

Portable CD Player



Atrac3plus

"WALKMAN"

Sony Corporation



Sony Corporation

D-NE715



가

- 가
-

CE) EEA (

ATRAC CD Walkman

!

ATRAC CD ! 4

CD 6

ATRAC3plus ATRAC3 6

MP3 6

ATRAC3plus/ATRAC3 MP3 8

..... 9

..... 10

**CD ATRAC3plus/
ATRAC3/MP3**

1. CD 11

2. CD 11

3. CD 11

() 17

((ATRAC/MP3 CD)) 17

가 () 18

(MP3 CD (m3u)) 19

/ 20

(PGM) 21

G-PROTECTION 23

CD (CD) 23

ATRAC3plus/ATRAC3/MP3 CD 24

(SOUND) 24

(AVLS) 25

(HOLD) 25

..... 25

CD 26

..... 27

..... 29

가 30

..... 30

? 31

..... 34

..... 35

D-NE715

“ATRAC CD Walkman”

CD Walkman “ATRAC CD”

ATRAC CD

!

ATRAC CD

1, 2, 3

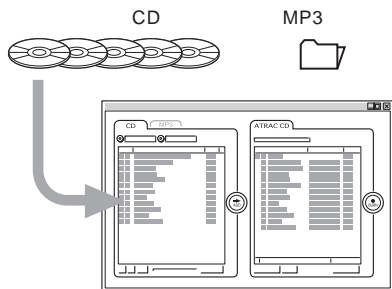
1

“SonicStage Simple
Burner”



2

PC
CD-R/RW



SonicStage Simple Burner
ATRAC3plus/ATRAC3

SonicStage Simple Burner

“SonicStage Simple Burner”

ATRAC CD

?

ATRAC CD 30 ATRAC3plus/ATRAC3 CD CD-R/RW

ATRAC3 MP3

* 1 CD()

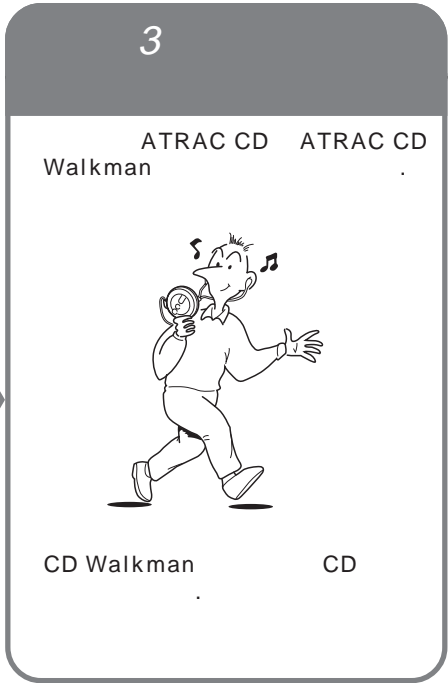
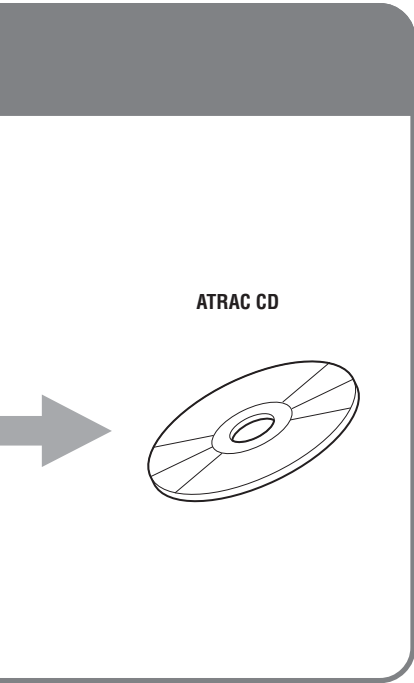
60 가

ATRAC3plus

48kbps

700 MB CD-R/RW

CD-R/RW
ATRAC3plus/



ATRAC3plus/ATRAC3

?

