

*CD Radio
Cassette-Corder*

CFD-S20CP

“OPERATE” :
“POWER” :



CLASS 1 LASER

CLASS 1 LASER PRODUCT

CD	MP3 4
	 8
	 10
	 12

CD

 14
 15
() 16

() 17
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() 17
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 19
 20

 21
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 22
--	----------

 23
--	----------

가

 25
--	----------

? 27
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 29
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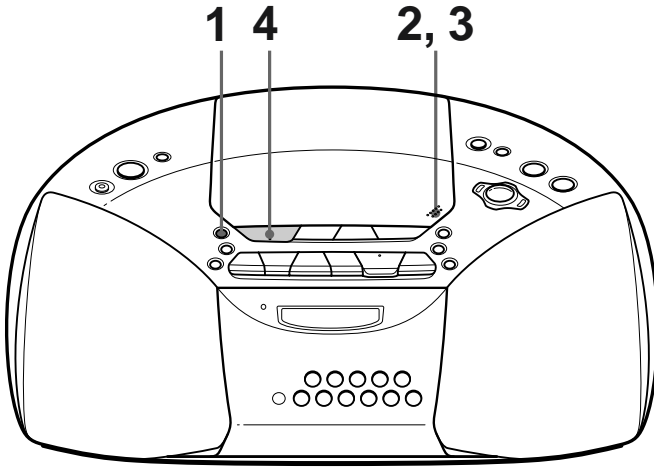
 30
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“MP3” 31
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 33
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CD

MP3



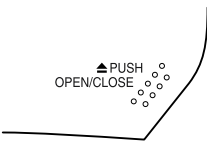
(23)

1

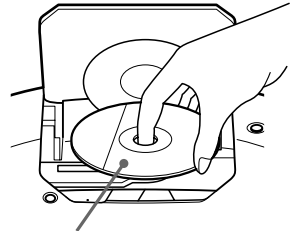


CD

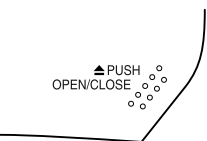
2



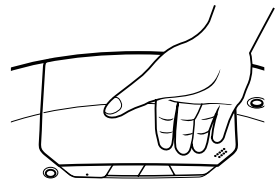
▲ PUSH OPEN/CLOSE
CD CD CD



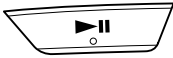
3



CD

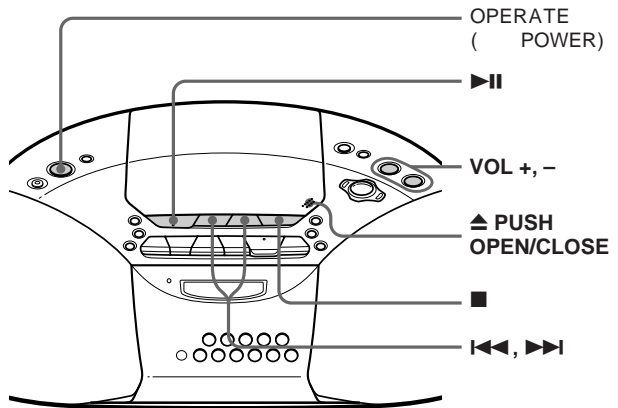
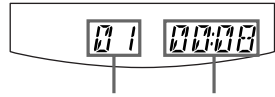


4



MP3
6

CD



() .

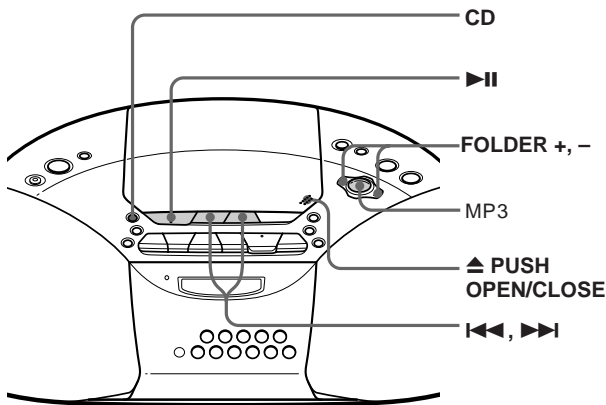
가



		VOL +*, -
		■
		▶ *()
		▶▶
		◀◀
CD **		▲ PUSH OPEN/CLOSE
	/	OPERATE (POWER, 2)

*
** CD

MP3 CD



1 CD

2 ▲ PUSH OPEN/CLOSE CD CD (4).

