



LAB7904RN


ENGLISH

FRANÇAIS



Table of Contents

- 3** Safety Note
- 4** Front Panel
- 5** Basic operation
 - Mute
 - Using the EQ
 - Adjusting the sound level
 - XDSS+(Extreme Dynamic Sound System)
 - Checking the clock
 - Setting the clock
- 6** Listening to a CD
 - Pause or restart a CD
 - Search for a section within a track / file
 - Skip to another track / file
 - Intro scan
 - Repeat
 - Shuffle
 - MP3/WMA Track -10 / +10
 - MP3/WMA Folder UP/DOWN
 - Checking information about your music
- 7** Listening to the radio
 - Auto search memory
 - Storing and recalling broadcast frequencies
 - To scan the preset stations
 - To tune in the preset stations
 - Listening RDS broadcasting
 - Connecting USB device
- 8** Connecting an Auxiliary Equipment
 - Changing settings
- 9-10** Connecting a Bluetooth wireless technology
 - Disconnecting a phone
 - Answering and Ending a call
 - Rejecting a call
 - Making a call saved preset number
 - Missed call notification
 - Audio transfer
 - Making a call from the latest call
 - Pairing your unit and device with Bluetooth wireless technology
 - Playing MP3 files
 - Storing a call number in last answered
 - Bluetooth wireless technology profiles information
 - The buttons with bluetooth wireless technology
- 11** Adjusting the setting (Bluetooth wireless technology)
- 12-13** Phone compatibility list (Bluetooth wireless technology)
- 14** Troubleshooting
- 15** Specifications

 This product is manufactured to comply with Directive 2006/28/EEC(ANNEX I , 3.2.9), 72/245/EEC, 99/5/EC and 2006/95/EC.

European representative:
LG Electronics Service Europe B.V.
Veluwezoom 15, 1327 AE Almere, The Netherlands
(Tel : +31-036-547-8940)

You have to set the disc format option to [Mastered] in order to make the discs compatible with the players when formatting rewritable discs.
When setting the option to Live File System, you cannot use it on the players.
(Mastered/Live File System : Disc format system for Windows Vista)

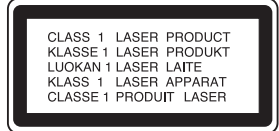
Safety Note

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT SPLIT COVER(OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

- This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.
- Always operate the vehicle in a safe manner. Do not become distracted by the vehicle while driving, and always be fully aware of all driving condition. Do not change settings, or any functions. Pull over in a safe and legal manner before attempting such operations.
- Do not use for many hours at extremely low or high temperature. (-10~60°C)
- To reduce the risk of electric shock, do not remove the cover or back of this product. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.
- To reduce the risk of fire or electric shock, do not expose this product to dripping or splashing water, rain, or moisture.
- The temperature of unit's outside can be extremely high, please use the unit after proper installation in your vehicle.
- This unit cannot play 8cm disc (use 12cm disc only).

CAUTION : This product uses a Laser System.
To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference.
Should the unit require maintenance, contact an authorized service center. Performing controls, adjustments, or carrying out procedures other than those specified herein may result in hazardous radiation exposure.
To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open. **DO NOT STARE INTO BEAM.**



This device is equipped with a portable battery or accumulator.
Safe way to remove the battery or the battery from the equipment:
Remove the old battery or battery pack, follow the steps in reverse order than the assembly. To prevent contamination of the environment and bring on possible threat to human and animal health, the old battery or the battery put it in the appropriate container at designated collection points. Do not dispose of batteries or battery together with other waste. It is recommended that you use local, free reimbursement systems batteries and accumulators.