6-8

CD

- CD 37가 :
- CD
 - ATRAC3plus/ATRAC3
 - MP3

ISO 9660 Level 1/2, Joliet , .

ATRAC3plus ATRAC3

“ATRAC3plus” “Adaptive Transform Acoustic Coding3plus” ATRAC3
. ATRAC3plus
1/20 . 64kbps
48kbps가 .

“ATRAC3” “Adaptive Transform Acoustic Coding3”
. ATRAC3
1/10 . 132kbps,
105kbps, 66kbps가 .

가

- : 255
- : 999

“SonicStage Simple Burner” .

ATRAC3plus/ATRAC3
.

MP3

MP3 MPEG-1 Audio Layer3 ISO()
Motion Picture Experts Group
1/10 . MP3
가 / 가
MP3 .

- 가 : 8
- / :
- A-Z, a-z, 0-9, _()

- MP3 "mp3"
- ID3

- 가 : 100
- : 400

- CD MP3 : 16-320kbps
- MP3 : 32/44.1/48kHz. 가 (VBR) "44.1kHz", "128kbps",
- "halting of writing"
- "Disc at Once"

- MP3
- CD
- 가
- 가

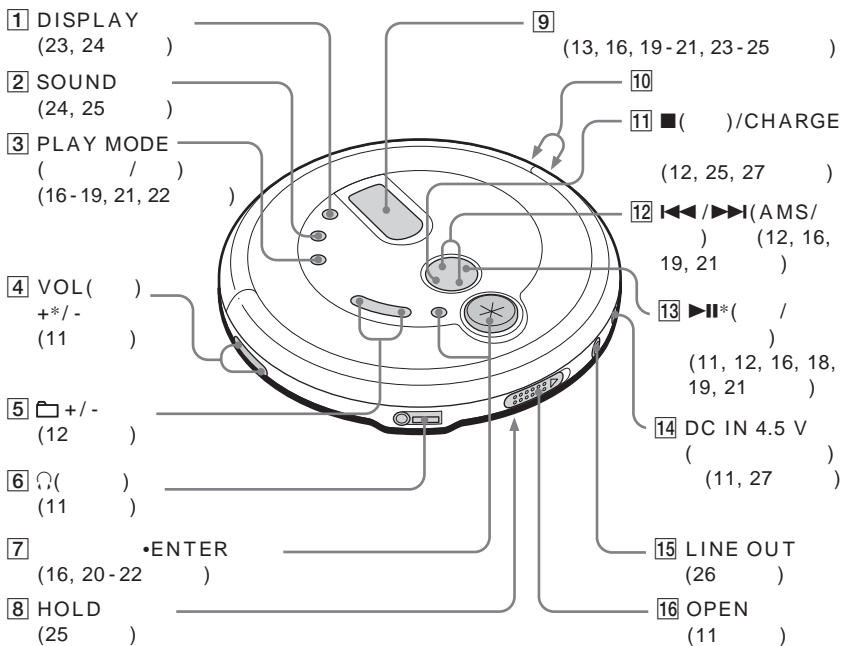
ATRAC3plus/ATRAC3 MP3

ATRAC3plus/ATRAC3
“ ” CD “ ” “ ” “ ”
“ ” 가 (“ ” “ ”).
CD MP3 가 “ ” ATRAC3plus/ATRAC3
MP3 CD-R/RW

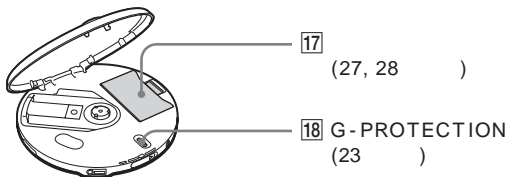
ATRAC3plus/ATRAC3 MP3 CD CD
, 가 , . CD ID3 * 1.1/2.2/2.3
*ID3 MP3 (, , 가) 가