3 CD

4 >||
MP3 CD MP3
MP3 CD MP3



FOLDER - FOLDER + 가
(FLDR -) FLDR +

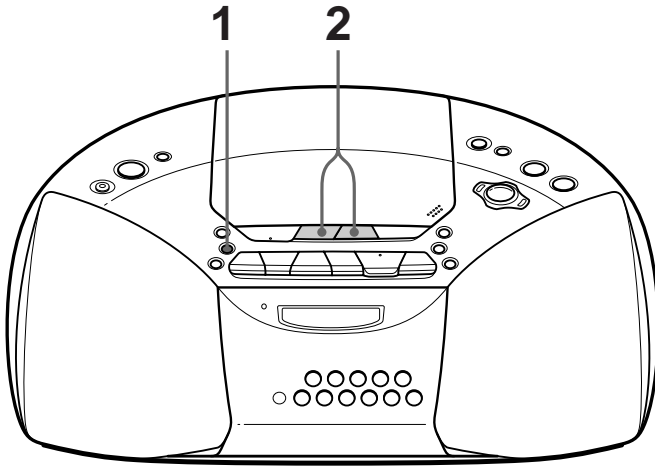
>>|| 가 <<||

CD

1
가
"Reading"

5

CD
가

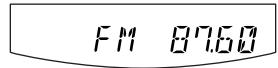


(23)

1

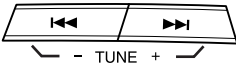
RADIO BAND
AUTO PRESET 

가
RADIO BAND•AUTO
PRESET



:
: “FM” → “MW” → “LW”
: “FM” → “AM”

2



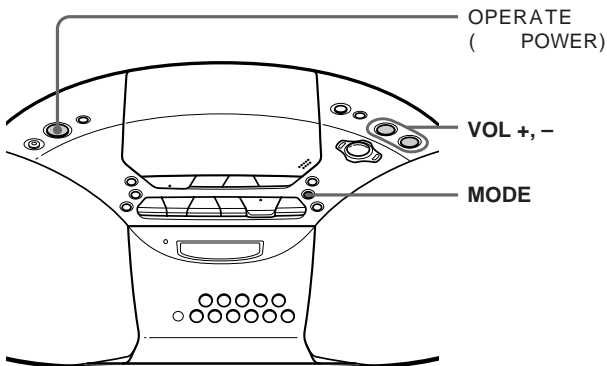
가
TUNE + -

FM



TUNE + -

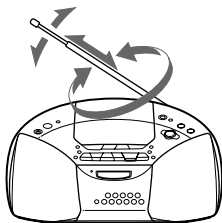
- FM 가 "Mono" MODE 가 가
- AM/MW 23



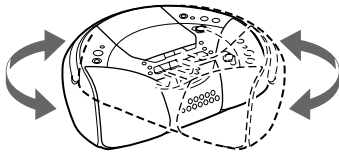
		VOL +*, -	
/		OPERATE(POWER,	2)

*VOL +

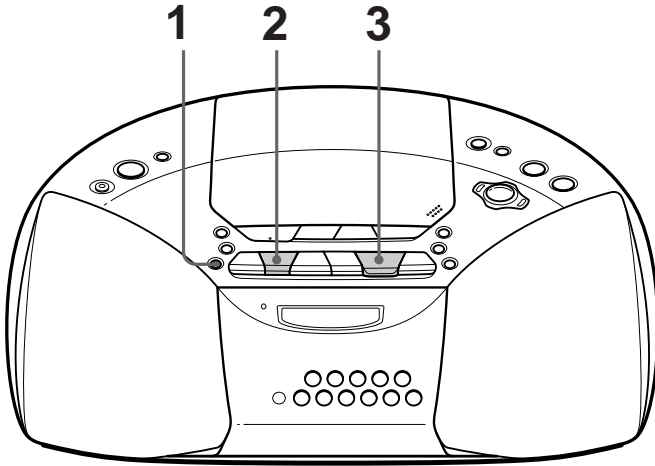
FM . AM MW/LW



FM



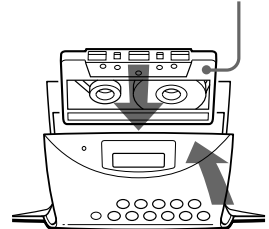
AM/MW/LW

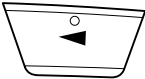



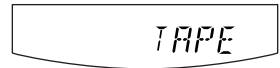
(23)