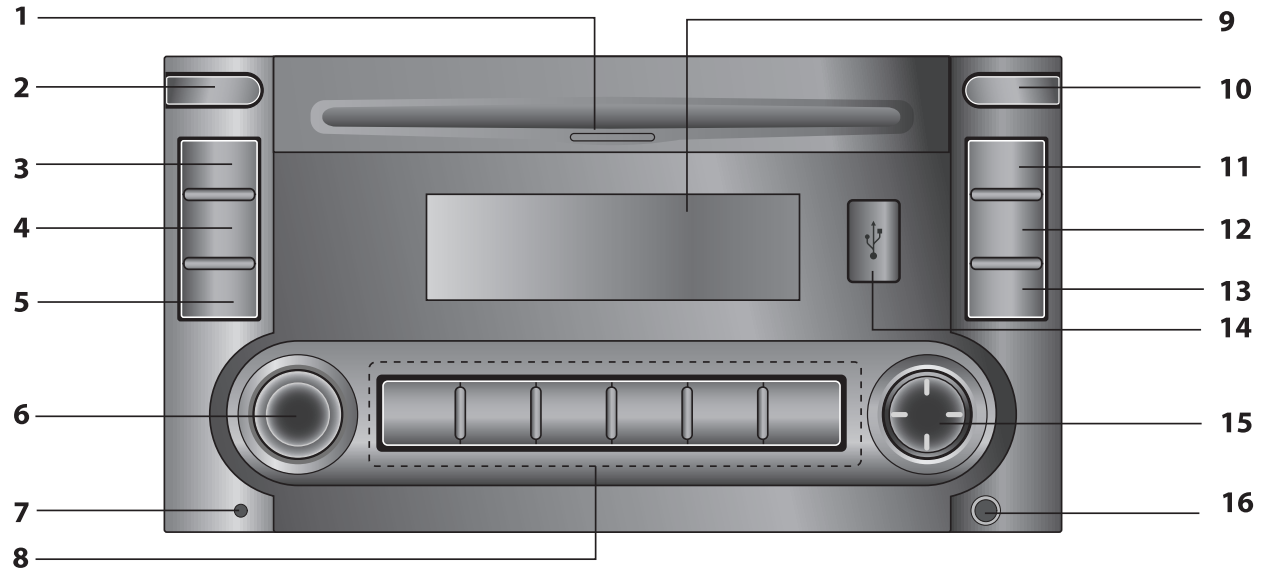
The battery shall not be exposed to excessive heat such as sunshine, fire or the like.

- Disposal of your old appliance**
1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
 2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
 3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
 4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

Caution
When being connected in a wrong way, the unit displays as follows.
- Antenna port short : **"ANTENNA ON PORT SHORT CIRCUIT CHECK"**

After connecting it again, restart the unit.

Front Panel



- 1 CD slot
- 2 SOURCE [SRC]
- 3 Bluetooth wireless technology[B/T]
- 4 [SEL]/[MENU]
- 5 [BAND]/[DRIVE]
- 6 • Volume
- [MUTE]
- Power [PWR]
- ENTER
- 7 Reset hole
- 8 • Play/Pause ►/⏸
- Intro Scan [SCAN]
- Repeat [RPT]
- Shuffle [SHF]
- Preset Station [1-6]

- 9 Display window
- 10 Eject ▲
- 11 • Traffic Announcement [TA]
- Programme Type [PTY]
- 12 • Equalizer [EQ]
- Extreme Dynamic Sound System [XDSS]
- 13 Display [DISP]
- 14 USB slot
- 15 • Auto Store [AS]
- Preset Scan [PS]
- MP3/WMA Track +10/-10
- Folder Up/Down
- Skip / Search / Seek / Tune / ◀▶
- 16 AUX in

Basic Operation

	ON PLAYER
1. Turn the unit on.	PWR
2. Select a source.	SRC
3. Adjust the volume.	Rotate PWR

Basic operation - more you can do

Mute

Press **PWR/MUTE** to cut the sound. To cancel it, press again.

Using the EQ

EQ is to increase or decrease the signal strength of audio frequencies. The function helps you to enjoy sound more plentifully. Press **EQ/XDSS** repeatedly. The indicator lights up in the following order.

POP → CLASSIC → ROCK → JAZZ → VOCAL → SALSA → SAMBA → REGGAE → RUSSY → USER1 → USER2 → Off (not displayed)

Note

- When XDSS+ is set to "Off", you can adjust the EQ settings.
- You can adjust sound level to your preference. Once you select a USER mode and then adjust the sound level, it will be automatically stored for the currently selected USER mode. Refer to the "Adjusting the sound level" for USER 1/2 mode.

