1,024		64	160	224	1,280	1,728	11.0	6.3	91.146	157.500	1	3	44	1,024	1,072	11.8	85.024
UXGA		1,600	1,200		64	192	304	1,600	2,160	13.3	6.2	75.000	162.000	1	3	46	1,200	1,250	16.7	60.000
		1,600	1,200		64	192	304	1,600	2,160	12.3	5.7	81.250	175.500	1	3	46	1,200	1,250	15.4	65.000
		1,600	1,200		64	192	304	1,600	2,160	11.4	5.3	87.500	189.000	1	3	46	1,200	1,250	14.3	70.000
		1,600	1,200		64	192	304	1,600	2,160	10.7	4.9	93.750	202.500	1	3	46	1,200	1,250	13.3	75.000
		1,600	1,200		64	192	304	1,600	2,160	9.4	4.4	106.250	229.500	1	3	46	1,200	1,250	11.8	85.000

TTL (w porch side), TTL

		dot	line			PORCH a (dot)	b (dot)	PORCH c (dot)	PERIOD d (dot)	1H (a+b+c+d) (dot)	1dot (μs)	1/H (ns)	1/dot (kHz)	(MHz)		PORCH w (H)	x (H)	PORCH y (H)	PERIOD z (H)	1V (w+x+y+z) (H)	1/V (ms)	(Hz)	
Macintosh™	13" Monitor	640	480		R•G•B	64	64	96	640	864	28.6	33.1	35.000	30.2400	TTL	3	3	39	480	525	15.0	66.670	TTL
	16" Monitor	832	624			31	65	224	832	1,152	20.1	17.5	49.693	57.246		1	3	39	624	667	13.4	74.502	
	19" Monitor	1,024	768			35	96	173	1,024	1,328	16.7	12.5	60.000	79.760		3	3	30	768	804	13.4	74.700	
	21" Monitor	1,152	870			36	128	140	1,152	1,456	14.5	10.0	68.887	100.300		3	3	39	870	915	13.3	75.287	
SUN	66Hz	1,152	900	0.7 Vp-p 75 Ω load		29	128	195	1,152	1,504	14.8	10.8	61.795	92.940		2	4	31	900	937	14.3	69.950	
	76Hz	1,152	900			16	96	208	1,152	1,472	13.9	9.5	71.713	105.561		2	8	33	900	943	13.1	76.048	
	84Hz	1,152	900			24	96	168	1,024	1,312	14.1	10.8	70.838	92.940		2	8	33	800	843	11.9	84.031	
DTV	480I	640	480		R.G.B/	–	–	–	–	–	–	–	15.734	–		–	–	–	–	–	–	59.940	
	480P	640	480			–	–	–	–	–	–	–	31.469	–		–	–	–	–	–	–	59.940	
	720P	1,280	720			–	–	–	–	–	–	–	44.955	–		–	–	–	–	–	–	59.740	
	1080I	1,920	1,080			–	–	–	–	–	–	–	33.716	–		–	–	–	–	–	–	59.940	

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- CRT/LCD
  LCD " CRT "

- 640 × 350 VESA VGA " 640 × 400"
- 1,600 × 1,200 VESA UXGA sampling 1,024

LCD
XG-NV6XM
PAL/SECAM/NTSC3.58/NTSC4.43/DTV 480P/DTV 720P/DTV 1080I
LCD ×3 RGB
LCD : 33mm (1.3″) (20.0 [H] × 26.6 [W] mm)
: TN
: TFT (Thin Film Transistor)
: 786,432 dots(1,024 [H] × 768 [V])
1-1.3× F1.7-2.3 f= 49.1-63.8mm
150W UHP
250: 1
RCA : 1.0Vp-p 75Ω
RCA : 0.5Vrms 22 kΩ
S- 4 DIN
Y : 1.0 Vp-p 75Ω
C : 0.286Vp-p 75Ω
BNC INPUT 1
Y: 1.0Vp-p 75Ω
PB: 0.7Vp-p 75Ω
PR: 0.7Vp-p 75Ω
520TV 750TV DTV 720P
2 W + 2 W
RGB 15 D-SUB INPUT 1, 2 5BNC INPUT 1
RGB 0-
0.7Vp-p , 75Ω
0.5Vrms 22kΩ
TTL

12—230 MHz
43—200 Hz
15—126 kHz
9 DIN RS-232C
1 $^{31}/_{32}$″ (5 cm) × 2
AC 110—120/220—240V
2.4A/1.2A
50/60Hz
265 W
+5℃ 40℃
−20℃ +60℃

I/R 38kHz
650 nm 1mW Class II
261 × 129 × 356 mm (W× H × D)
261 × 146 × 411.5 mm (W× H × D)
7.2 kg
AA 2 3.6m 3m BNC-
RCA 3 3m 1m
IBM PS/2 1m Mac 17cm
DIN-D-sub RS-232C 15cm
CD-ROM LCD LCD