- CD CD-R/RW
- ATRAC3plus/ATRAC3 CD-R/RW
-

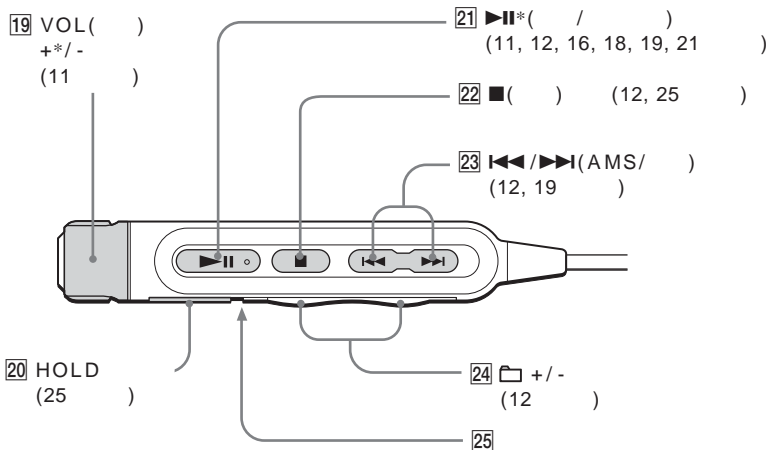
CD ()



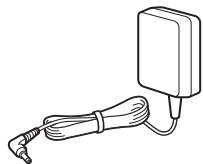
CD ()



()

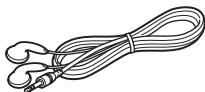


AC (1)



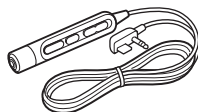
(2)

/ (1)



(1)

(1)



CD-ROM(SonicStage Simple Burner)(1)
 SonicStage Simple Burner 가 (1)

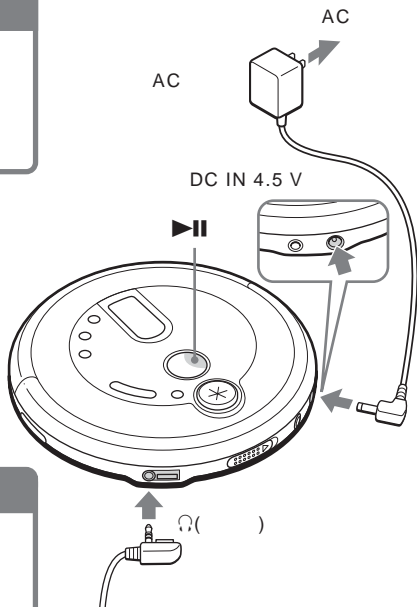
CD ATRAC3plus/ATRAC3/ MP3

1. CD

1 AC

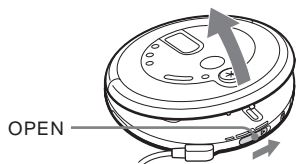
2 /

(27)

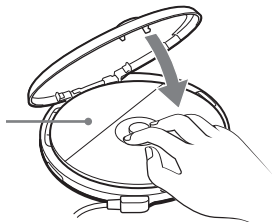


2. CD

1 OPEN



2 CD



3. CD

▶||

VOL + -

()	▶▶	.
()	CD	▶▶
/	▶▶	.
	■	*2
(AMS*1)	◀◀	*2
(AMS)	◀◀	*2, *3
(AMS)	▶▶	*2, *3
(AMS)	▶▶	*2, *3
	◀◀	*2
	▶▶	*2
*4	□ +	.
*4	□ -	.

*1 Automatic Music Sensor()

*2

*3 ▶▶

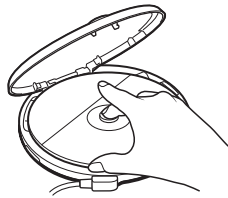
가

◀◀

*4 ATRAC/MP3 CD

CD

CD



CD-R/RW

CD

CD-DA

*

CD-R/RW

가

* CD-DA Compact Disc Digital Audio

CD

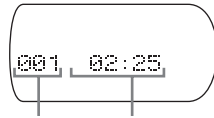
(CD)