Adjusting the sound level

Press **SEL/MENU** repeatedly to select the mode you want to adjust from VOL(volume), BAL(left/right speaker), FAD(front/rear speaker) and SUB(Sub-woofer:optional). To adjust sound quality, rotate **PWR**.

Note

When EQ and XDSS+ is set to "Off", you can also adjust the sound level (BAS(bass), MID(middle), TRB(treble)) settings.

XDSS+ (Extreme Dynamic Sound System)

Press and hold **EQ/XDSS** . (XDSS+ : Improves the treble, bass sound.) To cancel it, press and hold it again.

Checking the clock

You can see the clock pressing **DISP** .

Setting the clock

When RDS CT information is not received and then you set CT on the setting menu to OFF, you can adjust the time by yourself.

Refer to the page 8 for setting the CT(Clock Time) ON/OFF.

- 1 Press the **DISP** and then, press and hold it for more 1 second.
- 2 Press the **◀** to adjust the hour.
- 3 Press the **▶** to adjust the minute.
- 4 Press **DISP** again to finish the setting.

Listening to a CD

	ON PLAYER
1. Insert a CD.	-
2. Adjust the volume.	Rotate PWR

Listening to a CD - more you can do

Pause or restart a CD

Press ►/|| on the player during playback. Press this button again to resume play.

Search for a section within a track / file

Press and hold I◀- / +▶I on the player for about 1 second during playback and then release at the point you want.

Skip to another track / file

Press I◀- / +▶I on the player. To skip to previous track, press briefly I◀- within 3 seconds of playing time.

Intro scan

Press or press and hold **SCAN** on the player. Each files in the current selected folder (■ **INT**) or the first 10 seconds of each tracks/files (**INT**) on the disc are played. To cancel it, press the button again.

Repeat

Press or press and hold **RPT** on the player. The current selected tracks/files (1 **RPT**) or folder (■ **RPT**) on the disc is played repeatedly. To cancel it, press the button again.

Shuffle

Press or press and hold **SHF** on the player. Each files in the current selected folder (■ **SHF**) or all of the tracks/files (**SHF**) on the disc is played randomly. Press **SHF** again to cancel it.

Note

During random playback, if you press I◀- , you won't go back to the previous track.

MP3/WMA Track -10 / +10

(If there is no folder or one folder.) During playback press **PS** to go back 10 tracks, or press **AS** to go forward 10 tracks.

MP3/WMA Folder UP/DOWN

(If there are more than two folders.) During playback, press **PS** to go back to the previous folder, or press **AS** to go forward to the next folder.

Checking information about your music

MP3/WMA files often come with tags. The tag gives the Title, Artist or Album. Press **DISP** repeatedly during MP3/WMA/CD TEXT file playback. If there is no information, "NO TEXT" will be shown in the display window.

Note

- : The icon is displayed during MP3/WMA playback.
- MP3/WMA Disc compatibility with this unit is limited as follows:**
 1. Sampling Frequency / 8 - 48kHz (MP3) 22.05 - 48kHz (WMA)
 2. Bit rate / within 8 - 320kbps (include VBR) (MP3) 32 -320kbps (WMA)
 3. CD-R/CD-RW file system should be "ISO 9660"
 4. If you record MP3/WMA files using software which cannot create a FILE SYSTEM, for example "Direct-CD" etc., it will not be possible to playback MP3/WMA files. We recommend that you use "Easy-CD Creator" which creates an ISO9660 file system.

Customers should also note that permission is required in order to download MP3/WMA files and music from the Internet. Our company has no right to grant such permission. Permission should always be sought from the copyright owner.

Listening to the radio

	ON PLAYER
1. Select a source to tuner.	SRC
2. Select a band.	BAND
3. Auto seek. Manual seek.	◀ / ▶
	Press and hold ◀ / ▶

Listening to the radio - more you can do

Auto search memory

Press **AS**. The six strongest broadcast frequencies will be stored under preset button 1-6 in the order of their signal strength. To cancel, press **AS**.