IrDA
CLNS-0169CE01 RRMCG1535CESA AA
QCNW-5304CEZZ BNC-RCA
QPLGJ0107GEZZ QCNW-4870CEZZ
QCNW-5112CEZZ IBM PS/2
QCNW-5113CEZZ Mac QCNW-5114CEZZ
DIN-D-sub RS-232C QCNW-5288CEZZ
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PCAPH1056CESA CD-ROM LCD LCD

IrDA

LCD Liquid Crystal Display TFTs
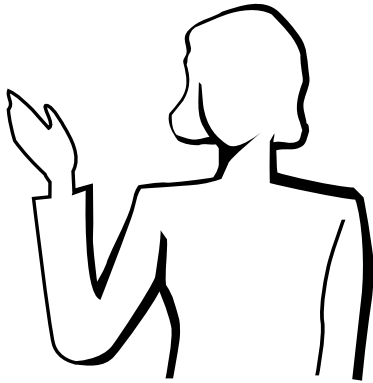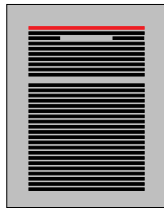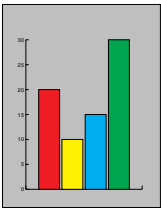786,432 × RGB
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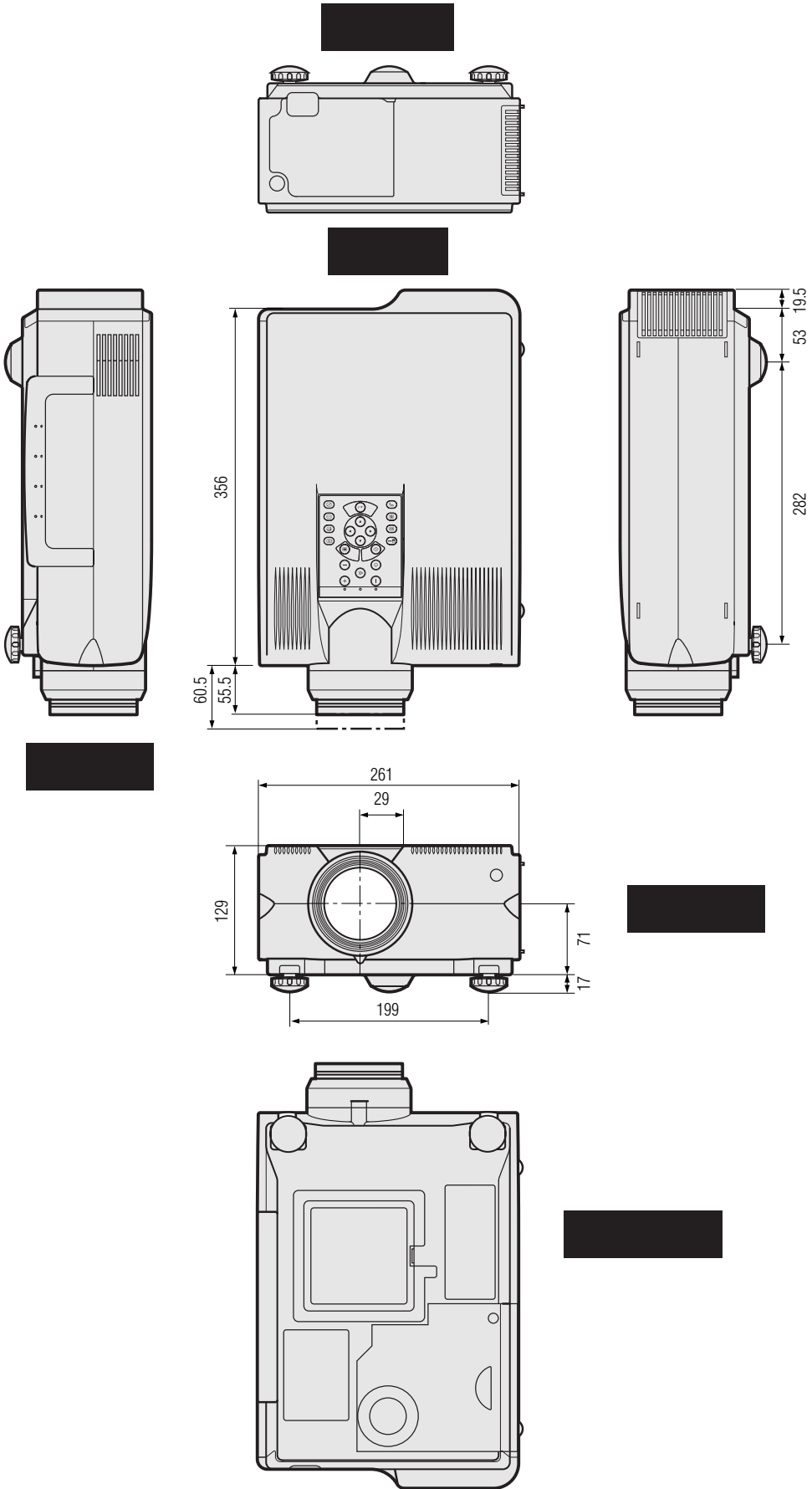
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• Macromedia
Director®