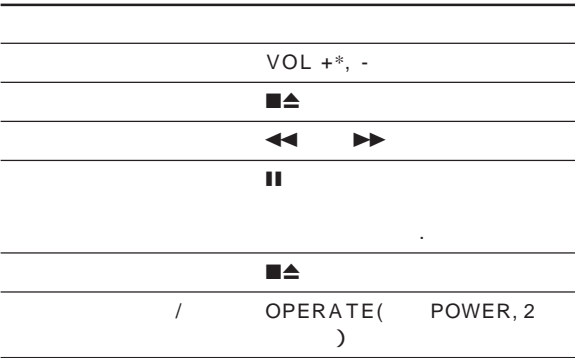
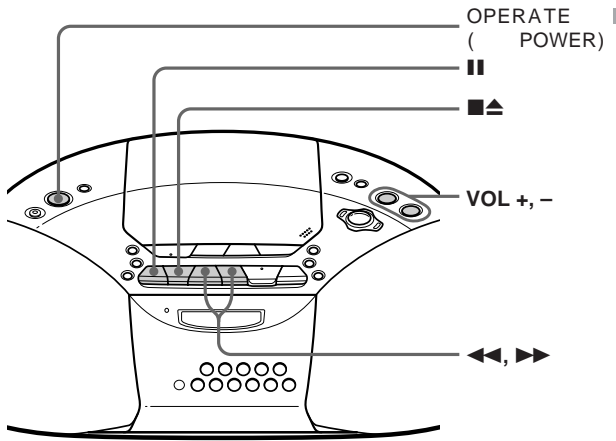
1 TAPE  TAPE

2   . TYPE I ()

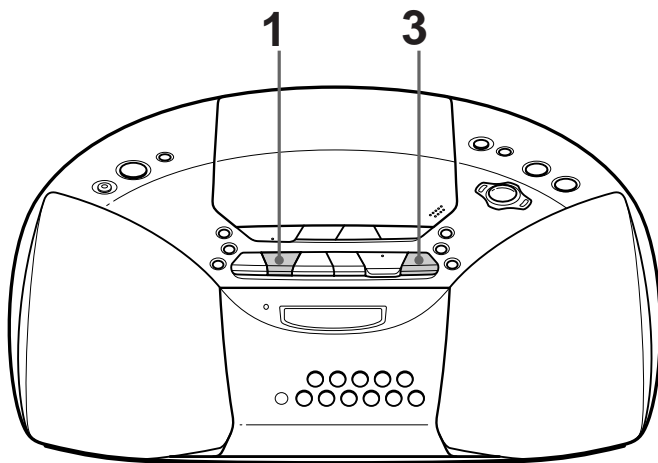


3  





*VOL+ ◀

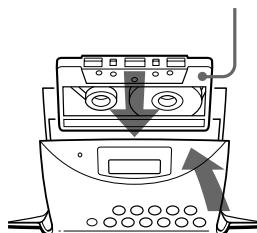


(23)

1



. TYPE I ()



2

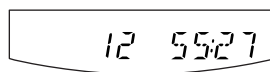


CD

(4

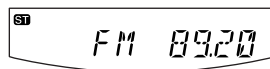
) CD

CD

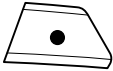


(8

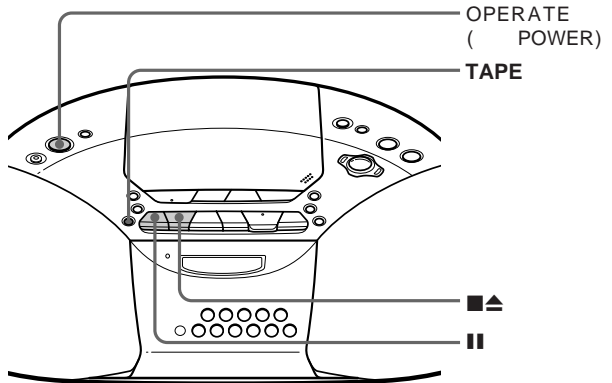
).