Storing and recalling broadcast frequencies

- 1 Press **BAND** to select desired band you want to store.
- 2 Select the desired frequency and press one of preset buttons 1-6 and hold until the beep sound.
- 3 Repeat steps 1-2 to preset other stations. The next time, you press the same preset button, the radio station frequency is recalled from the memory.

To scan the preset stations

Press **PS**. Each preset station appears. To cancel, press **PS**.

To tune in the preset stations

Press **BAND** to select the desired band and press the desired preset button 1-6.

Note

- When a station is stored on the preset numbers on which another station of the same band has already been preset, the previously preset station is automatically erased.

Listening RDS broadcasting

	ON PLAYER
1. Select a source to tuner.	SRC
2. Select a band to FM.	BAND
3. Select a programme types.	Press and hold TA/PTY
4. Select a station in PTY type.	1-6

RDS broadcasting information.

Press and hold the **TA/PTY** repeatedly for selecting each mode.

Music group → Speech Group → Search off

NO. MUSIC GROUP	NO. SPEECH GROUP
1. POP M, ROCK M	1. NEWS, AFFAIRS, INFO
2. EASY M, LIGHT M.	2. SPORT, EDUCATE, DRAMA
3. CLASSICS, OTHER M	3. CULTURE, SCIENCE, VARIED
4. JAZZ, COUNTRY	4. WEATHER, FINANCE, CHILDREN
5. NATION M, OLDIES	5. SOCIAL, RELIGION, PHONE IN
6. FOLK M	6. TRAVEL, LEISURE, DOCUMENT

Connecting USB device

	ON PLAYER
1. Open the USB cover.	-
2. Connect the USB device.	-
3. Adjust the volume.	Rotate PWR

Moving to another drive

When connecting this unit to multi reader, press **BAND** to go to the next drive. Each time you press the button, the driver modes changes.

Note

- If the USB device is already connected, press **SRC** to select a source to USB.
- Pause / Intro Scan / Repeat / Shuffle / ... functions are same with "Listening to a CD - more you can do". Refer to the page 6.

Connecting an Auxiliary Equipment

	ON PLAYER
1. Connect an auxiliary equipment to the AUX jack with line input cable.	-
2. Select a source to AUX.	SRC
3. Play the connected Auxiliary Equipment.	-
4. Adjust the volume.	Rotate PWR

Changing settings

	ON PLAYER
1. Select one item.	Press and hold SEL/MENU
2. Select a source.	Rotate PWR
3. Finish the setting .	Press and hold SEL/MENU

- AF(Alternative frequency) ON / OFF
When the reception quality drops, the tuner automatically changes to another station in the network, broadcasting a better reception quality, using the PI and AF codes.
- REG (Region) ON / OFF
REG ON : The unit switches to another station, within the same network, broadcasting the same program when the receiving signals from the current station become weak.
REG OFF : The unit switches to another station, within the same network when the receiving signals from the current station become weak. (This mode, the program may differ from the one currently received.)
- TA(Traffic Announcement) ALARM / SEEK
TA ALARM : When the tuned station has no TP information for 5 seconds, a double beep sound is output.
TA SEEK : When the tuned station does not receive TP information for 5 seconds, the receiver retunes to the next station that has the TP information.