CD

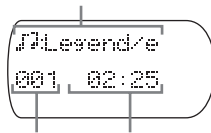
CD 가
DISPLAY
)

가 . (23 24

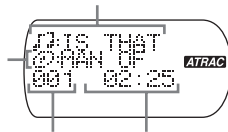
CD



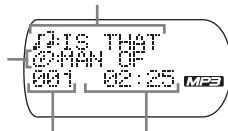
CD 가 CD



ATRAC3plus/ATRAC3



MP3



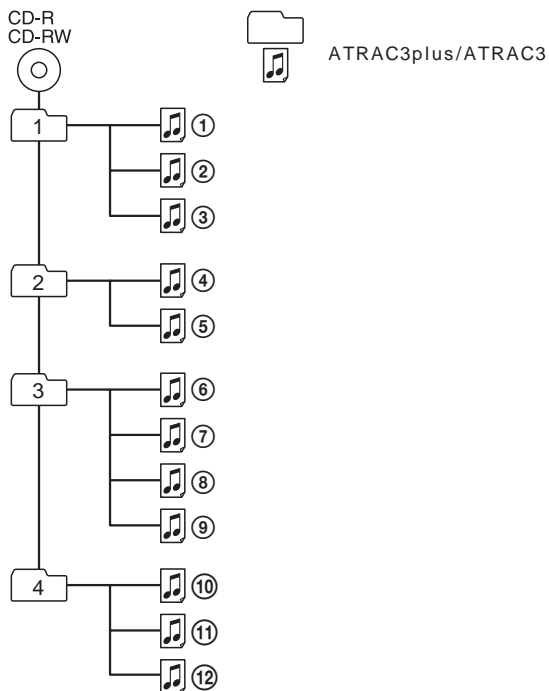
CD ATRAC3plus/ATRAC3/MP3

. CD CD

가 . "READING"

()

ATRAC3plus/ATRAC3



①, ②, ③...⑩, ⑫

ATRAC3plus/ATRAC3

ATRAC3plus/ATRAC3



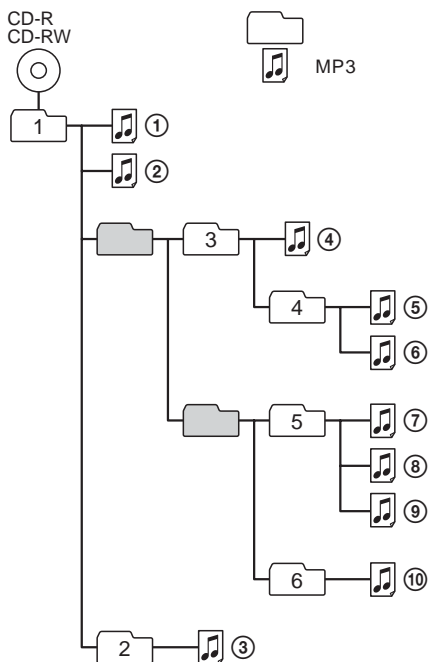
- : 255
- : 999

- CD
- ATRAC CD

A - Z, a - z, 0 - 9, _

“ ” “ ” “ ” “ ”

(MP3 CD)



①, ②, ③...⑨, ⑩

MP3

MP3

(: 3
CD

CD
⑤ ⑥

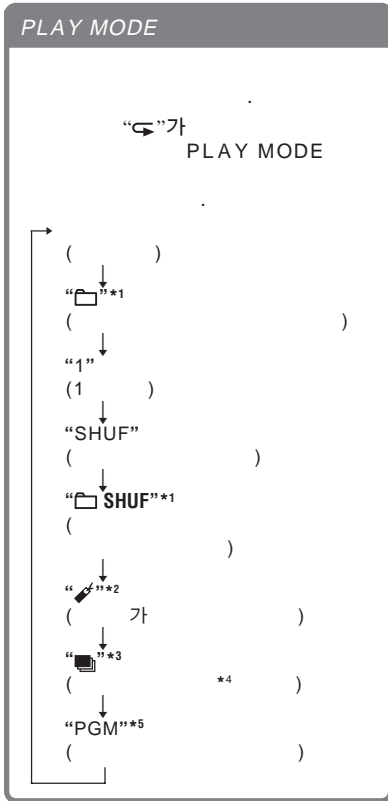
④
).

