

**Pioneer** *sound.vision.soul*

---



Multi-CD      FM/AM  
DSP      CD/MP3/WMA/AAC

# DEH-P9850BT

**SUPER TUNER III**  **D**

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**01**

- ..... 6
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- WMA ..... 7
- AAC ..... 7
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14

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- ..... 90
- ..... 90
- ..... 91
- ..... 92



가 가 가 가 가 가 가 가

: -10 ℃ ~ +60 ℃ (14 ℉ ~ 140 ℉)  
 EN300328 ETC : -20 ℃ +55 ℃  
 (-4 ℉ 131 ℉)

가 가 가 가 가 가 가 가

CD  
 CD/CD-R/CD-RW

MP3  
 CD-ROM/CD-R/CD-RW(ISO9660 1/  
 2 ) MP3

가 가 가 가 가 가 가 가

<http://www.mp3licensing.com>.

WMA  
 CDROM/ CD-R/CD-RW (ISO9660 1/  
 2 ) WMA

AAC  
 CDROM/ CD-R/CD-RW (ISO9660 1/  
 2 ) AAC

WAV  
 CDROM/ CD-R/CD-RW (Linear PCM(LPCM) /  
 ADPCM ) WAV

### AAC

AAC Advanced Audio Coding  
MPEG 2 MPEG 4

AAC 가

iTunes version 4.8  
AAC iTunes Apple  
Computer, Inc. 가

iPod  
iPod (CD-IB100)  
(Dock Connector) iPod  
• iPod Apple Computer, Inc.

### Bluetooth



PC, 2.4 GHz 가  
1998 Ericsson  
Inc., Intel Corp., Nokia Corp., Toshiba, IBM  
Special Interest Group (SIG)  
2000

Bluetooth SIG, Inc가  
가  
가

### WMA



Windows Media™

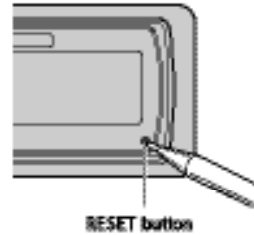
WMA  
WMA Windows Media™ AUDIO  
가  
WMA  
7



• WMA  
• WMA  
가  
• WMA  
가

- 
- 
- (ERROR) 가

RESET



1. SOURCE
2. Language select ( )  
MULTI-CONTROL

3. MULTI-CONTROL  
PHONE reset( )  
PHONE reset

4. MULTI-CONTROL  
CLEAR memory YES 가  
가

5. MULTI-CONTROL  
(PHONE Book)  
(Call History)  
가

- 가 5
- 85
- 85

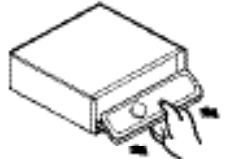


- 가
- 가
- 
- 가

1. EJECT

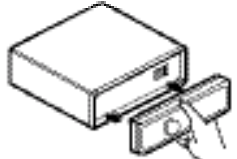


2.



3.

2.



가 가

ON/OFF (ACC) 가

(Reverse) 가

30 10 가

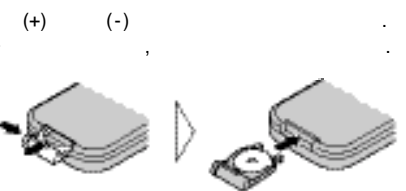
가 ACC ON BAND 가

BAND

가 ACC ON 가

가 DISPLAY , DISPLAY 가

가



• CR2025 (3V)

FUNCTION AUDIO

FUNCTION AUDIO

FUNCTION AUDIO MULTI-CONTROL

FUNCTION

FUNCTION ( : CD )

FUNCTION

Play mode( ) - Random mode( ) - Scan mode( ) - Pause( ) - Search mode( ) - TitleInput( ) - Jacket art( )



20 CD

AUDIO

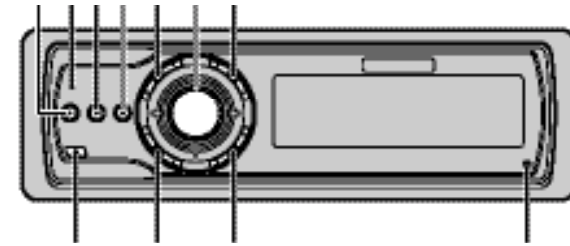
AUDIO

AUDIO

Fader ( ) - Position ( ) -  
 TA Mode (Time Alignment ) - Time  
 Alignment (Alignment ) - Loudness ( ) -  
 Powerful ( ) -  
 FREQ. (16- ) -  
 Subwoofer1 ( ON/OFF) - Subwoofer2  
 ( ) - Subwoofer3 ( )  
 ) - Front HPF ( )  
 ) - Front HPF FREQ. ( ) - Rear HPF ( )  
 ) - Rear HPF FREQ. ( ) - BBE (BBE) - COMP/BMX ( )  
 BMX) - Auto EQ ( ON/OFF) -  
 SLA ( ) - AUI sound level ( )



71



EQ

RESET

BAND  
 3 FM AM

SOURCE

DISPLAY 가

CLOCK

EJECT  
 CD CD

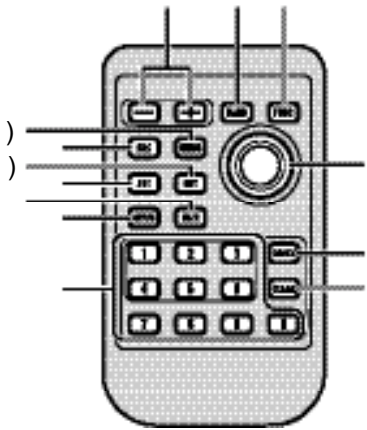
PHONE 가

MULTI-CONTROL

MULTI-CONTROL

VOLUME

LIST FUNCTION



ON HOOK  
가

ATT  
90%

) ENTERTAINMENT

) AUDIO

Joystick

, MULTI-CONTROL

DIRECT

CLEAR  
0-9

0-9

. 1-6  
-CD

OFF HOOK  
가

SOURCE

CD  
(19 )

SOURCE

SOURCE

Tuner( ) - Television( ) - DVD  
 player/Multi-DVD player - Built-in CD  
 player( CD ) - Multi-CD player -  
 iPod - External unit 1( 1) - External  
 unit 2( 2) - AUX1 - AUX2 -  
 TelePHONE( ) - BTAUDIO(BT )



가  
가

-DVD 가

-CD  
-DVD

-AUX( )가 OFF (85)

-BT 가 OFF (87)

가  
( )

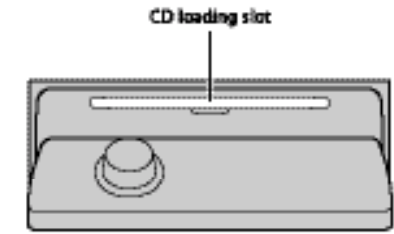
2  
1" " 2'가

1. EJECT

CD 가  
CD , SOURCE CD

2. CD

CD-ROM  
, BAND 29



CD EJECT



CD  
cm 8-cm CD 12-  
8-cm CD

CD CD





• CD 가

Format Read가

• 가

EJECT

• CD 가

EJECT

CD

• ERROR-11 , 93

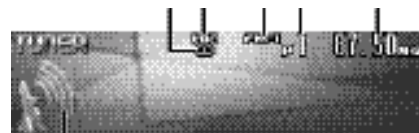
CD

MULTI-CONTRL

MULTI-CONTROL

VOLUME

SOURCE



AM (84 )

(OO) 가

LOC

BAND

가 ( ), FM, AM

PRESET

가 가

1. SOURCE

Tuner가 SOURCE

2. BAND

(FM-FM1, FM2, FM3 AM) BAND

3. MULTI-CONTROL

가 가

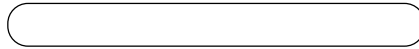
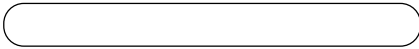
4. MULTI-CONTROL 1

가

MULTI-CONTROL

MULTI-CONTROL

MULTI-CONTROL



1. MULTI-CONTROL FUNCTION, AUDIO ENTERTAINMENT가

2. FUNCTION CONTROL MULTI-

3. MULTI-CONTROL MULTI-CONTROL

BSM ( ) - Local ( ) 가 BAND



30

6 가

1. LIST

2. MULTI-CONTROL

가 가

30

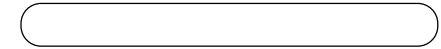
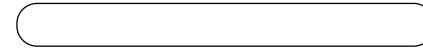


• FM 6 18 FM , 6 AM

• 1-6

BSM (best stations memory) 가 가 6 1-6

1. BSM MULTI-CONTROL BSM



2. BSM MULTI-CONTROL

Searching 가 6 Searching 가 1-6

MULTI-CONTROL

3. CONTROL MULTI-

MULTI-CONTROL



BSM , 1-6

1. 가 LIST

2. CONTROL MULTI-

MULTI-CONTROL

30



가 MULTI-CONTROL

1-6

(Local Seek Tuning)

1. LOCAL MULTI-CONTROL Local

2. CONTROL MULTI-CONTROL ( : LOCAL 2)가

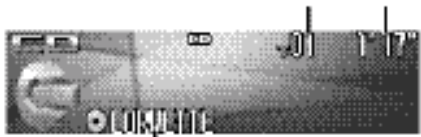
CONTROL MULTI-

3. MULTI-CONTROL

FM 4 , AM 2

FM: LOCAL 1-LOCAL 2-LOCAL 3-LOCAL 4 AM: Level 1-Level 2 LOCAL 4 가

CD



CD CD

가

1. CD

Compact Disc 가

Disc( CD )

(14)

2. MULTI-CONTROL

Rough search CONTROL

10

SOURCE

SOURCE

Compact

MULTI-

(21)

3. MULTI-CONTROL

MULTI-CONTROL

MULTI-CONTROL



CD TEXT

ON

. 87

1. DIRECT

2.