- PI (Programme Identification) SOUND / MUTE
PI SOUND : If the sound of a station with different PI is heard intermittently, the receiver mutes the sound after 1 second.
PI MUTE : If the sound of a station with different PI is heard intermittently, the receiver mutes the sound right now.
- C-T(Clock Time) ON/OFF
You can use the RDS CT information to update the time. When RDS CT information is not received and then you set CT to OFF, you can adjust the time by yourself. Refer to the page 5 for setting the clock.
- AUX (Auxiliary) ON / OFF
It is possible to use auxiliary equipment with this unit. Activate the auxiliary setting when using auxiliary equipment connected to this unit.
- AUX (Auxiliary) 00dB / +6dB
Only when you set AUX to ON as switching sources, you can adjust the volume level of each source to prevent radical changes in volume.
You can set to 0 dB or +6 dB. You may be surprised at a loud sound when you change the source from the external component to another source.
- DEMO OFF/ ON
You can change the initial indication on the display to information name (function name, EQ name, etc...) while listening to a source.
- LCD WHI / RED
You can change the LCD window color. WHI(white) <-> RED(red)
- LED RED / GRN / AUTO: You can change the button color.
- COL TM (Color changing time)
Only when you set LED to AUTO, you can set LED color changing time from 5 to 60 seconds.
- SW(Subwoofer) OFF / SW 55HZ / SW 85HZ / SW 120 HZ
You can enable the subwoofer. SW OFF <-> SW 55HZ <-> SW 85HZ <-> SW 120 HZ.
- DIM(Dimmer) OFF / ON / AUTO
You can change the brightness of the display window during the power-on status. When you set DIMMER to AUTO, the dimmer operates according to the car dimmer setting.
- DIM L (Dimmer Level)
When you set DIM to ON/AUTO, you can adjust the dimmer level. (-2,-1,0,+1,+2)
- A-EQ(Auto EQ) ON/OFF
AUTO EQ operates only in the music file supported with Genre in the device. When you set AUTO EQ to ON, POP, CLASSIC, ROCK, or JAZZ is automatically selected according to the music genre.
- BEEP 2ND / ALL
BEEP 2ND : The beep is generated when a key is long pressed. (1 sec)
BEEP ALL : The beep is generated when any key is pressed.

Connecting a *Bluetooth* wireless technology

Before you start the pairing procedure, make sure the *Bluetooth* wireless technology is turned on in to your phone. Refer to your phone's user guide. Pairing links your unit and phone with *Bluetooth* wireless technology, and is required only once for the initial setup. If the connection is successful, the phone is registered (Device 1–5) and the flashing of indicator stops on the unit. The process of pairing may be different depend on the phones. The PIN CODE is 1234.

	ON PLAYER
1. Enter the menu.	B/T
2. Find the "CONNECTION" menu.	Rotate PWR
3. Search the phones supported Bluetooth wireless technology.	Press PWR
4. Select a phone you want to connect.	Rotate PWR
5. Connect the phone.	Press PWR
6. Select the "CONNECT" menu.	Press PWR

Using a *Bluetooth* wireless technology - more you can do

Disconnecting a phone.

Refer to page 11. Go to the menu (B/T -> CONNECTION -> Connected device name -> DISCONNECT)

Answering and Ending a call.

When your unit rings, press **B/T** to answer a call. To end a call, press and hold **B/T**.

Rejecting a call

When your unit rings, press and hold **B/T**.

Making a call saved preset number

Press **B/T** and preset number (1~6).

Missed call notification

When an incoming call is not answered, the missed call message is displayed on the display window (without headset profile). When the " ? " appears, go to the menu (B/T -> CALL -> MISSED). You can check the list of missed call. To place a call, press B/T. And to end the call and hang up the phone, press and hold **B/T**.

Audio transfer

It is possible to switch the audio connection between your phone equipped with Bluetooth wireless technology and this unit.

1 Press **B/T** to answer the call.

2 Press **B/T** again. The "Private" is displayed.

If the private mode is selected on the unit, press **B/T** to return to the call to hands-free mode.

Making a call from the latest call

The lists are sorted from newest to oldest entries. Your unit keeps recorded of your recently received and dialed on phone. Refer to the page 11.

Note

- When you want to make an international call, press **+▶|** to add "+" and to delete it press again.
- "+" can only be added when the detail list of Missed call, Dialed call or Received call is selected.
- Rejecting a call / Making a call saved preset number / Missed call notification (These features are only available on phones with Headset profile.)

Paring your unit and device with Bluetooth wireless technology (MP3 Player, MP3 Phone...)

When you activate your Bluetooth device's linked unit, you can listen to MP3 with wireless connections. The method of use for a Bluetooth device is the same as when using a Bluetooth phone. Refer to the phone's user guide for using this function.

Playing MP3 files

When you turn Bluetooth on, your device supported Bluetooth wireless technology displays "Bluetooth" on the home screen. The Bluetooth remains on until you turn the device off. Press **SRC** repeatedly to select "BT Music". To play an MP3 file stored on your device. Refer to the phone's user guide for using this function.

Storing a call number in last answered.