4

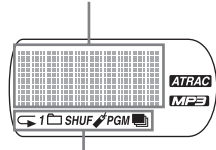
- MP3
- : 100
- : 400
- : 8
- CD A-Z, a-z, 0-9, _
- MP3 CD " " " " " " " "

PLAY MODE (/)

•ENTER, ◀◀▶▶, ▶▶



CD MP3 , ATRAC3plus/ATRAC3/MP3

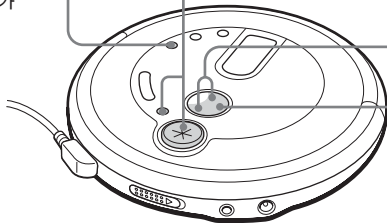


*1 ATRAC/MP3 CD
*2 / 가 가

*3 MP3 CD
*4 MP3 (m3u)

*5

“PGM”



()

“SHUF”

PLAY MODE

ATRAC3plus/ATRAC3/MP3

CD

CD

()

(ATRAC/MP3 CD)

“ SHUF”

PLAY MODE

ATRAC3plus/ATRAC3/MP3

CD

가 ()

CD 99 가 10 CD

ATRAC3plus/ATRAC3

CD 999 가 (5 CD).

MP3

CD 400 가 (10 CD).

1 가 가 “()”가 ▶▶

2 1 가 가 “” 가

1 가 “”가
2 ▶▶ PLAY MODE

“”가 가

“”가 ▶▶

“”가



• 가 가 가
• 11 CD(ATRAC CD 6 CD) 가
• CD

• 가
• “Lobatt”가 CD
가

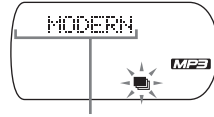
(m3u) (MP3 CD)

* "m3u" MP3 가 CD-R/RW MP3 m3u

1 MODE

"MP3"가

PLAY



2 << >>



3 >||

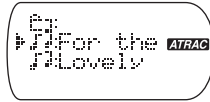


CD

2

CD

ENTER



“CANCEL”

ENTER

- 1 “:”가
- 2 “CANCEL”

ENTER
ENTER

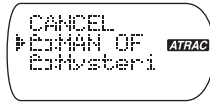
(ATRAC CD, MP3 CD)

- 1 “:”가
- 2 “:”

CD

ENTER

ENTER



CD 가 (AC)

“CANCEL”

ENTER



ATRAC MP3 CD 가 “401” 400 “101” 100 가

(PGM)

CD 64 (ATRAC/MP3 CD “ ”)

1 DISPLAY 가 “PGM”
PLAY MODE

CD



ATRAC/MP3 CD

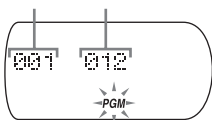


2 (⏪ ⏩)

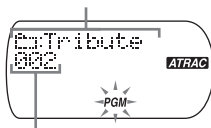
ENTER

가1 가

CD



ATRAC/MP3 CD*



* +

3 2

4 ⏸ ENTER

()

4

ENTER

DISPLAY

가

“PGM”

PLAY MODE

ENTER

ENTER

가



- 2 64
- 64

ATRAC3plus/ATRAC3/MP3

PGM

CD

가

64

G-PROTECTION

G-PROTECTION

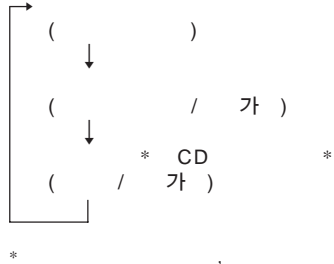
CD G-PROTECTION
"2" G-PROTECTION
"1"
CD G-PROTECTION
"1" CD
"2" G-PROTECTION
[Redacted]
- CD 가 :
- CD
- CD-R/RW