CLEAR

3. DIRECT



8

가

CD



가

1. CONTROL FUNCTION, AUDIO MULTI- ENTERTAINMENT가

2. FUNCTION CONTROL MULTI-

3. MULTI-CONTROL

MULTI-CONTROL

Play mode ( ) - Random mode ( ) - Scan mode ( ) - Pause ( ) - Search mode ( ) - Title Input ( ) - Jacket art ( )

가 BAND



• CD TEXT

• CD-TEXT (CD-DA)

(29)

• 30

CD Disc repeat( ) Track repeat( ) 가

1. Play mode MULTI-CONTROL Play mode가

2. CONTROL MULTI- CONTROL 가 MULTI- CONTROL 가 MULTI- CONTROL • Disc repeat - • Track repeat -



Track repeat / 가 Disc repeat

1. Random mode MULTI-CONTROL Random mode가

2. CONTROL MULTI- CONTROL MULTI-CONTROL

CD

CD 10 / 10

1. Scan mode  
MULTI-CONTROL  
Scan mode가

2. MULTI-CONTROL  
CONTROL 10

3. MULTI-CONTROL  
CONTROL

MULTI-CONTROL 가 Scan mode



CD 10 가 , 10

CD

CD

1. Pause  
MULTI-CONTROL  
Pause 가

2. MULTI-CONTROL  
CONTROL  
MULTI-CONTROL

1. Search mode  
MULTI-CONTROL  
Search mode가

2. MULTI-CONTROL  
CONTROL

MULTI-CONTROL  
• FF/REV - /  
• Rough search - 10

10

1. Rough search

2. 10  
MULTI-CONTROL  
MULTI-CONTROL

가 , 10  
가 10

MULTI-CONTROL

10  
MULTI-CONTROL 가 , 10  
가 10  
MULTI-CONTROL

CD CD CD

48 CD  
10  
• CD TEXT

CD TEXT  
가

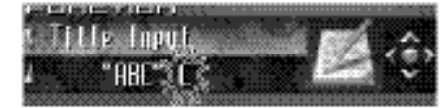
1. CD

2. Title Input  
MULTI-CONTROL  
Title Input

3. DISPLAY  
DISPLAY

( ) , ( ) -  
가 ( :e.g. á, à, â, ã, ç) -

4. MULTI-CONTROL  
CONTROL  
MULTI-CONTROL (A B C ...)  
MULTI-CONTROL



MULTI-CONTROL 가 , MULTI-CONTROL 가  
가 MULTI-CONTROL

6. MULTI-CONTROL

MULTI-CONTROL

7. BAND



• 48 가  
가  
• -CD 100  
• -CD

24 가 24

DISPLAY  
DISPLAY

30 가 가  
DISPLAY

CD 가

CD TEXT  
CD-TEXT

CD TEXT

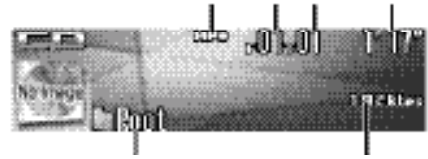
DISPLAY  
DISPLAY

CD TEXT 가

1. LIST  
2. MULTI-CONTROL

MULTI-CONTROL  
30 가

MP3/WMA/AAC/WAV



CD MP3/WMA/AAC/WAV

MP3/WMA/AAC/WAV  
26

MP3/WMA/AAC/WAV

1. CD SOURCE  
Compact Disc가 SOURCE  
가  
Compact Disc( CD )  
. (14 )

2. MULTI-CONTROL  
MP3/WMA/AAC/WAV  
01 (ROOT) 가 BAND  
01(ROOT)  
02

3. MULTI-CONTROL  
Rough search CONTROL , MULTI-CONTROL  
10  
(27 )

4. MULTI-CONTROL  
MULTI-CONTROL , MULTI-CONTROL

• MP3/WMA/AAC/ WAV 가  
CD-EXTRA MIXED-MODE CD  
(CD-DA) , BAND  
MP3/WMA/AAC/WAV CD-DA  
가

• MP3/WMA/AAC/WAV

• CD CD-ROM  
MP3/WMA/AAC/WAV  
(95 가 )



- VBR(Variable Bit Rate: 가 )
- VBR(Variable Bit Rate: 가 ) MP3 (bit rate value ) (VBR )
- VBR(Variable Bit Rate: 가 ) WMA
- MP3/WMA/AAC/WAV

ON 87

1. DIRECT
2. CLEAR 0-9
3. DIRECT

### CD (MP3/WMA/AAC/WAV)



1. MULTI-CONTROL FUNCTION, AUDIO ENTERTAINMENT가
  2. MULTI-CONTROL
  3. MULTI-CONTROL
- Play mode ( ) - Random mode ( ) - Scan mode ( ) - Pause ( ) - Search mode ( ) - Jacket art ( ) 가 BAND



- 30

MP3/WMA/AAC/WAV , Folder repeat( ), Track repeat( ) 가

1. Play mode MULTI-CONTROL Play mode가
2. MULTI-CONTROL 가 MULTI-CONTROL
  - Folder repeat -
  - Track repeat -
  - Disc repeat -



- Disc repeat 가
- Track repeat / 가 Folder repeat
- Folder repeat

CD Folder repeat Disc repeat

- 1.
2. Random mode MULTI-CONTROL Random mode가

3. MULTI-CONTROL

MULTI-CONTROL

Folder repeat

Disc repeat

1.

2. Scan mode  
MULTI-CONTROL  
Scan mode가

3. MULTI-CONTROL  
CONTROL  
( )  
10

4. ( )  
MULTI-CONTROL

( )  
MULTI-CONTROL  
가 Scan  
mode



10

10 가

, 10

### MP3/WMA/AAC/WAV

MP3/WMA/AAC/WAV

1. Pause  
MULTI-CONTROL  
Pause가

2. MULTI-CONTROL  
CONTROL

MULTI-CONTROL

1. Search mode  
MULTI-CONTROL  
Search mode가

2. MULTI-CONTROL  
CONTROL

CONTROL  
• FF/REV - /  
• Rough search - 10

1. Rough search

2. 10  
MULTI-CONTROL

10  
, MULTI-CONTROL  
가  
가 10  
MULTI-CONTROL  
10  
, MULTI-CONTROL  
가  
가 10  
MULTI-CONTROL

### MP3/WMA/AAC/WAV

MP3/WMA/AAC/WAV

MP3/WMA/AAC

DISPLAY  
DISPLAY

MP3/WMA/AAC  
가  
가

iTunes MP3 가  
WMA Media Player Windows  
가

WAV  
DISPLAY  
DISPLAY  
WAV 가  
16, 22.05, 24, 32, 44.1 48 kHz (LPCM),  
22.05 44.1 kHz (MS ADPCM)  
WAV



•MP3, WMA, AAC , WAV

가 ON  
.87

( )

1. LIST

LIST  
/ - -

2. MULTI-CONTROL ( )

( )

MULTI-CONTROL

( ) MULTI-CONTROL 가 (1)

/ 가 100 /

30 가

### CD-ROM

CD-ROM 가

가

• CD-ROM

<http://www.pioneer.co.jp/car/pclink4/indexe.html>

•ROOT ( 15 ROOT )

.97

MP3/WMA/AAC/WAV

CD-ROM

• 15

• 가 40 가

• MIXEDMODE CD 가

• 가

1. Jacket art

MULTI-CONTROL

Jacket art가

2. MULTI-

CONTROL

MULTI-CONTROL

가

가

• 가 15 가

• 가

1. LIST

LIST

/ - -

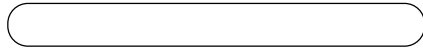
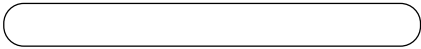
2. MULTI-CONTROL

3. MULTI-CONTROL

MULTI-CONTROL

30 가





가



가

/

( 47 )  
 AUTO가

( 47 )  
 REF가



가 가



가 ACC ON

가

가 10

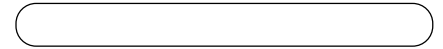
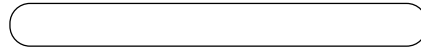
가

가

가

- GAP (Generic Access Profile)
- SDP (Service Discovery Protocol)
- OPP (Object Push Profile)
- HSP (Head Set Profile)
- HFP (Hands Free Profile)

가



가

2.

37

3.

가

가

가

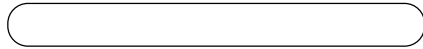
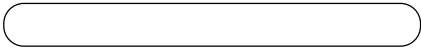
SOURCE (0 ),

Telephone SOURCE

PHONE Telephone

1.

35



1. CONTROL MULTI-  
 1-10 0-9 1-10

35

가

2. MULTI-CONTROL  
 OFF HOOK

가  
 1. DIRECT 0-9

2. JOYSTICK

3. OFF HOOK

45

1. Voice dial BAND

Voice dial Voice dial ON

No voice

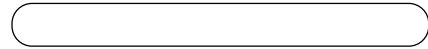
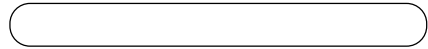
dial

2.