You can easily store up to 6 phone numbers and laster recall with the press the button. Refer to the page 9. Go to the menu (CALL -> RECEIVED -> Rotate **PWR** the phone number you want to save -> SAVE -> select 1-6).

Bluetooth wireless technology profiles information.

In order to use Bluetooth wireless technology, devices must be able to interpret certain profiles. This unit is compatible with following profiles.

GAP (Generic Access Profile)

HFP (Hands Free Profile)

HSP (Hands Set Profile)

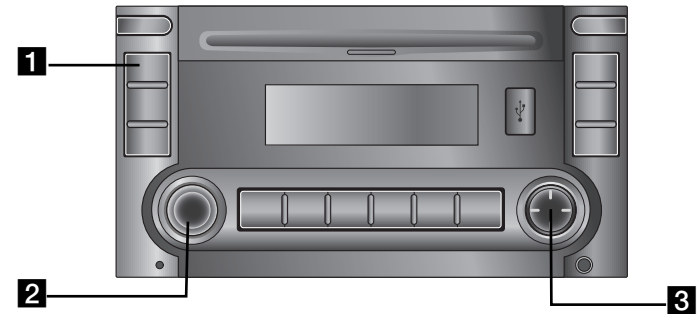
GAVDP (Generic Audio/Video Distribution Profile)

A2DP (Advanced Audio Distribution Profile)

AVRCP (Audio/Video Distribution Remote Control Profile)

OPP (Object Push Profile)

The buttons with bluetooth wireless technology



1 **B/T** : Press it to enter B/T setting.

2 • Press **PWR** : Go to the next contents of the setting.

• Rotate **PWR** : Move the contents vertically on the or choose a spell when you write the words on the unit.

3 • **←** : Press it to delete a spell or go back previous contents. Press more 1 second to delete all words entered on display when you write some words on the unit.

• **→** : When you write some words on the unit, press it to move next space on display.

Adjusting the setting. (Bluetooth wireless technology)

B/T

CALL	RECEIVED	RECEIVED/DIALED/MISSED Phone number list.
	DIALED	To call the phone number, select the phone number and press B/T .
	MISSED	To save it, select the phone number and press PWR . "SAVE" will be shown. Press PWR again. Rotate PWR to select a preset number(1-6). Press PWR again. The phone number be saved.
	PRESET	PRESET : Checking and deleting the phone number saved preset number. To delete the phone number, select the preset number by rotating PWR . And then press PWR . Press PWR again when the "DELETE" is displayed.
	REDIAL	REDIAL : Adjusting the counts of redial. (1 TIME <-> 2 TIMES.)
	DIAL	DIAL : Entering the number directly on the unit. To select the 1~10 rotate the volume. Press +▶ to make the phone number. To call it, Press B/T .
PHONEBOOK	LIST	LIST : Checking the list of the phone numbers saved by phonebook.
	SEARCH	Searching the phone number in the list. (English and Russian only) Press +▶ more 1 second to change the languages between Russian and English.
	GET (ADD)	GET : Getting the Phonebook from the phone automatically. (This menu is only available with phones supported this function.) ADD (Under disconnection) : PHONEBOOK -> ADD-> Press PWR -> "000/500" will be displayed. Then send the phonebook data from your phone. Depend on your phone, the sending process is different. Refer to your phone's guide.
CONNECTION	Connected Device Name	Connected Device Name will be displayed. When the unit is not under connection, you can search the phones available to connect. Select the register in the Connection contents.
SETUP	VISIBILITY	VISIBILITY : You can make it is impossible to search this unit. (SHOWN <-> HIDDEN)
	AUTO CONN	AUTO CONN : Adjusting connection with automatically or not. (ON <-> OFF)
	AUTO ANSWER	AUTO ANSWER : You can adjust answering automatically or not. (ON <-> OFF)
	MIC VOLUME	MIC VOLUME : Adjusting microphone volume on the phone from 1 to 5. While you are on the phone with bluetooth wireless technology, rotate PWR to adjust the MIC volume.
BT INFO	NAME	NAME : Changing the name of this unit.
	PIN-1234	PIN code : Changing the PIN code. Default is 1234.
	ADDRESS	ADDRESS : Checking the address.