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• Astound® Freelance® Persuasion® PowerPoint®
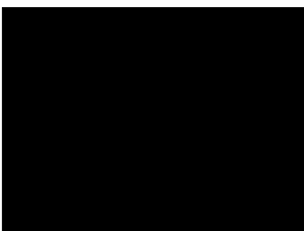Macromedia Director®

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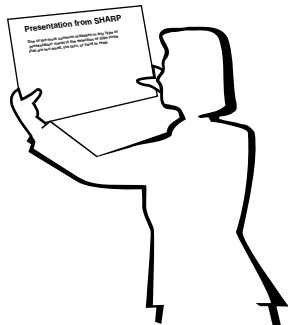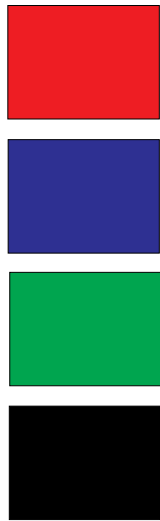
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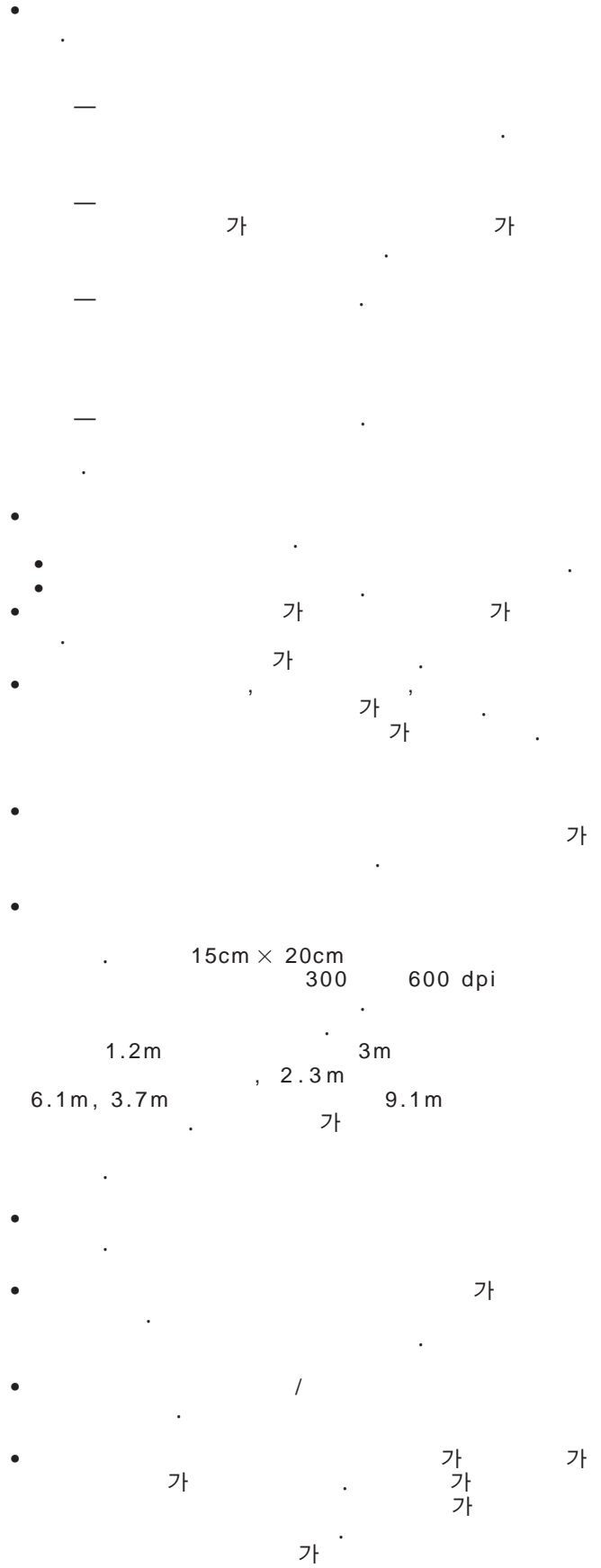
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GUI
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SHARP CORPORATION

Osaka, Japan