CD

(CD)

DISPLAY

CD CD



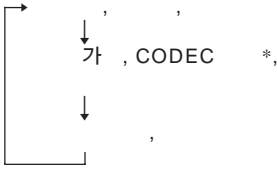
ATRAC3plus/ATRAC3/
MP3 CD

DISPLAY
ATRAC3/MP3

ATRAC3plus/
CD

ID3 가

DISPLAY



*가



- 가
- ID3 가
- "-----"가

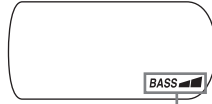
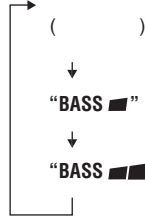
"ROOT"

(SOUND)

SOUND
■■■"

"BASS ■"

"BASS



가

"BASS ■■■"

"BASS ■"

SOUND

(AVLS)

AVLS(Automatic Volume Limiter System)

“AVLS ON” SOUND CD



AVLS “AVLS OFF”가 SOUND

SOUND AVLS 가 가

(HOLD)

CD

HOLD HOLD “HOLD” 가 HOLD CD HOLD 가 CD

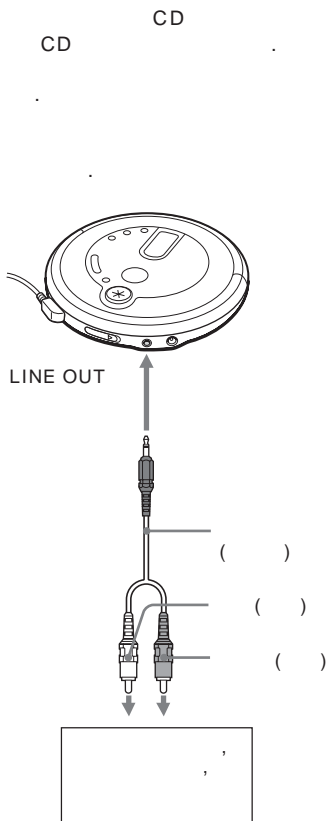
HOLD

CD /

1 CD (AC)

2 CD ■/CHARGE 1

가 ■/CHARGE ■



- CD 가
- AC 가 가
- 가
- 가
- 가
- G-PROTECTION
- SOUND CD
- G-PROTECTION "1"
- SOUND
- 가
- LINE OUT

- AC (“ CD ATRAC3plus/ATRAC3/MP3 ”)

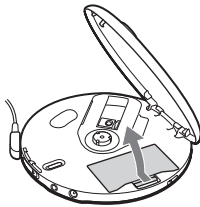
- LR6(AA)

CD

- NH-7WMAA
- NH-WM2AA(NH-WMAA × 2)

- LR6(AA)

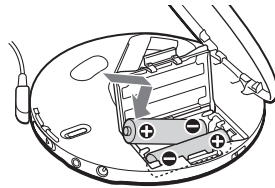
1 CD



2 ⊕

2

가



⊖

()

1 AC IN 4.5V CD AC DC

2 ■/CHARGE

CD

가



“Charging”

가

“Charging”



가

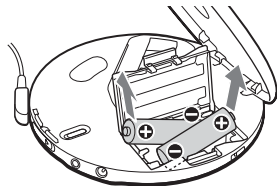
■/CHARGE



가

“FULL”

3 AC



()

가

가

“”가



Lo batt*

*



. 1

4 1



가



가

가

- AC

- 가

CD

AC

- AC
CD
AC-E45HG AC AC



- AC
- AC AC AC AC

- -
 -
 -
- 가

- -
 -
 -
- 가

-
- 가

▶ 가

• CD

• DC IN 4.5 V()

CD

• CD 가

CD

• CD

가 CD CD가

• CD

가

가

• CD

가

가

CD

• CD

)

CD

가

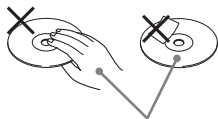
가

CD

• CD

가

• CD



• CD

CD

?