Phone compatibility list (Bluetooth wireless technology)

Bluetooth list and manufacturing company applicable.

H : Handsfree

A : Audio Streaming (A2DP)

P : Phonebook Sync (GET)

V : Object Push(Vcard, ADD)

Company	List	H	A	P	V	Company	List	H	A	P	V	Company	List	H	A	P	V			
Nokia	3230	○			○	Nokia	N70	○			○	SONY	K610i	○	○	○	○			
	3250	○			○		N71	○			○		ERICSSON	K618i	○	○			○	
	3650	○		○	○		N73	○			○		K700i	○					○	
	5300	○	○	○	○		N77	○	○				○	K750i	○			○	○	○
	6021	○		○	○		N80	○					○	K770i	○	○				○
	6103	○		○	○		N90	○					○	K800i	○	○	○	○		○
	6120	○	○		○		N91	○					○	M600i	○	○	○	○		○
	6131	○		○			N92	○					○	P990i	○	○	○	○		○
	6230	○			○		N93	○					○	S500i	○	○	○			○
	6270	○		○			N95	○	○				○	S700i	○			○		○
	6280	○	○	○			N-Gage	○					○	T610	○			○		○
	6600	○			○	N-Gage QD	○				○	T618	○			○		○		
	6630	○			○	Motorola	A1000	○				○	T628	○			○		○	
	6650	○			○		A780	○				○	T68i	○			○		○	
	6670	○			○		E1000	○		○		○	V600	○			○		○	
	6680	○			○		E1070	○	○	○	○	○	V800	○			○		○	
	6681	○			○		E398	○		○	○	○	W550i	○			○		○	
	6820	○			○		E550	○		○	○	○	W710i	○	○		○		○	
	7370	○		○	○		E680	○				○	W800i	○			○		○	
	7380	○		○			E680i	○				○	W810i	○			○		○	
	7610	○			○		KRZR K1	○	○	○	○	○	W850i	○	○		○		○	
	7650	○			○		L72	○	○	○	○	○	Z1010	○			○		○	
	7600	○			○		RAZR V3	○		○		○	Z600	○			○		○	
	7610	○			○		RAZR V3i	○				○	Z608	○			○		○	
	7650	○			○		RIZR Z8	○	○			○	SAMSUNG	D500	○					
	8600	○	○		○		ROKR E2	○	○			○		D600	○	○				○
	8800	○	○	○	○		ROKR E6	○	○			○		D820	○	○	○			○
	9500	○			○		SLVR L7	○		○		○		D900	○	○				○
	3650 (Italy)	○			○		U6	○		○		○		E770	○	○	○			○
	5500 SPORT	○			○	V195	○				○	E900		○			○		○	
	6230i	○		○	○	V360	○		○		○	i600		○	○				○	
	6820a	○			○	V3X	○	○		○	○	T509		○					○	
	7500prism	○	○		○	V500	○		○	○	○	X820		○	○	○			○	
7650 (Italy)	○			○	V525	○		○	○	○	Z540V	○						○		
8910i	○		○	○	V600	○		○	○	○										
9300i	○			○																
E50	○			○																
E60	○			○																
E61	○																			
E62	○																			
E70	○			○																

Bluetooth list and manufacturing company applicable.		H : Handsfree A : Audio Streaming (A2DP)				P : Phonebook Sync (GET) V : Object Push(Vcard, ADD)														
Company	List	H	A	P	V	Company	List	H	A	P	V	Company	List	H	A	P	V			
SIEMENS	EF81	○		○	○	LG	CU500	○	○		○	PHILIPS	KE770	○	○		○			
	S55	○			○		KE970	○	○		○		M4410	○				○		
	S65	○			○		KG245	○			○		O2 Xda Atom	○	○					
	S88	○			○		KG800	○			○		SHARP	GX15	○				○	
	SK65	○			○		U880	○			○		GX25	○					○	
	SL75	○	○		○		U890	○	○				I-MATE	K-JAM	○					○
	SX1	○			○		KF600	○	○				PANTECH	PG6200	○	○				○
	SXG75	○			○		KE850 PRADA	○	○				NEC	N750	○					
BLACK BERRY	8100(PEARL)	○				KG290	○				N930	○								
	8800	○				KE500	○	○			SAGEM	MYX6-2	○							
	8707v	○				KM500	○	○												
HP	HW6915	○				KU990 VIEWTY	○	○												
PALM	Treo750v	○	○			KU580	○	○												
						KU970	○	○												
						KU960	○	○												
						U370	○													