43

40

45



Telephone 가  
 가

, 47

1. 가 MULTI-CONTROL  
 OFF HOOK

가

2. PHONE

ON HOOK

, 47

가 , PHONE

가

ON HOOK

44

가 가 ,  
 가 가

1. CONTROL MULTI-  
 ON HOOK

MULTI-CONTROL

2. PHONE

PHONE

가

ON HOOK

PHONE

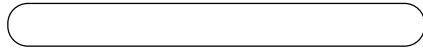
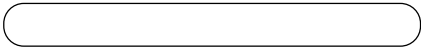
가

가

가

PHONE

ON HOOK



- 가
- 1. MULTI-CONTROL  
FUNCTION, AUDIO ENTERTAINMENT가
- 2. FUNCTION CONTROL MULTI-CONTROL
- 3. MULTI-CONTROL MULTI-CONTROL
- MULTI-CONTROL

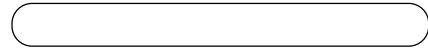
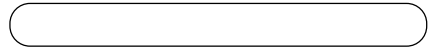
Disconnect phones ( ) - Set phones ( ) - Delete phones ( ) - Phones book transfer ( ) - Number dial ( ) - Refuse calls ( ) - Auto answer ( ) - Ring tone ( ) - Auto connect( ) - Echo cancel( ) - Device INFO. ( )

Disconnect phones ( ) - Delete phones ( ) - Phones book transfer ( ) - Phones book name view ( ) - CLEAR memory ( ) - Number dial ( ) - Refuse calls ( ) - Auto answer ( ) - Ring tone ( ) - Auto connect( ) - Echo cancel( ) - Telephones icon ( ) - Device INFO. ( )

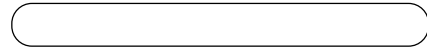
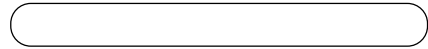
HSP (Head Set Profile)  
Phones book name view, CLEAR memory, Number dial, Refuse calls  
가 BAND

Search & connect ( ) - Connection open ( ) - Connect phones ( ) - Delete phones ( ) - Phones book transfer ( ) - Refuse calls ( ) - Auto answer ( ) - Ring tone ( ) - Auto connect( ) - Echo cancel( ) - Device INFO. ( )

가 가



- HFP , HSP
- 가
- Connection open
- 1. Connection open MULTI-CONTROL  
Connection open
- 2. MULTI-CONTROL  
Always waiting
- 3. Search & connect MULTI-CONTROL  
Search & connect가
- 2. MULTI-CONTROL  
, Searching 가 , 0000  
)가 Name Not Found( 88 PIN  
, Not Found가
- 3. MULTI-CONTROL  
CONTROL
- 4. MULTI-CONTROL  
, connecting ( BT )  
, Connected가  
0000  
88  
PIN



1. Disconnect phone  
MULTI-CONTROL  
Disconnect phone

2. MULTI-CONTROL  
Disconnected가

1. Set PHONE  
MULTI-CONTROL  
Set phone

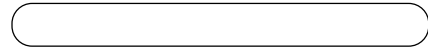
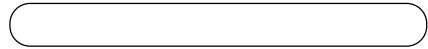
2. MULTI-CONTROL  
MULTI-CONTROL

PHONE1 ( 1) - PHONE2 ( 2) - PHONE3 ( 3) - Guest1 ( 1) - Guest2 ( 2)  
가 가

, No data가  
BD(Bluetooth Device)  
MULTI-CONTROL

3. MULTI-CONTROL  
Reg. completed가

1. Delete phone  
MULTI-CONTROL  
Delete phone



2. MULTI-CONTROL  
MULTI-CONTROL

PHONE1 ( 1) - PHONE2 ( 2) - PHONE3 ( 3) - Guest1 ( 1) - Guest2 ( 2)  
가 가

, BD (Bluetooth Device)  
MULTI-CONTROL

3. Delete YES MULTI-CONTROL  
Delete YES가 가  
가

4. MULTI-CONTROL  
가 Deleted가

1. Connect phone  
MULTI-CONTROL  
Connect phone

2. MULTI-CONTROL  
MULTI-CONTROL

PHONE1 ( 1) - PHONE2 ( 2) - PHONE3 ( 3) - Guest1 ( 1) - Guest2 ( 2)  
가 가

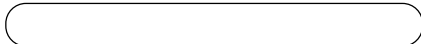
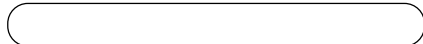
, BD (Bluetooth Device)  
MULTI-CONTROL

3. MULTI-CONTROL  
Connecting  
Connected가

(Automatic Connection)

가

BT



1. Auto connect  
MULTI-CONTROL  
Auto connect가

2. MULTI-CONTROL

ON

MULTI-CONTROL



•

•

•

가

1. Phone book transfer  
MULTI-CONTROL

Phone book transfer 가

2. Phone book transfer book transfer  
가 MULTI-CONTROL

Transfer가  
(Telephone) 가  
PHONE

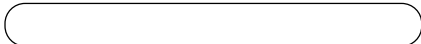
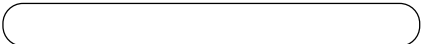
3.

가

가

4. Data transferred가

150 , 1 300 , 2  
3 50 500



1. Phone name view  
MULTI-CONTROL  
Phone book name view가

2. MULTI-CONTROL  
Inverted가  
MULTI-CONTROL

1. LIST

2. MULTI-CONTROL

MULTI-CONTROL  
가  
MULTI-CONTROL

3. MULTI-CONTROL

가 ( : " B " )  
" Ben ", " Brian ", " Burt ).

MULTI-CONTROL

4. MULTI-CONTROL

5. MULTI-CONTROL

( )

DISPLAY

가  
MULTI-CONTROL

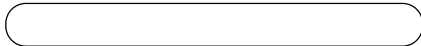
MULTI-CONTROL

6. MULTI-CONTROL

7. 가 PHONE

( ) 가  
가 : Home,  
Mobile, Office, Others.

1. LIST



2. MULTI-CONTROL

2 5

3. MULTI-CONTROL

Edit genre가

4. MULTI-CONTROL

MULTI-CONTROL

Home ( )?Mobile ( )?Office ( )?  
Others ( )

5. MULTI-CONTROL

가 가

1. LIST

2. MULTI-CONTROL

2 5

3. MULTI-CONTROL

Edit genre가

4. MULTI-CONTROL

MULTI-CONTROL

Edit genre ( ) - Edit name ( ) -  
Edit number ( ) -  
Edit icon ( ) - Clear memory  
( )

5. DISPLAY  
DISPLAY

( ), 가 ( : á, à, â, ç)

DISPLAY 가  
ISO8859-1 ( ) ISO8859-5 ( )

6. MULTI-CONTROL

(underbar) , “ - ”

7. MULTI-CONTROL  
가 , MULTI-CONTROL

MULTI-CONTROL

8. MULTI-CONTROL



1. LIST

2. MULTI-CONTROL

40  
2 5

3. MULTI-CONTROL

Edit genre가

4. MULTI-CONTROL

MULTI-CONTROL

Edit genre ( ) - Edit name ( ) -  
Edit number ( ) -  
Edit icon ( ) - Clear memory  
( )

5. MULTI-CONTROL

6. MULTI-CONTROL

7. MULTI-CONTROL  
가

1. LIST

2. MULTI-CONTROL

2 5

3. MULTI-CONTROL

Edit genre가

4. MULTI-CONTROL

MULTI-CONTROL

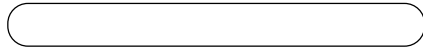
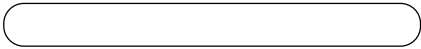
Edit genre ( ) - Edit name ( ) -  
Edit number ( ) -  
Edit icon ( ) - Clear memory  
( )

5. MULTI-CONTROL

MULTI-CONTROL

icon 1 ( 1) - icon 2 ( 2) - icon 3 ( 3) -  
icon 4 ( 4) - icon 5 ( 5)

6. MULTI-CONTROL



(92

1. LIST

2. MULTI-CONTROL

40  
2 5

3. MULTI-CONTROL

Edit genre가

4. MULTI-CONTROL

MULTI-CONTROL

Edit genre ( ) - Edit name ( ) -  
Edit number ( ) -  
Edit icon ( ) - Clear memory ( )

5. MULTI-CONTROL

CLEAR memory YES 가

CONTROL

6. MULTI-CONTROL

Cleared 가

가

10  
(Dial preset 1-10).

33

1. LIST

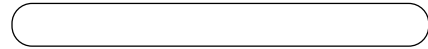
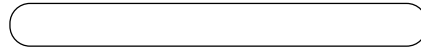
2. MULTI-CONTROL

40  
2 5

3. 0-9

가  
1 Dial preset 1 , 4  
Dial preset 4 . 0 Dial  
preset 10

50 ( 10 )



1. Clear memory

MULTI-CONTROL

Clear memory가

2. MULTI-CONTROL

DISPLAY

Phone book ( ) - Missed calls ( ) -  
Dialed calls ( ) - Received calls ( ) -  
Preset memory ( ) - All clear ( )

All clear

가

가

, Phone book

3. MULTI-CONTROL

Clear memory YES가

가

CONTROL

4. MULTI-CONTROL

Cleared가

가

가 ( ) ,  
10 가 Call History( )

가 ( )  
)

1. LIST

LIST

PHONE BOOK ( ) - MISSED ( ) -  
DIALLED ( ) - RECEIVED ( )

39

, No Data가

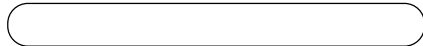
2. MULTI-CONTROL

MULTI-CONTROL

3. MULTI-CONTROL

MULTI-CONTROL

30



1. 10  
(Dial preset 1-10).
2. MULTI-CONTROL  
가  
가
3. MULTI-CONTROL
4. PHONE  
( )  
50 ( 10 )

1. MULTI-CONTROL  
MULTI-CONTROL  
가  
+  
가  
MULTI-CONTROL  
+가
2. MULTI-CONTROL
3. PHONE

- 1.
2. MULTI-CONTROL  
가
3. 0-9  
가  
가

1. Number dial  
MULTI-CONTROL  
Number dial  
DIRECT



2. MULTI-CONTROL  
MULTI-CONTROL 0 1 2  
... 9 + # \* \_  
\_ \* # + 9 ... 2 1 0  
0-9
3. MULTI-CONTROL  
가 , MULTI-CONTROL  
MULTI-CONTROL
4. MULTI-CONTROL  
가 , MULTI-CONTROL  
24
5. MULTI-CONTROL  
Dialing
6. PHONE  
( )

1. Ring tone  
MULTI-CONTROL  
Ring tone
2. MULTI-CONTROL  
CONTROL  
MULTI-CONTROL

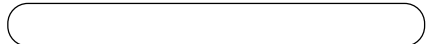
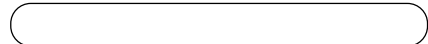
1. Echo cancel  
MULTI-CONTROL  
Echo cancel
2. MULTI-CONTROL  
CONTROL  
ON  
, MULTI-CONTROL