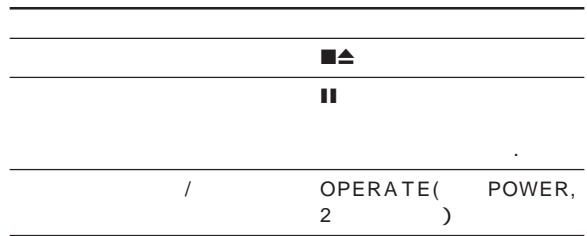
3



).



- (21)
- 3 ●
AM MW/LW
가 가
MODE
가 ISS
(Interference Suppress Switch)



1

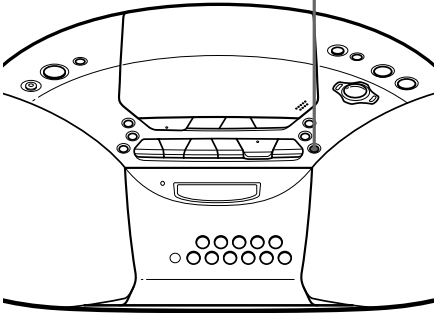
2 TAPE

3 ●

CD

CD

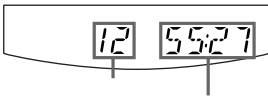
DISPLAY
ENT
MEMORY



CD

CD

CD



CD

DISPLAY•ENT•MEMORY

:



CD

MP3

CD

CD

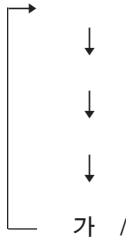
CD



MP3
MEMORY

DISPLAY•ENT•

:



가 /

**

ID3:

/

*

*

“Root”가

**

ID3 가

“No

Title” “No Artist”, “No Album”

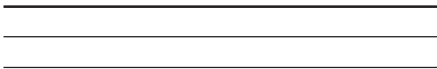
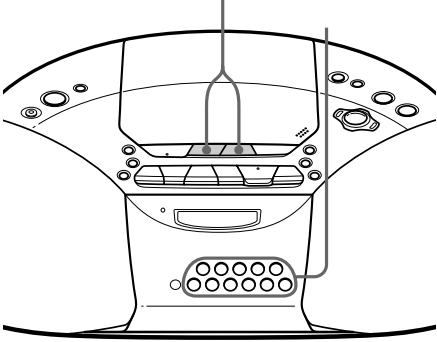


CD

CD

- 10
- >10
- :
- 2 3
- 23
- >10
- 100
- >10

⏮, ⏭



⏮ () ⏭ ()

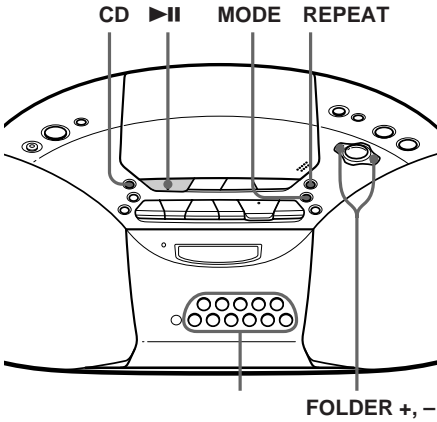


⏮ () ⏭ ()

-
- "SHUF" "PGM" ■

CD

()



-
- 1 (18)
 - 3)
 - 2 "PGM REP"가 REPEAT
-
- 3 ►||
-
- 1 (18)
 - 3)
 - 2 "FLDR PGM REP"가 REPEAT
-
- 3 ►||
-

"REP"가 REPEAT

MP3
"REP ALL" CD
(255)