가 가 Sony

VOL+	→	“AVLS”	“AVLS
	→	OFF”가 SOUND	.(25
	→	() / LINE OUT	Ω
	→	() / LINE OUT	.(11) Ω
가	→	() / LINE OUT	.(11)
	→	가	.(11)
	→	CD	.(6)
	→	가	.(27)
	→	LR6(AA)	.(27)
	→	(27)	
“Lo batt”가	→	가	.(27)
CD가	→	LR6(AA)	.(27)
“HI dc In”	→	AC	“(35)
	→		AC
			.(11, 27)

()

가

CD	CD가	CD	→	. HOLD
,	"No disc"가	→ CD가	→	.(25)
		→ CD		
		(11)		
		→ CD		
		→		.(27)
		(27)		
		→ AC	AC	
		(11)		
		→ AC	1	▶▶
		→ CD-R/RW		
		→ CD-R/RW		가
		→ CD-R/RW		.(7)
"HOLD"가	CD	→	. HOLD	
		→	.(25)	
CD	VOL +/-	→ CD	가	
				.(26)
CD		→ CD	■/CHARGE	.(27
		→)		
		→ ■	. CD	■/CHARGE
		→	.(27)	
		→		
.()				▶▶
		가 CD		
		가	AC	
		→	.(11, 12, 27)	
CD		→		.(27)

ATRAC CD	MP3 CD	→ CD	ATRAC CD	MP3 CD
	CD가			
▶	CD	→ CD	ATRAC3plus/ATRAC3/MP3	
		→	CD-RW	
"NO FILE"		→ CD가		
CD		→ CD	가 CD	
CD가				
가	CD	→ CD		
LCD		→ CD	(40°C)	(0°C)
			가	
"  "가		→ CD	PLAY MODE	
		"  "가		

: GaAlAs
 : $\lambda = 780 \text{ nm}$
 :
 : $44.6 \mu\text{W}$
 (가 7 mm
 200 mm
 .)

D-A
1

20-20 000 Hz $_{-2}^{+1}$ dB(JEITA CP-307
)

(4.5 V)
 ()
 47 k Ω 0.7 V rms
 10 k Ω
 ()
 16 Ω 5 mW + 5 mW

- Sony NH-7WMAA 2 :
1.2 V DC \times 2
- Sony NH-WM2AA :
1.2 V DC \times 2
- LR6(AA) 2 : 1.5 V DC \times 2
- AC (DC IN 4.5 V):
U, U2, CA, CA2, E92, MX2, TW2,
CA2/C : 120 V, 60 Hz
CED, CED/4, CE7, CE7/C, EE, EE1, E,
E13, E13/2 : 220-230 V, 50/60 Hz
CEK : 230 V, 50 Hz
AU2 : 240 V, 50 Hz
EU8, EU8/C, JE.W, E18, KR4, EE8 :
100-240 V, 50/60 Hz
HK4 : 230 V, 50 Hz
CNA : 220 V, 50 Hz

*1()
 (CD)
 CD

Sony *2) 2	NH-7WMAA(2	
G-PROTECTION		
	"1"	"2"
CD	19	17
ATRAC3plus*3	30	30
MP3*4	27	27

Sony)	LR6(SG)(
G-PROTECTION		
	"1"	"2"
CD	55	50
ATRAC3plus*3	95	95
MP3*4	85	85

*1 JEITA(Japan Electronics and Information
Technology Industries Association)

*2

*3 48 kbps 64 kbps
 *4 128 kbps

5°C -35°C

(w/h/d)
 ()
 136.0 \times 28.7 \times 136.0 mm
 ()
 199 g

가 Dolby Laboratories

가

AC	AC - E45HG
	SRS - Z1
	DCC - E345
	DCC - E34CP
	CPA - 9C
	NH - WM2AA
	MDR - E931LP
	MDR - EX71SL
	MDR - Q55SL

가

가

<http://www.sony.net/>

Sony Corporation Printed in Malaysia



* 3 2 5 3 1 2 5 6 3 * (1)