1. Ring tone  
MULTI-CONTROL  
Ring tone
  2. MULTI-CONTROL  
CONTROL  
MULTI-CONTROL
- OFF ( ) - Ring tone1 ( 1) -  
Ring tone2 ( 2) - Ring tone3 ( 3)



Ring tone3 ( )





1. Refuse calls  
MULTI-CONTROL  
Refuse calls

2. CONTROL  
ON  
CONTROL

MULTI-  
MULTI-

1. Telephone icon  
MULTI-CONTROL  
Telephone icon

2. MULTI-CONTROL  
MULTI-CONTROL

icon 1 ( 1 ) - icon 2 ( 2 ) - icon 3  
( 3 ) - icon 4 ( 4 ) - icon 5 ( 5 )

3. MULTI-CONTROL



(92

1. Auto answer  
MULTI-CONTROL  
Auto answer

2. CONTROL  
ON

MULTI-  
MULTI-CONTROL

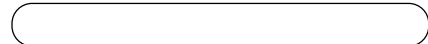
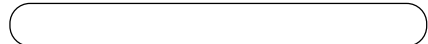
BD( )

48- 가  
12 16

BD



ON



BD

1. Delete phone  
MULTI-CONTROL  
Delete phone

2. MULTI-CONTROL  
MULTI-CONTROL

PHONE1 ( 1 ) - PHONE2 ( 2 ) - PHONE3 ( 3 ) - Guest1 ( 1 ) - Guest2 ( 2 )  
, No data 가

3. BD CONTROL  
12 16

MULTI-  
MULTI-CONTROL

4. 가 BAND

BD

1. Device INFO.  
MULTI-CONTROL  
( BT )

2. BD MULTI-CONTROL  
12- 16 가 MULTI-CONTROL

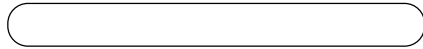
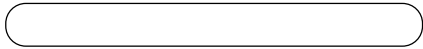


BD 가 MULTI-CONTROL

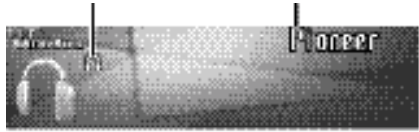
1. Device INFO.  
MULTI-CONTROL  
( BT )

2. MULTI-CONTROL  
( )

MULTI-CONTROL  
MULTI-CONTROL



BT  
( )



( )  
( )



A2DP AVRCP

( )

- A2DP (Advanced Audio Distribution Profile):  
가
- AVRCP (Audio /Video Remote Control Profile):  
가

1. (Activation)

( : )  
가

- 
- 

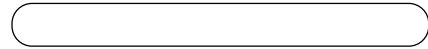
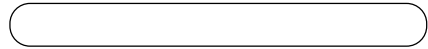
가

( )

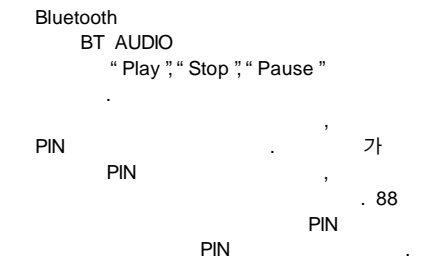
SOURCE  
BT AUDIO가 SOURCE

BT AUDIO 가  
BT 87 BT AUDIO

1. (Activation)  
BT AUDIO 87  
BT AUDIO



2. (Connection)



1. MULTI-CONTROL FUNCTION, AUDIO ENTERTAINMENT가

2. FUNCTION MULTI-CONTROL

3. Connection open MULTI-CONTROL

4. MULTI-CONTROL

Always waiting

5. , Connected가



• 30

### BT

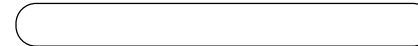
“ Play ”, “ Stop ”

1. MULTI-CONTROL FUNCTION, AUDIO ENTERTAINMENT가
2. FUNCTION CONTROL MULTI-CONTROL
3. MULTI-CONTROL MULTI-CONTROL

Disconnect audio ( ) - Play ( ) - Stop ( ) - Pause ( ) - Device INFO. ( )


가 A2DP , Disconnect audio Device INFO. , Connection open Device INFO. 가 , BAND

1. Play MULTI-CONTROL Play가
2. MULTI-CONTROL
1. Pause MULTI-CONTROL Pause 가
2. MULTI-CONTROL MULTI-CONTROL



1. Stop MULTI-CONTROL Stop
2. MULTI-CONTROL

2. BD CONTROL 12- 16 MULTI-CONTROL 가 MULTI-CONTROL



BD 가 MULTI-CONTROL 48

1. Disconnect audio MULTI-CONTROL Disconnect audio 가
2. MULTI-CONTROL Disconnect 가 가

1. Device INFO. MULTI-CONTROL ( BT )
2. MULTI-CONTROL ( ) MULTI-CONTROL MULTI-CONTROL

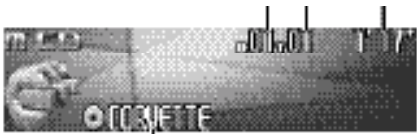
### BD

48- 가 12 16

BD

1. Device INFO. MULTI-CONTROL ( BT )

CD



CD

CD CD

가

가

1. -CD SOURCE Multi-CD가

SOURCE

2. MULTI-CONTROL

1-6

•1-6

•7-12

가

가

3. MULTI-CONTROL

4. MULTI-CONTROL

MULTI-CONTROL

MULTI-CONTROL



- -CD 가 Ready가
- ERROR-11 가 -CD
- -CD 가 No Disc가
- CD TEXT -CD CD TEXT

ON

. 87

1. DIRECT

2.

0-9

CLEAR

3. DIRECT



가 8

50- CD

50- CD

50- CD

, 34

CD



가

1. CONTROL FUNCTION, AUDIO MULTI-ENTERTAINMENT가

2. FUNCTION CONTROL MULTI-

3. MULTI-CONTROL MULTI-CONTROL

Play mode ( ) - Random mode ( ) - Scan mode ( ) - Pause ( ) - ITS play mode (ITS ) - ITS memory (ITS ) - Title Input( )

가 BAND



- CD TEXT -CD CD TEXT

TEXT

•30

-CD , Multi-CD repeat ( -CD  
) , Track repeat( ) , Disc  
repeat( ) 가 가

1. Play mode  
MULTI-CONTROL  
Play mode가

2. MULTI-CONTROL  
가 MULTI-CONTROL  
CONTROL 가 MULTI-CONTROL  
• Multi-CD repeat - -CD  
• Track repeat -  
• Disc repeat -



• Multi-CD repeat 가  
• Track repeat /  
가 Disc repeat

repeat Multi-CD repeat Disc

1.  
2. Random mode  
MULTI-CONTROL  
Random mode가

3. MULTI-CONTROL  
CONTROL Multi-CD repeat Disc  
repeat  
MULTI-CONTROL

CD  
Disc repeat ,  
Multi-CD repeat 10  
10

1.  
2. Scan mode  
MULTI-CONTROL  
Scan mode가  
3. MULTI-CONTROL  
CONTROL ( )  
10  
4. ( )  
MULTI-CONTROL

( ) 가  
MULTI-CONTROL Scan  
mode



CD

CD  
1. Pause  
MULTI-CONTROL  
Pause가  
2. MULTI-CONTROL  
CONTROL

MULTI-CONTROL

ITS  
ITS(instant track selection) -CD  
가 , ITS

ITS  
ITS 100 ( 99  
(CDX-P1250 CDX-P650  
CD ) 24

1. CD  
CD MULTI-CONTROL  
2. ITS memory  
MULTI-CONTROL  
ITS memory가

3. MULTI-CONTROL

4. MULTI-CONTROL  
Memory complete가  
가

5. BAND



100 가  
가

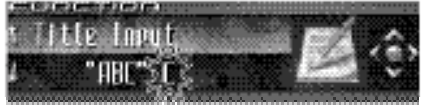

ITS  
ITS ITS ITS  
-CD ITS


1.  
2. ITS play mode  
MULTI-CONTROL  
ITS play mode 가  
3. ITS MULTI-CONTROL  
CONTROL Multi-CD repeat Disc  
repeat

ITS  
ITS Empty가  
ITS MULTI-CONTROL

ITS  
ITS  
2  
MULTI-CONTROL  
1. ITS  
CD  
ITS  
2. ITS memory  
MULTI-CONTROL  
ITS memory 가  
3. MULTI-CONTROL  
4. ITS  
MULTI-CONTROL  
ITS  
ITS  
ITS  
ITS Empty가  
5. 가 BAND  
ITS  
CD  
ITS  
CD  
1. CD  
MULTI-CONTROL  
2. ITS memory  
MULTI-CONTROL  
ITS memory 가

3. ITS  
CD  
MULTI-CONTROL  
CD  
Memory deleted가  
4. BAND  
CD  
CD  
ITS  
CD  
100  
10  
1. CD  
MULTI-CONTROL  
2. Title Input  
MULTI-CONTROL  
Title Input  
3. DISPLAY  
DISPLAY  
가  
( ), ( ) -  
가 ( :e.g. á, â, ã, ç) -

4. MULTI-CONTROL  
CONTROL  
MULTI-CONTROL  
가 (A B C ...)  
MULTI-CONTROL  
가  
  
5. MULTI-CONTROL  
가  
CONTROL  
가  
CONTROL  
가  
6. MULTI-CONTROL  
MULTI-CONTROL  
MULTI-CONTROL  
No D.  
Title  
가  
, No Disc가  
30  
가  
  
• 100  
가  
가

DISPLAY  
DISPLAY  
  
-CD  
1. LIST  
2. MULTI-CONTROL  
MULTI-CONTROL  
Title  
가  
, No Disc가  
30  
가  
CD  
CD TEXT  
-CD  
가  
CD  
CD TEXT  
CD TEXT

CD

DISPLAY  
DISPLAY



CD TEXT

가

24

가 24

30

가 가  
DISPLAY



(Ever Scroll)

ON

CD

가

. 87

CD TEXT

1.