1 CD

"CD"가

2

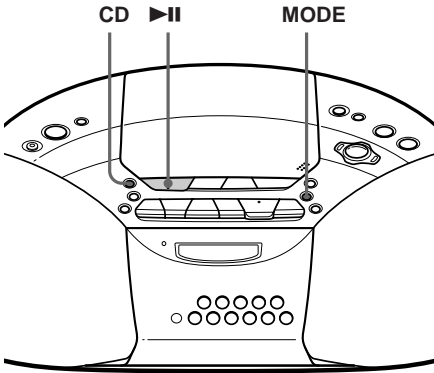
-
- 1 "REP 1" REPEAT
 - 2

-
- CD 1 "REP ALL" REPEAT
 - 2 ►||

-
- (MP3 CD) 1 "REP FLDR" REPEAT
 - 2 FOLDER + FOLDER -
 - ||

-
- 1 (17)
 - 3)
 - 2 "SHUF REP"가 REPEAT
-

()



1 CD

“CD”가

2

MODE

“SHUF”

3

▶||

“SHUF”가

MODE

MP3

CD

(255

◀◀

()

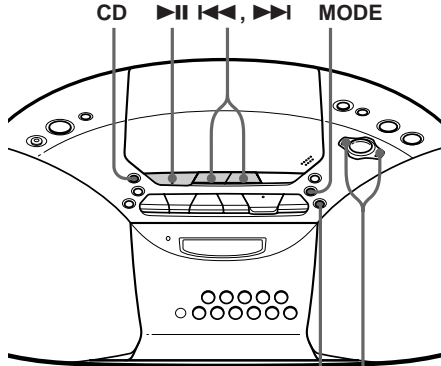
CD

20

. MP3

20

().



1 CD

“CD”가

2

MODE

“PGM”

(MP3 CD)
FLDR”

“PGM
MODE

CD

() ()

CD

CD

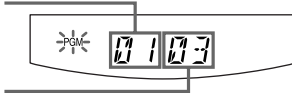
3 ◀▶, FOLDER + -

* DISPLAY •
ENT•MEMORY

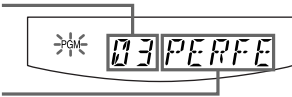
• CD

*

CD()



MP3 CD()



MP3 CD()



4 ▶||

“PGM”

MODE

DISPLAY•ENT•MEMORY

가

가

1 RADIO BAND•AUTO PRESET

2
3

2

10

>10

2

(: 12

2

2

>10

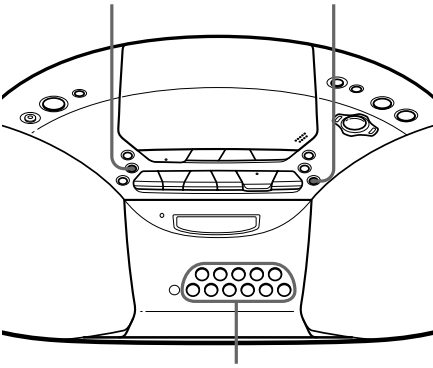
1

.)

MW LW 10 . FM 20 40
()
FM 20 AM 10
()