Note

1. When the phone features <Bluetooth Power Save> function, you should make the function turned on to maintain connection.
2. When you switch the call mode from handsfree to phone, the connection may e disconnected.
3. Some phones don't support Reject function.
4. Low battery in phone may cause the problems.



“The *Bluetooth* word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by LG Electronics is under license. Other trademarks and trade names are those of their respective owners.”

Bluetooth® wireless technology is a system which allows radio contact between electronic devices within a max. range of 10 meters. Connecting individual devices under *Bluetooth*® wireless technology does not incur any charges. A mobile phone with *Bluetooth*® wireless technology can be operated via the Cascade if the connection was made via *Bluetooth*® wireless technology.

Operating condition for using a *Bluetooth* wireless technology function

- Close windscreen.
- Turn off the air conditioner/ heater.
- Stop the vehicle or drive at low speed.
- Make the call in a quiet location.
- There may be differences in call quality depending on phone type, road conditions weather, etc.
- Using the phone while driving may cause unexpected accidents.
- The *Bluetooth* wireless technology function may not operate properly with certain types of phones equipped with *Bluetooth* wireless technology.

Troubleshooting

	Symptom	Cause	Correction
General	Power doesn't turn on / The unit doesn't operate.	Leads and connectors are not properly.	Confirm once more that all connections are correct.
		The fuse is blown.	Rectify the problem that caused the fuse to blow, and then replace it. Be very sure to install the correct fuse with the same rate.
		Noise and other factors are causing the built-in microprocessor to operate incorrectly.	Turn the unit off and then on.
	No sound is heard / The volume level will not rise.	Cables are not connected correctly.	Connect the cables correctly.
CD	There's audio skipping.	This unit is not firmly secured.	Secure this unit firmly.
	The playback is not possible.	The disc is dirty.	Clean the disc.
		The loaded disc is of a type this unit cannot play.	Check what type the disc.
Radio	Radio stations cannot be tuned in.	The signal strength of the stations is too weak(when tuning in with automatic tuning.)	Tune in the stations manually.
		No station has been preset or preset stations have been cleared(when tuning by scanning preset stations.)	Preset the stations.(Refer to the page 7)

Specifications

General

Output Power	53 W x 4 CH (Max.)
Power Source	DC 12V
Speaker impedance	4 Ω
Ground System	Negative
Dimensions (W x H x D)	188 x 100 x 186 mm
Net Weight	1.59 kg

Tuner

FM

Frequency Range	87.5-107.9, 87.5-108
S/N Ratio	55 dB
Distortion	0.7 %
Usable Sensitivity	12 dB μ V

AM (MW)

Frequency Range	520-1720 or 522-1620 kHz
S/N Ratio	50 dB
Distortion	1.0 %
Usable Sensitivity	28 dB μ V

CD

Frequency Response	20 Hz-20 kHz
S/N Ratio	80 dB
Distortion	0.12 %
Channel Separation (1kHz)	55 dB

AUX

Frequency Response	20 Hz-20 kHz
S/N Ratio	80 dB
Distortion	0.1 %
Channel Separation (1kHz)	45 dB
Max Input Level (1kHz)	1.1 V

Bluetooth

TX POWER	4 dBm
Frequency Range	2402 ~ 2480MHz
Version	Bluetooth Specification 2.0 + EDR

USB

Version	USB 1.1
---------	---------

Line OUT

Subwoofer (optional)	
Frequency Response	20 Hz - 120 Hz
Output Volatage	1.8 V (Max.)
Line out	
Frequency Response	20Hz - 20 kHz
Output Volatage	1.8 V (Max.)

Designs and specifications are subject to change without notice.