LIST

MULTI-CONTROL

2.

CD TEXT  
MULTI-CONTROL

MULTI-CONTROL

No D.

Title

가

, No Disc가

가

3.

MULTI-CONTROL

가

MULTI-

CONTROL

4.

MULTI-CONTROL

MULTI-CONTROL

30

가

iPod



iPod

iPod

iPod

iPod

62

iPod

iPod

1.

LIST

2.

CONTROL

MULTI-

Playlists ( ) - Artists ( ) - Albums  
( ) - Songs ( ) - Genres ( )

MULTI-CONTROL

MULTI-CONTROL

MULTI-CONTROL

가

MULTI-CONTROL

MULTI-

CONTROL

30

1. iPod

SOURCE

iPod가

SOURCE

2.

MULTI-CONTROL

3.

MULTI-CONTROL

MULTI-

CONTROL

MULTI-CONTROL

1. LIST
2. MULTI-CONTROL

3. MULTI-CONTROL

4.

iPod

1. LIST
2. MULTI-CONTROL

Playlists ( )

3. CONTROL MULTI-

MULTI-CONTROL

#### 4. MULTI-CONTROL

, STOP

#### iPod

iPod

DISPLAY  
DISPLAY

Songs ( )



iPod 가



• DISPLAY

ON

. 87

#### iPod



가

1. CONTROL MULTI-  
FUNCTION, AUDIO ENTERTAINMENT가

2. FUNCTION MULTI-  
CONTROL

3. MULTI-CONTROL  
MULTI-CONTROL

Play mode ( ) - Shuffle mode ( )  
- Pause ( ) 가 BAND



30

iPod Repeat one ( ) Repeat all ( ) 가  
가 Repeat one

1. Play mode  
MULTI-CONTROL  
Play mode 가
2. MULTI-CONTROL 가 MULTI-CONTROL  
• Repeat one -  
• Repeat all -

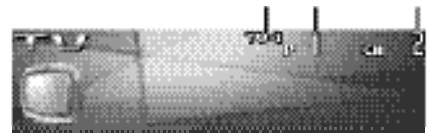
#### (Shuffle)

iPod Shuffle Songs ( ) Shuffle Albums( ) 가

1. Shuffle mode  
MULTI-CONTROL  
Shuffle mode 가
2. MULTI-CONTROL MULTI-CONTROL  
• Shuffle Songs -  
• Shuffle Albums -  
• Shuffle OFF -



- 1. Pause  
MULTI-CONTROL  
Pause가
- 2. MULTI-CONTROL  
CONTROL  
MULTI-CONTROL



- TV
- TV
- TV
- BAND  
TV 가 BAND( )
- PRESET  
가
- TV 가
- 1. TV SOURCE  
Television SOURCE
- 2. BAND  
TV-1 TV-2  
BAND

- 3. MULTI-CONTROL
- 4. (Seek Tuning)  
MULTI-CONTROL  
1 가  
MULTI-CONTROL  
MULTI-CONTROL  
CONTROL MULTI-

TV



1. MULTI-CONTROL  
FUNCTION, AUDIO ENTERTAINMENT가

2. FUNCTION CONTROL MULTI-CONTROL  
BSSM 가 BAND



30

1. LITS

12

가

2. MULTI-CONTROL

가 가

30



• TV 12 24  
• 1-6 1-6

1. FUNCTION BSSM MULTI-CONTROL  
MULTI-CONTROL

2. BSSM CONTROL MULTI-CONTROL  
Searching Searching

12 가

CONTROL MULTI-CONTROL

3. CONTROL MULTI-CONTROL

MULTI-CONTROL

30



P01-P12

BSSM

1. LIST

2. CONTROL MULTI-CONTROL

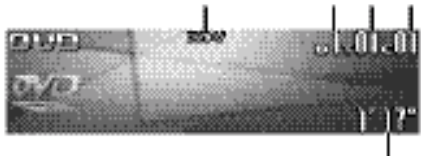
MULTI-CONTROL

30



• MULTI-CONTROL

• 1-6 1-6



1. DVD SOURCE -DVD  
 DVD가 SOURCE SOURCE

2. MULTI-CONTROL

3. / MULTI-CONTROL

-DVD DVD  
 -DVD DVD  
 DVD DVD  
 -DVD DVD DVD  
 DVD DVD

DVD-V/VCD/CD/MP3/WMA  
 가

• -DVD 가

CONTROL MULTI-

-DVD 가  
 / /  
 ), (MP3 WMA (DVD),  
 CD CD)  
 /  
 ( (DVD )  
 CD, CD, MP3 WMA )  
 가

• MP3/WMA DVD 가

MULTI-CONTROL

DVD



가

1. MULTI-CONTROL  
 FUNCTION, AUDIO ENTERTAINMENT가

2. FUNCTION MULTI-CONTROL

3. MULTI-CONTROL

MULTI-CONTROL

DVD CD :

Play mode ( ) - Pause ( )

CD :

Play mode ( ) - Random mode (

) - Scan mode ( ) - Pause (

) - ITS play mode (ITS ) - ITS memory

(ITS ) - Title Input ( )

MP3/WMA :

Play mode( ) - Random mode(

) - Scan mode( ) - Pause( )

가 BAND



-DVD  
 ITS play mode, ITS memo

• CD PBC

1. Play mode  
 MULTI-CONTROL  
 Play mode 가

2. MULTI-CONTROL  
 DVD 가 MULTI-

CONTROL MULTI-  
 • Disc repeat -  
 • Chapter repeat -  
 • Title repeat -  
 CD CD :  
 가 MULTI-

CONTROL MULTI-  
 • Disc repeat -  
 • Track repeat -  
 MP3/WMA :  
 가 MULTI-

CONTROL MULTI-  
 • Disc repeat -  
 • Folder repeat -  
 • Track repeat -



• 가 Disc repeat  
 • CD CD Track repeat  
 가 Disc repeat

- MP3/WMA

가 Disc repeat

- MP3/WMA repeat / repeat

Track , 가 Folder

1. Pause  
MULTI-CONTROL  
Pause가

2. MULTI-CONTROL

MULTI-CONTROL

- CD/MP3/WMA

1. Random mode  
MULTI-CONTROL  
Random mode가

2. MULTI-CONTROL

MULTI-CONTROL

### CD/MP3/WMA

- CD/MP3/WMA

1. Scan mode  
MULTI-CONTROL  
Scan mode가

2. MULTI-CONTROL  
CONTROL 10

3. MULTI-CONTROL

MULTI-CONTROL 가 Scan mode

### ITS

- -DVD 가
- -CD ITS  
가 -DVD ITS  
ITS 56 CD ITS

CD

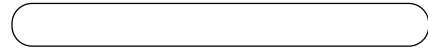
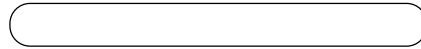
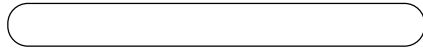
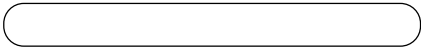
- CD

10 CD

DVD 57

- DVD 가

- CD TEXT DVD  
CD TEXT CD TEXT



- (Position)
- (Soundfield; )
- (Position)
- (Fader)
- (Subwoofer1)
- (Subwoofer2)
- (Subwoofer3)
- (Front HPF, Front HPF FREQ.)
- (Rear HPF, Rear HPF FREQ.)
- TA EQ
- (Time Alignment )
- (FREQ.)
- BBE (BBE)
- BMX (COMP/BMX)
- (Loudness)
- (SLA)
- (AUI )



1. MULTI-CONTROL FUNCTION, AUDIO, ENTERTAINMENT가
2. AUDIO MULTI-CONTROL
3. MULTI-CONTROL MULTI-CONTROL

가

Fader ( ) - Position ( ) - TA Mode (Time Alignment ) - Time Alignment (Time Alignment ) - Loudness ( ) - Powerful ( ) - FREQ. (16- ) - Subwoofer1 ( ON/OFF) - Subwoofer2 ( ) - Subwoofer3 ( ) - Front HPF ( ) - Front HPF FREQ. ( ) - Rear HPF ( ) - Rear HPF FREQ. ( ) - BBE (BBE) - COMP/BMX ( BMX) - Auto EQ ( ON/OFF) - SLA ( ) - AUI sound level ( ) TA Mode OFF , Time Align

Subwoofer1  
Subwoofer2 Subwoofer3  
AUX가  
COMP/BMX  
FM , SLA  
가 BAND

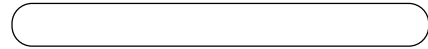
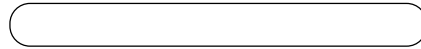
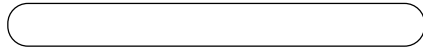
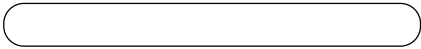


30

1. Position MULTI-CONTROL Position
2. MULTI-CONTROL

	Front Left	
	Front Right	
	Front	
	All	

- MULTI-CONTROL
1. Fader MULTI-CONTROL Fader 가 Balance 가
  2. / MULTI-CONTROL MULTI-CONTROL 가



Front 25 / Rear 25 가

(Time Alignment)

3. / MULTI-CONTROL  
MULTI-CONTROL 가  
Left 25 / Right 25 가

- Time Alignment Custom
- 1. TA Mode MULTI-CONTROL  
CONTROL  
TA Mode가
- 2. MULTI-CONTROL  
CONTROL  
MULTI-CONTROL 가  
cm ( ) - inch ( )
- 3. Time Alignment MULTI-CONTROL  
CONTROL  
Time Alignment가

(Time Alignment)