RADIO BAND
AUTO PRESET

DISPLAY
ENT
MEMORY

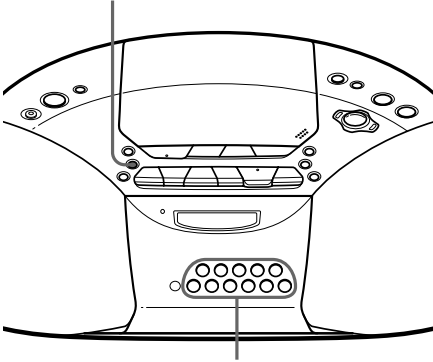


1 RADIO BAND•AUTO PRESET

2 “AUTO”가
RADIO BAND•AUTO PRESET

3 DISPLAY•ENT•MEMORY

RADIO BAND
AUTO PRESET



1 RADIO BAND•AUTO PRESET

2

10

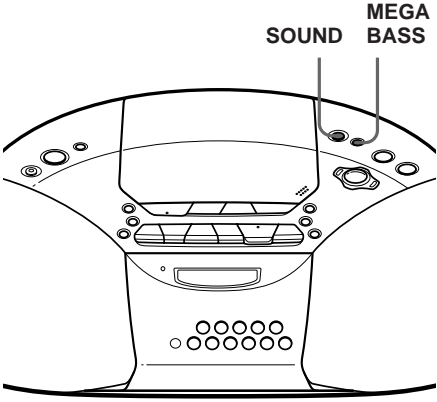
>10

(: 12

2

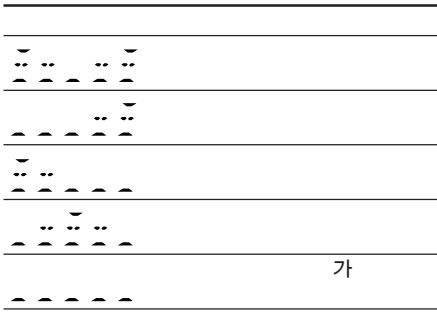
.)

>10 1



SOUND MEGA BASS

SOUND



가

MEGA BASS

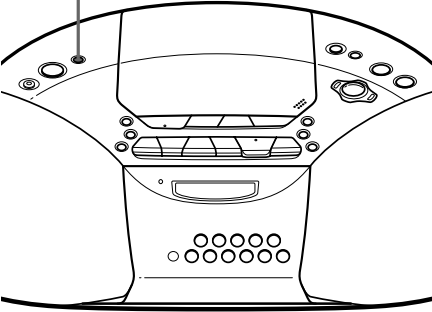
“MEGA BASS”

가

OPERATE(POWER)

10 20, 30, 60, 90, 120

SLEEP



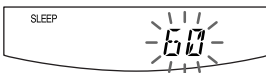
가 가

1

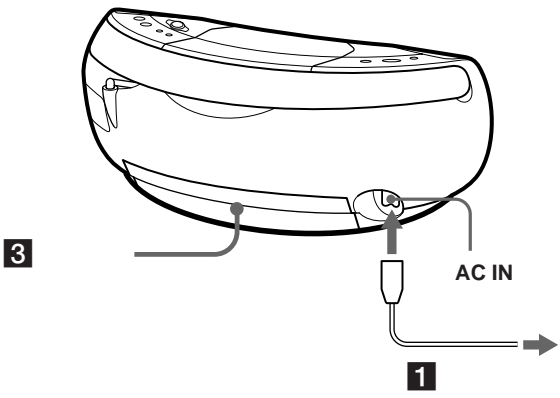
2 SLEEP "SLEEP"

3 SLEEP

"60" → "90" → "120" → "OFF" →
"10" → "20" → "30".



SLEEP 4

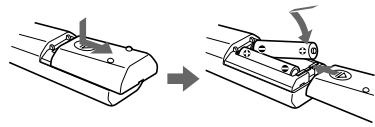


1

AC IN

2

R6(AA) () 2



6

AM/MW
AM/MW

1 “AM” “MW”가 RADIO BAND•AUTO PRESET

2 DISPLAY•ENT•MEMORY 2

3 RADIO BAND•AUTO PRESET

2
“AM 9” “MW 9” “AM 10” “MW 10”
가

4 TUNE + - 9 kHz

“AM 9” “MW 9” 10 kHz

“AM 10” “MW 10”

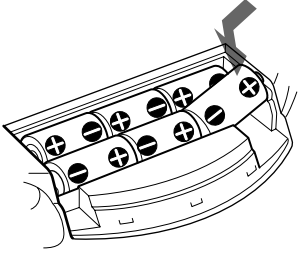
5 DISPLAY•ENT•MEMORY

AM/MW

()

3

R20(D) ()
) 6



OPR/BATT

•
CD
•

• CD

• 가

• (가)
가

• AC

(“ ”)

• AC ()

• 6 R20(D)

• 가

• 10 mm 가

가

가
가
CD 가
가
1 CD

Sony

가

()

CD

•

CD

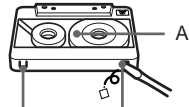
CD



•

B

A



B

A

90

가

•

LP

• CD

가

가

• CD

CD

•

CD

CD

가

?