Time alignment

- 1. TA Mode MULTI-CONTROL  
CONTROL  
TA Mode가
- 2. Time alignment MULTI-CONTROL  
CONTROL  
MULTI-CONTROL  
Time alignment가  
Initial ( ) - Custom ( ) - Auto TA  
( Time Alignment) - OFF (off)  
•Initial Time Alignment
- Custom Time Alignment
- Auto TA TA EQ Time Alignment  
Alignment ( TA EQ( Time Alignment  
80 )  
Please set Auto TA 가  
TA EQ가  
Auto TA

(Position) Can't  
adjust TA. Set position FL/FR(TA  
FL/FR )가  
TA Mode OFF , Time Alignment

- 4. MULTI-CONTROL  
CONTROL  
MULTI-CONTROL 가



- Front speaker left ( )
- Front speaker right( )
- Rear speaker right( )
- Subwoofer right( )
- Subwoofer left( )
- Rear speaker left( )

- 5. MULTI-CONTROL  
MULTI-CONTROL 가 가  
가 가 (cm) 가  
가 가 400.00cm 0.00cm  
가 (inch) 가  
가 160.0inch 0.0inch

6. Time alignment BAND

ON/OFF 가  
normal( ) reverse( )

- 1. Subwoofer1 MULTI-CONTROL  
CONTROL  
Subwoofer1
- 2. MULTI-CONTROL  
CONTROL  
ON  
MULTI-CONTROL

3. Stereo( ) Monaural( )  
MULTI-CONTROL

MULTI-CONTROL monaural( )  
, MONO가  
MULTI-CONTROL stereo( )  
가 , STEREO가

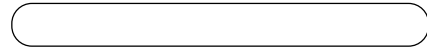
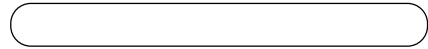
(cut-off frequency)

- 1. Subwoofer2 MULTI-CONTROL  
CONTROL  
Subwoofer2 가  
, Subwoofer2

- 2. MULTI-CONTROL  
CONTROL  
MULTI-CONTROL  
가  
50 - 63 - 80 - 100 - 125 - 160 - 200(Hz)

- 3. MULTI-CONTROL  
MULTI-CONTROL  
가 가  
+6 -24

- 1. Subwoofer3 MULTI-CONTROL  
CONTROL  
Subwoofer3  
, Subwoofer3



2. MULTI-CONTROL

MULTI-CONTROL  
가  
MULTI-CONTROL  
가

3. MULTI-CONTROL

MULTI-CONTROL  
가  
-18 - -12 - -6 (dB/oct.)



180 가 -12dB

HPF( )

( )  
( )  
( )

- ( ) MUTE
- ON
- ( )
- ( )

1. Front HPF( Rear HPF) MULTI-CONTROL

Front HPF ( Rear HPF)가

2. ( ) MULTI-CONTROL

MUTE ON MULTI-CONTROL

1. Front HPF CONTROL MULTI-

Front HPF 가

2. MULTI-CONTROL

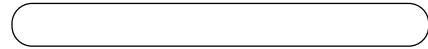
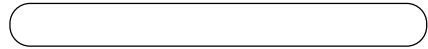
MULTI-CONTROL  
가  
-12 - -6 - Pass (0) (dB/oct.)  
0 dB/oct. (Pass)  
가

3. Front HPF FREQ. MULTI-CONTROL

Front HPF FREQ.

4. CONTROL MULTI-

MULTI-CONTROL  
가  
50 - 63 - 80 - 100 - 125 - 160 - 200 (Hz)



5. MULTI-CONTROL

MULTI-CONTROL  
가  
0 -24

TA EQ  
(80 TA EQ(

1. Rear HPF CONTROL MULTI-

Rear HPF가

2. MULTI-CONTROL

MULTI-CONTROL  
가  
-12 - -6 - Pass (0) (dB/oct.)  
0 dB/oct. (Pass)  
가

1. Auto EQ CONTROL MULTI-

Auto EQ가  
Please set Auto EQ가  
TA EQ가

2. CONTROL MULTI-

ON MULTI-CONTROL

3. Rear HPF FREQ. MULTI-CONTROL

Rear HPF FREQ.

4. CONTROL MULTI-

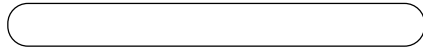
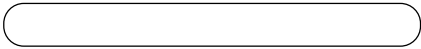
MULTI-CONTROL  
가  
50 - 63 - 80 - 100 - 125 - 160 - 200 (Hz)

가  
(equalization)

5. MULTI-CONTROL

MULTI-CONTROL  
가  
0 -24

가 7



Powerful	
Natural	
Vocal	
Flat	
Custom1	1
Custom2	2
Super Bass	

• Custom1 Custom2 가  
16-

• Flat 가  
Flat

### EQ

EQ

가

Powerful - Natural - Vocal - Flat - Custom1 -  
Custom2 - Super Bass

Flat

(nuance control).

### 1. Graphic equalizer adjustment MULTI-CONTROL

Powerful

가

Powerful  
가

### 2. CONTROL MULTI-

MULTI-CONTROL

가

Powerful - Natural - Vocal - Flat - Custom1 -  
Custom2 - Super Bass

### 3. CONTROL MULTI-

MULTI-CONTROL

가 가

가 가

+6

-6

가 0

### 16-

Custom1 Custom2

( )

• Custom1  
( CD -CD

) Custom2

Custom1

• Custom2

Custom2 가

Custom2 가

1.

### 2. 16-

MULTI-CONTROL

FREQ.가

3.

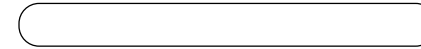
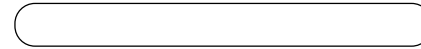
MULTI-CONTROL

MULTI-CONTROL

가

20-31.5-50-80-125-200-315-500-800-

1.25k-2k-3.15k-5k-8k-12.5k-20k (Hz)



### 4. MULTI-CONTROL

MULTI-CONTROL

가

-6

가 가

+6

### 5. 16-

BAND

### BBE

BBE

가

BBE

### 1. BBE

BBE 가

### 2. BBE

BBE

### 3. BBE

CONTROL

MULTI-CONTROL

BBE

가

MULTI-CONTROL

MULTI-CONTROL

MULTI-CONTROL

MULTI-

+4 -4



BBE Sound Inc.

BBE BBE Sound Inc.

### BMX

COMP( ) BMX

가

가

COMP

BMX

CD

가

AUX가

COMP/BMX

1. COMP/BMX  
CONTROL  
COMP/BMX 가

MULTI-

2. COMP/BMX  
CONTROL  
COMP/BMX  
CONTROL

MULTI-

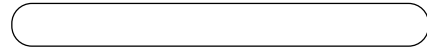
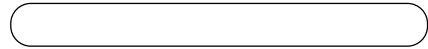
MULTI-

3. CONTROL  
MULTI-CONTROL

MULTI-

COMP 1 - COMP 2 - BMX 1 - BMX 2





1. Loudness CONTROL Loudness 가 MULTI-CONTROL

2. Loudness CONTROL ON Loudness MULTI-CONTROL


SLA (Source Level Adjustment)

- FM ( )

1. FM MULTI-CONTROL

2. SLA MULTI-CONTROL SLA 가 FM

3. CONTROL MULTI-CONTROL 가 가 +4 -4



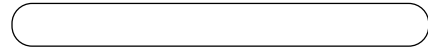
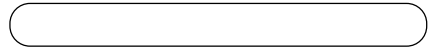
- AM
- CD -CD
- 1(External unit1) 2(External unit2)

AUI ( ) AUI 가


- 가 AUI 가
- 0 AUI 가

1. AUI sound level MULTI-CONTROL AUI sound level


2. AUI CONTROL MULTI-CONTROL BBE 가 가 Level 0 Level 12



TA EQ ( - ) (Time Alignment)



TA EQ ( )

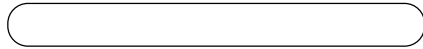
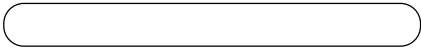


TA EQ (e.g )

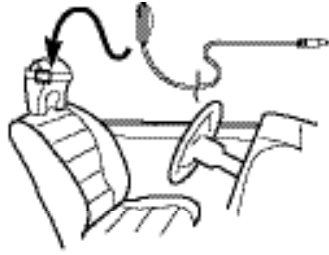
- 가

TA EQ

- TA EQ , TA EQ ( )
- 가 TA EQ
- EQ 가 TA EQ (75 )
- TA EQ 가
- LPF TA EQ LPF LPF LPF
- TA EQ 가 (reflected sound) LPF



• TA EQ  
 (72 / )  
 가 Flat )  
 (76 가 )  
 가



• TA EQ

3. ON ACC

TA EQ

가

▲ TA EQ TA EQ

TA EQ SOURCE

EQ TA

4. 가

1. EQ

72 TA EQ가 가

TA EQ 가 Auto

5. SOURCE

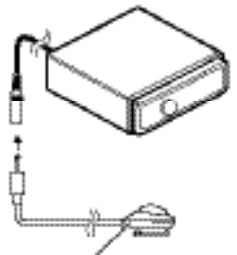
2. ( )

가

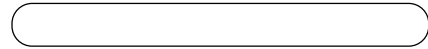
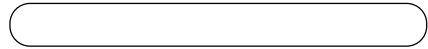
TA EQ TA EQ

6. TA EQ 가

7. EQ



TA&EQ



8. TA EQ MULTI-CONTROL

9. 10 가 10

EQ가 ( ) TA

EQ 6 TA EQ TA EQ

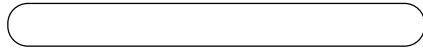
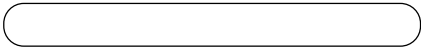
CONTROL TA EQ MULTI-BAND

10. TA EQ가 Setup complete가

가 (93 )

11. TA EQ BAND

12. 가



1. SOURCE

2. Language select MULTI-CONTROL

3. MULTI-CONTROL

- Language select ( ) - Calendar ( )
- Clock ( ) - FM tuning step (FM )
- AM tuning step (AM ) - Warning tone ( ) - Face auto open ( )
- AUX1( 1) - AUX2 ( 2) - Dimmer ( ) - Brightness ( )
- Digital ATT ( ) - Mute( / ) - Demonstration( ) - Reverse mode ( ) - Ever-scroll ( )
- Calibration(RPM ) - BT Audio ( ) - Pin code input ( ) - Phone reset ( )

BAND

가

1. Language select MULTI-CONTROL Language select가

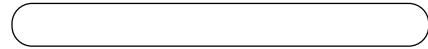
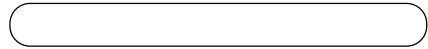
2. MULTI-CONTROL

MULTI-CONTROL 가 English - Español - Português

1. Calendar MULTI-CONTROL Calendar 가

2. MULTI-CONTROL

Day - Month - Year



3. MULTI-CONTROL

MULTI-CONTROL 가 가 MULTI-CONTROL 가

가 가 CLOCK

1. Clock MULTI-CONTROL

Clock 가

2. MULTI-CONTROL

MULTI-CONTROL

Hour - Minute



3. MULTI-CONTROL

MULTI-CONTROL 가 MULTI-CONTROL



- MULTI-CONTROL (time signal)
- 00-29 ( : 10:18 10:00가 )
- 30-59 ( : 10:36 11:00가 )

FM

(Seek tuning) 100kHz FM 50kHz

1. FM tuning step MULTI-CONTROL FM tuning step

2. FM CONTROL MULTI-CONTROL FM 50kHz 100kHz



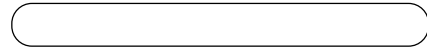
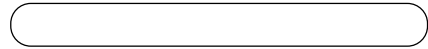
50 kHz

AM

AM 9kHz 10kHz

9kHz( 531-1602kHz) 10kHz( 530-1640kHz)

1. AM tuning step MULTI-CONTROL AM tuning step



2. AM CONTROL  
MULTI-CONTROL  
9kHz 10kHz  
AM

MULTI-  
AM

AUX ON

89 AUX

1. AUX1/AUX2 CONTROL  
AUX1/AUX2가

2. AUX1/AUX2 CONTROL  
ON  
AUX1/AUX2 MULTI-CONTROL

가 4

1. Warning tone CONTROL  
Warning tone

MULTI-

2. MULTI-CONTROL  
ON

MULTI-CONTROL

(Dimmer)

가

1. Dimmer CONTROL  
Dimmer 가

2. MULTI-CONTROL  
ON

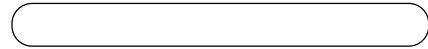
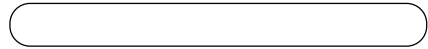
MULTI-CONTROL

1. Face auto open  
MULTI-CONTROL  
Face auto open

2. MULTI-CONTROL  
ON

MULTI-

CONTROL



가 24

1. Brightness CONTROL  
Brightness 가

MULTI-

2. MULTI-CONTROL

MULTI-CONTROL  
가  
가

0 31

0 21

가 MUTE  
ATT가

1. Mute MULTI-CONTROL

Mute 가

2. CONTROL  
MULTI-CONTROL

- TEL mute -
- 10dB ATT -
- 20dB ATT - (20dB ATT 10dB ATT )

CD

가

1. Digital ATT CONTROL  
Digital ATT 가

MULTI-

2. MULTI-CONTROL  
MULTI-CONTROL  
Low ( )

High ( )  
가

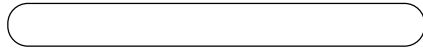
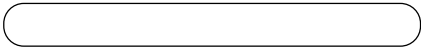
(Feature demo)

가 ACC ON

1. Demonstration CONTROL  
Demonstration

2. MULTI-CONTROL  
ON

MULTI-CONTROL



가  
 DISPLAY  
 10

1. Ever-scroll CONTROL  
 Ever-scroll MULTI-CONTROL  
 2. Ever Scroll CONTROL ON  
 MULTI-CONTROL

(Reverse mode)

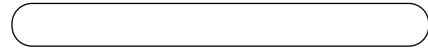
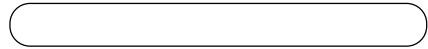
30  
 가 10  
 1. Reverse mode CONTROL  
 Reverse mode 가 MULTI-CONTROL  
 2. CONTROL ON  
 MULTI-CONTROL

RPM

RPM 가  
 •RPM  
 • RPM 가  
 1. 가  
 2. Calibration CONTROL  
 Calibration MULTI-CONTROL  
 3. RPM 4 000 rpm  
 MULTI-CONTROL RPM  
 RPM 4 000 rpm Completed가 RPM 가  
 ( : 3000rpm )  
 RPM 2000 rpm  
 4000 rpm 2000 rpm  
 MULTI-CONTROL

(Ever Scroll)

BAND 9  
 가 ON CD 가 OFF



BT

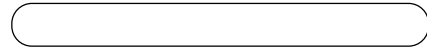
가 BT  
 1. BT AUDIO CONTROL  
 BT AUDIO가 MULTI-CONTROL  
 2. BT AUDIO CONTROL ON  
 BT MULTI-CONTROL

4. PIN ( 16 )  
MULTI-CONTROL

PIN 가  
 MULTI-CONTROL PIN 가  
 (confirmation display) MULTI-CONTROL PIN PIN

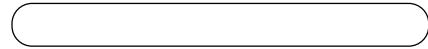
PIN

PIN 0000 8  
 PIN  
 1. Pin code input CONTROL  
 Pin code input MULTI-CONTROL  
 2. MULTI-CONTROL  
 MULTI-CONTROL 가  
 3. MULTI-CONTROL 가 MULTI-CONTROL  
 CONTROL 가 MULTI-CONTROL  
 CONTROL 가 MULTI-CONTROL

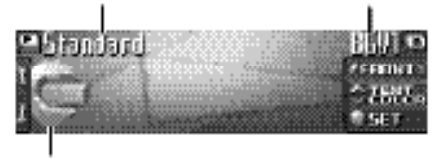


CLOCK  
CLOCK  
가  
가  
CLOCK  
AUX  
VCR ( ) 가  
2 AUX  
AUX2  
AUX1  
AUX2  
AUX1  
AUX2  
AUX1  
AUX2  
AUX1  
AUX2  
AUX1  
AUX2

AUX2 :  
IP-BUS-RCA (Interconnector)( )  
CD-RB20/CD-RB10( )  
IP-BUS-RCA  
RCA  
IP-BUS-RCA  
AUX2  
RCA  
가  
AUX  
AUX(AUX1 AUX2)  
SOURCE  
AUX가 SOURCE  
ON AUX  
85  
AUX  
AUX1 AUX2  
1. AUX CONTROL FUNCTION , MULTI- Title  
Input  
2. DISPLAY  
DISPLAY 가  
( ), ( ),  
가 ( : á, à, ã, ç)



3. MULTI-CONTROL  
MULTI-CONTROL  
가 (A B C ...)  
MULTI-CONTROL  
가  
4. MULTI-CONTROL  
가 , MULTI-CONTROL  
가  
MULTI-CONTROL  
가  
5. MULTI-CONTROL  
MULTI-CONTROL  
가  
6. BAND  
가  
1. MULTI-CONTROL  
FUNCTION, AUDIO ENTERTAINMENT가



가  
•MP3/WMA/AAC/WAV 가  
가  
•Vehicle Dynamics 1, Vehicle Dynamics 2  
Vehicle Dynamics 3 RPM  
87 RPM

2. ENTERTAINMENT  
MULTI-CONTROL

3.  
MULTI-CONTROL  
MULTI-CONTROL

Standard ( ) - Visualizer1 ( ) 1) -  
Visualizer2 ( ) 2) - Visualizer3 ( )  
3) - Visualizer4 ( ) 4) -  
Visualizer5 ( ) 5) - VisualizerRDM(  
) - LevelMeter ( ) -  
Spectrum Analyzer ( ) - Vehicle  
Dynamics 1 (vehicle dynamics processor 1) -  
Vehicle Dynamics 2 (vehicle dynamics  
processor 2) - Vehicle Dynamics 3 (vehicle  
dynamics processor 3) - Movie( ) -  
Clock ( ) - OFF ( )  
OFF)

ENTERTAINMENT

Standard , DISPLAY

4. MULTI-  
CONTROL  
MULTI-CONTROL

. 11가

Vehicle Dynamics 1, Vehicle Dynamics 2  
Vehicle Dynamics 3 5가

Movie OFF 가

5.  
MULTI-CONTROL

) (가

1. 가

<and>가 FRONT /

2. MULTI-  
CONTROL

3. MULTI-  
CONTROL  
MULTI-CONTROL

BGV1 (background visual 1) - BGV2  
(background visual 2) - BGV3 (background  
visual 3) - BGV4 (background visual 4) -  
BGV5 (background visual 5) - BGP1 ( )  
1) - BGP2 ( ) 2) - BGP3 ( ) 3) -  
BGP4 ( ) 4) - BGP5 ( ) 5) - BGP6  
( ) 6) - BGP7 ( ) 7) - BGP8 ( )  
8) - Slideshow ( ) - Texture1  
(texture 1) - Texture2 (texture 2) - Texture3  
(texture 3) - Texture4 (texture 4) - OFF ( )  
OFF)

ENTERTAINMENT

4. BGV1, BGV2 Texture3

MULTI-CONTROL

MULTI-CONTROL

11가  
( )

5. MULTI-  
CONTROL

<http://www.pioneer.co.jp/car/pclink4/i>



(Rewriting process) 가  
, completed 가

1. SOURCE

2. EQ LIST

, Download

Insert disc가 , 가

, EQ LIST 가

3. CD 가

Download Ready 가

Now loading

CD loading slot



4. Finished가  
EJECT

Download mode 가



• CD CD

• EJECT

• EJECT

• CD ERROR 가 , 94

CD

가

ERROR-11, 12, 17, 30		
ERROR-11, 12, 17, 30		
ERROR-10, 11, 12, 15, 17, 30,		ON/OFF CD
ERROR-15	가	
ERROR-23	CD가	
NO AUDIO		가
Track Skipped	DMR WMA	가
PROTECT	DMR	