-
- 가
-

“BATT” “ERROR”

- 가
- 가

-
-

가

- 가 가
- 가 가

CD

CD가 “no DISC”가

- CD
- CD-R/CD-RW

- CD-R/CD-RW
- CD-R/CD-RW

- CD-R/CD-RW

가

CD가

- CD
- CD
- CD
- CD

CD

- “CD”가

가

- CD CD가

- CD-R/CD-RW 가 가

“NOT MP3”가

- MP3 가 “mp3” (31)

“NOT MP3” “LAYER 1” “NOT MP3” “LAYER 2”가

- MPEG 1 Audio Layer 1 2 MP3(MPEG 1 Audio Layer -3) (31)

“no MP3”가

- MP3

가

- 가

- AM TV MW/LW 가 가

TV

- TV 가 FM TV

? ()



가

REC ●

(29

- 가
- TYPE II()
- TYPE IV()
- TYPE I()

가

가 /

(29)

(29)

가

- TYPE II()
- TYPE IV()
- TYPE I()



가

가

가

가

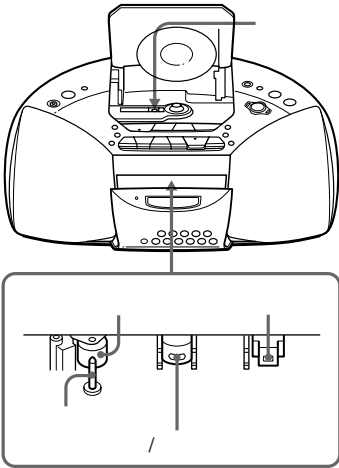
가 Sony

가

가 CD 가
가

10

가



CD

: GaAlAs
 : 780 nm
 :
 : 44.6 μW
 (7 mm
 200 mm)

200 r/min(rpm)~500 r/min(rpm)(CLV)

2

20 - 20 000 Hz +1/ - 2 dB

FM	87.5 - 108 MHz
MW	531 - 1 611 kHz(9 kHz) 530 - 1 610 kHz(10 kHz)
LW	153 - 279 kHz
FM	87.5 - 108 MHz
AM	531 - 1 611 kHz(9 kHz) 530 - 1 610 kHz(10 kHz)

IF

FM: 10.7 MHz
 AM/MW/LW: 450 kHz

FM:
 AM/MW/LW:

4 2

120 s() Sony C - 60

TYPE I(): 80 - 10 000 Hz

: 10 cm
 3.2 Ω, (2)

()

16 - 68 Ω

4.6 W

CD :
 :
 220 V AC, 60 Hz
 :
 230 V AC, 50 Hz
 9 V DC, 6 R20(D)
 :
 3 V DC, 2 R6(AA)

AC 20 W

CD :
 FM

Sony R20P: 13.5

Sony LR20: 20

Sony R20P: 7.5

Sony LR20: 15

CD

Sony R20P: 2.5

Sony LR20: 7

386 × 166 × 252 mm(w/h/d)()

3.3 kg()

(1)

(1)

가

Sony MDR

“MP3”

MP3 ?

MP3(MPEG 1 Audio Layer -3)

가 1/10
가

“MP3” 가

MP3

가
CD-R CD-RW

가
ISO 9660 Level 1/2 Joliet

MP3

가
가

- : 8
- / :
A-Z, a-z, 0-9, _()
- : 3
64

• “mp3”

• MP3 “mp3”

가 가
가 가

• ID

- 가 / : 255
- : 255

- MP3 “44.1 kHz”, “128 kbps”, “”

• “ ”

- “Disc at Once”

MP3 가

MP3

가

MP3 MP3

MP3

“MP3” ()

“ID3”

ID3 MP3 () 가) 가

CD ID3 1.1
ID3 가
“ ” “ 가 ” “

1.1 ID3

가

? 27

[Redacted]

21

[Redacted]

CD 4
ID3 14, 32
MEGA BASS 21
MP3

[Redacted]

[Redacted]

17

20

7

19

17

14

31

19

16

MP3
SOUND 21

8

10

19

[Redacted]

CD 4
23

23

16

23

23

30

24

23

[Redacted]

[Redacted]

25

22

5

29

21

15

17

29

[Redacted]

14

29

14

29

17

29

9