TA EQ

TA EQ

가

가

Check MIC type	가	
MIC ERROR	가	
Front Speaker ERROR, Front left Speaker ERROR, Front right Speaker ERROR, Rear left Speaker ERROR, Rear right Speaker ERROR, Subwoofer ERROR, Subwoofer Lch ERROR, Subwoofer Rch ERROR	가	가
Noise ERROR		

가

CD ERROR	CD	EJECT
CD ERROR AO		ON/OFF
Disc ERROR	가	EJECT
Download ERROR, Transmit ERROR	Writing	EJECT
FILE ERROR		

가 CD CD

( )



가 CD 가 CD  
가 CD 1

CD

가 Compact Disc Digital AUDIO



CD 가



CD-R/CD-RW

가 CD-R/CD-RW

가 CD CD-R/CD-RW



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

- 가 CD
- 가 DVD
- 가 CD
- 가 CD
- 가

### MP3, WMA, ACC WAV

- MP3 MPEG Audio Layer 3
- WMA Windows Media TM Audio
  - WMA 7
- AAC Advanced Audio Coding
- WAV waveform Windows
- WMA
- WMA
- WMA/AAC
- CD-ROM, CD-R CD-RW
  - MP3/WMA
  - ISO9660 1 2
  - Romeo( ) Joliet( )
  - 가 가
- MP3/WMA/AAC
  - (.mp3, .wma .m4a) 64 64
  - Romeo( ) 64
- MP3/WMA/AAC/WAV CD-EXTRA
  - MIXED-MODE CD (CD-DA)
  - MP3/WMA/AAC/WAV (CD-DA) 가

- 가
- CD
  - MP3/WMA
  - CD-R/CD-RW/CD-ROM
  - CD



- MP3, WMA, AAC/ WAV
  - (.mp3, .wma m4a .wav)
  - (.mp3, wma m4a wav) MP3/WMA/AAC/WAV
  - MP3/WMA/AAC/WAV

### MP3 가

- ( ) ( ), 가( 가) ID3 1.0, 1.1, 2.2, 2.3 . ID3 2.x 가 2.x 1.x 가 32, 44.1, 48kHz MP3 가 ( ) 16, 22.05, 24, 32, 44.1, 48 kHz 가 )
- m3u
- MP3i (MP3 interactive) mp3 PRO
- 가 , MP3 8kbps 320kbps 128kbps

### WMA 가

- 7,7.1,8,9 10
- WMA 8kHz ~ 48 kHz WMA
- WMA 가 48kb ~ 320kbps 384 kbps ~ 384 kbps(VBR)
- - Windows Media Audio 9 Professional (5.1 ch)
  - Windows Media Audio 9 Lossless
  - Windows Media Audio 9 Voice

### AAC 가

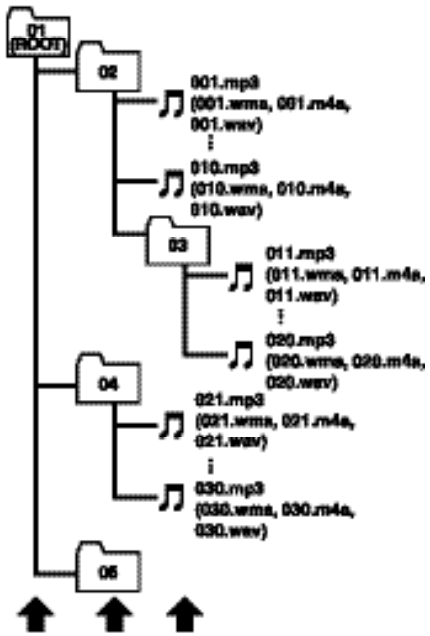
- iTunes 4.8
- AAC 11.025, 16, 22.05, 24, 32, 44.1 48 AAC 가 16kbps 320kbps
- AAC
- Apple Lossless

### WAV 가

- Linear PCM (LPCM) MS ADPCM WAV
- WAV 16, 22.05, 24, 32, 44.1 48 kHz (LPCM), 22.05 44.1 kHz (MS ADPCM)
- WAV (quantization bits) 가 8 16(LPCM) 4 (MS ADPCM)

# MP3/WMA/AAC/WAV WAV

- MP3/WMA/AAC/WAV CD-ROM



- 1
- 2
- 3



- 가 MP3/WMA/AAC/WAV
- MP3/WMA/AAC/WAV

A2DP  
A2DP Advanced Audio Distribution Profile

HSP  
HSP Head Set Profile

AAC  
AAC(Advanced AUDIO Coding) MPEG2 MPEG4

ID3 (ID3 Tag)  
MP3 가 ID3

AVRCP  
AVRCP Audio/Video Remote Control Distribution Profile

ISO9660  
CD-ROM ISO9660

Bit Rate( )  
1 second) bps (bit per second)  
( , MP3) 가

1: 8.3 ( 8 " -"  
1/2 )  
2: 31 ( " ,"  
8 )  
(Joilet):  
64  
(Romeo):  
128

Bluetooth  
PC 2.4GHz  
1Mbit  
IBM 1998 가  
2,000

Linear PCM(LPCM)/Pulse code modulation( PCM(LPCM)/ )

GAP  
GAP Generic Access Profile

CD DVD  
m3u  
"WINAMP" (m3u) 가

HFP  
HFP Hands Free Profile

**MP3**  
 MP3 MPEG 3  
 ISO (International Standard Organization)  
 (MPEG)  
 . MP3  
 1/10

**MS ADPCM**  
 가  
 (differential pulse code modulation)

**Multi-session( )**  
 Multi-session 가  
 CD-ROM, CD-R, CD-RW  
 Multi-session  
 2 가

**Number of quantization bits( )**  
 (bit-deep)  
 가 가 가

**OPP**  
 OPP Object Push Profile

**Packet write ( )**  
 가  
 , CD-R

**SDP**  
 SDP Service Discovery Protocol

**VBR**  
 VBR variable bit rate( )  
 CBR (constant bit rate:  
 )

**WAV**  
 Waveform Windows

**WMA**  
 WMA Windows Media™AUDIO  
 가  
 WMA Windows Media Player 7

Windows Media  
 가

..... 14.4 V DC ( :  
 12.0 V to 14.4 V DC)  
 ..... Negative type  
 ..... 0.0 A

(W x H x D):  
**DIN**  
 Chassis ..... 178 x 50 x 161 mm  
 Nose ..... 188 x 58 x 23 mm  
**D**  
 Chassis ..... 178 x 50 x 166 mm  
 Nose ..... 170 x 45 x 18 mm  
 ..... 1.7 g

**AUDIO/DSP**  
 ..... 50 W x 4  
 ..... 22 W x 4 (50 Hz - 15 000 Hz,  
 5% THD, 4 W ,  
 )  
 ..... 4 W (4 W - 8 W )  
 /

..... 5 V/100W  
 ..... +10 dB (100 Hz),  
 +6.5 dB (10 kHz)  
 (volume: -30 dB)  
 (16- ):  
 ..... 20/31.5/50/80/125/200/315/  
 500/800/1.25k/2k/3.15k/5k/  
 8k/12.5k/20k Hz  
 ..... ±12 dB

( & & 16 ):  
 ..... 20/31.5/50/80/125/200/315/  
 500/800/1.25k/2k/3.15k/5k/  
 8k/12.5k/20k Hz  
 ..... +6 dB to -12 dB

**HPF ( / ):**  
 ..... 50/63/80/100/125/160/200 Hz  
 ..... 0 (Pass)/-6/-12 dB/oct  
 ..... 0 dB to -24 dB/Mute  
 ( / ):  
 ..... 50/63/80/100/125/160/200 Hz  
 ..... -6/-12/-18 dB/oct  
 ..... +6 dB to -24 dB/Mute  
 ..... Normal/Reverse

**CD**  
 가  
 :  
 (Compact disc audio system)  
 ..... Compact disc

..... 44.1 kHz  
 ..... 16; linear  
 ..... 5 Hz to 20 000 Hz (±1 dB)  
 ..... 100 dB (1 kHz)  
 (IEC-A network)  
 ..... 95 dB (1 kHz)  
 ..... 2 ( )

**MP3**  
 ..... MPEG-1 & 2 AUDIO  
 Layer 3  
**WMA**  
 ..... Ver. 7, 7.1, 8, 9, 10  
 (2ch )  
 (Windows Media Player)  
**AAC**  
 ..... MPEG-4 AAC  
 (iTunes encoded only)  
**WAV**  
 ..... Linear PCM & MS ADPCM

**FM**  
 ..... 87.5 MHz to 108.0 MHz  
 ..... 8 dBf (0.7 µV/75 W, mono,  
 S/N: 30 dB)  
**50 dB**  
 ..... 10 dBf (0.9 µV/75 W, mono)  
 ..... 75 dB (IEC-A network)  
 ..... 0.3 % (at 65 dBf, 1 kHz, stereo)  
 0.1 % (at 65 dBf, 1 kHz, mono)  
 ..... 30 Hz to 15 000 Hz (±3 dB)  
 ..... 45 dB (at 65 dBf, 1 kHz)

**AM**  
 ..... 531 kHz to 1 602 kHz (9 kHz)  
 530 kHz to 1 640 kHz (10 kHz)  
 ..... 18 µV (S/N: 20 dB)  
 ..... 65 dB (IEC-A network)



..... Bluetooth 1.2 certified  
..... +4 dBm Max. (Power class 2)

..... GAP (Generic Access Profile)  
..... 2402MHz - 2480 MHz  
SDP (Service Discovery  
Protocol)  
HSP (Head Set Profile)  
HFP (Hands Free Profile)  
A2DP (Advanced Audio  
Distribution Profile)  
AVRCP (Audio Video Remote  
Control Profile)  
OPP (Object Push Profile)

..... 40 nm  $\pm$ 50 nm  
..... typ; 12 mw/sr per Infrared LED

