LG

Life's Good

OWNER'S MANUAL
DIGITAL MEDIA RECEIVER

Please read this manual carefully before operating
your set and retain it for future reference.

MAX620BO

MFL67409397

Safety Information

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE 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.

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

WARNING: Do not install this equipment in a confined space such as a book case or similar unit.

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 ℃ to 60 ℃)

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.

While driving, keep the sound volume at a proper level.

Do not drop it and avoid heavy impacts at anytime.

This unit is for vehicles with a 12-volt battery and negative grounding. Before installing it in a recreational vehicle, lorry or bus, check the battery voltage. To avoid shorts in the electrical system, be sure to disconnect the E battery cable before beginning the installation.

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 waste batteries/accumulators

1. When this crossed-out wheeled bin symbol is attached to batteries/accumulators of Your product it means they are covered by European Directive 2006/66/EC.

2. This symbol may be combined with chemical symbols for mercury(Hg), cadmium(Cd) or lead(Pb) if the battery Contains more that 0.0005% of mercury,0.002% of cadmium or 0.004% of lead.

3. All batteries/accumulators should be disposed separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.

4. The correct disposal of Your old batteries/accumulators will help to prevent potential negative consequences for the environment, animal and human health.

5. For more detailed information about disposal of Your old batteries/accumulators, please contact Your city office, waste disposal service or the shop where You purchased the product.

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 shall 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.

LG Electronics hereby declares that this/these product(s) is/are in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC, 2006/95/EC and 2009/125/EC.

European Standards Centre:
Krijgsman 1, 1186 DM Amstelveen The Netherlands

- Please note that this is NOT a Customer Service contact point. For Customer Service Information, see Warranty Card or contact the dealer that you purchased this product.

Indoor Use Only

RF Radiation Exposure Statement
This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

Table of Contents

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Front panel

a >II
Plays and pauses playback.
• TA (Optional)
Searches stations that have TA / TP information, when it is pressed and held.

b SRC
When pressed, selects function sources.
• OFF
When pressed and held, powers unit off.

c DISP
Press it, you can check the clock time.
• APP
Activates "LG CAR Remote" application.

d △ (EJECT)
Ejects the iPod/ iPhone DOCKING STATION.

e Display window

f iPod/iPhone DOCKING STATION

g AUX
If connected to other portable player, you can enjoy music from it on the unit.

h I≪
Skip / Search / Seek / Tune
↰
Returns to the previous step.

i Volume knob
- Adjusts volume level.
- Confirms the settings.
- Checks files or preset stations.

j ≫I
Skip / Search / Seek / Tune
CALL
Answers a call.
END
Ends a call.

k [F]
In each mode, sets playback items.
• MENU
Activates setting menu.

l △
Opens the front panel.

m Remote Sensor

Remote control
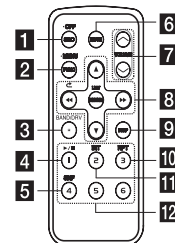
a SRC
When pressed, selects function sources.
• OFF
When pressed and held, powers unit off.

b FUNC
When pressed, sets playback items in each mode.
• MENU
When pressed and held, activates setting menu.

c BAND/DRV
Selects a band in Tuner mode.

d ▶/ II Plays or pauses playback.

e SHF Shuffles playback.

f MUTE Temporarily stops the sound.

g VOLUME ∧ / ∨
Adjusts volume level.

8 ◄◄ / ►►
Skip / Search / Seek / Tune
⮌
Returns to the previous step.
▲ / ▼
- List up / down
- Adjusts settings.
- Moves 10 MP3 / WMA files backward or forward if there is no folder or one folder on a SD card.
- Moves to the previous or next folder if there are more than 2 folders on a SD card.
ENTER / LIST
- Confirms the settings.
- Checks files or preset stations.

9 DISP
Press it, you can check the clock time.

10 RPT
Repeats playback.

11 INT
Intro scan.

12 Numeric buttons (1 to 6)
Selects a numbered preset station in TUNER.

Battery Installation

Type 1
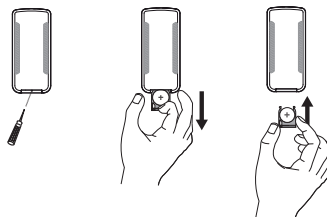
Type 2
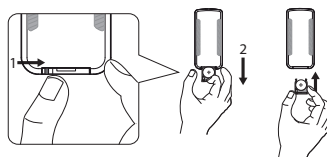
> **① Note**
>
> - Use only one CR2025 (3 V) lithium battery.
> - Remove the battery if the remote control is not used for a long period of time.
> - Do not leave the product in a hot or humid place.
> - Do not handle the battery with metallic tools.
> - Do not store the battery with metallic materials.

Installation

Basic Installation
Before installing, make sure that the ignition-switch is set to OFF and remove the terminal of the car battery to avoid short-circuiting.

Bend the claws according to the thickness of the dashboard.

Control panel
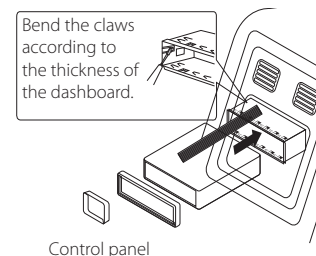
1. Remove the existing receiver unit.
2. Make the necessary connections.
3. Install the installation sleeve.
4. Install the unit into the installation sleeve.

Removing the existing receiver unit
If there is already an installation sleeve for the receiver unit in the dashboard, it must be removed.
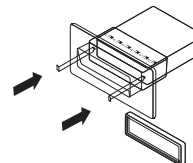
1. Remove the rear support from the unit.
2. Remove the control panel and trim ring from the unit.
3. Insert the lever into the hole on one side of the unit. Perform the same operation on the other side and pull the unit out from the mounting sleeve.

ISO-DIN Installation
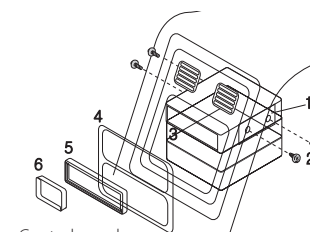
Control panel

1. Slide the unit into the ISO-DIN frame.
2. Fit screws removed from the old unit.
3. Slide the unit and frame into the dash opening.
4. Install the dash panel or adapter plate. (According to models, this step may not be needed.)
5. Install the trim ring to the unit.
6. Install the control panel to the unit.

About detachable control panel

Attaching the control panel
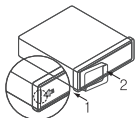
1. Align the left side of the panel with the stopper.
2. Push the right side of panel into the unit until it clicks.

⚠ Caution

- The control buttons may not work properly if the control panel is not attached properly. If this occurs, gently press the display.

- Do not leave the control panel in any area exposed to high temperatures or direct sunlight.

- Do not drop the control panel or otherwise subject it to strong impact.

- Do not allow such volatile agents as benzine, thinner, or insecticides to come into contact with the surface of the control panel.

Detaching the control panel

1. Press the ⏏ to open the control panel.
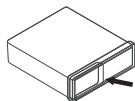
2. Lift the control panel slightly.
3. Push the control panel to right.
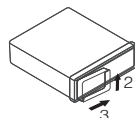
4. Pull the control panel out of the unit.
5. Put the detached control panel into the protective case.

Control panel
Protective Case
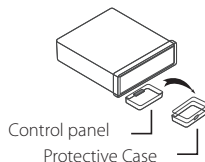
! Note

Periodically wipe the contacts on the back of the control panel with a cotton swap moistened with alcohol. For safety, turn off the ignition before cleaning, and remove the key from the ignition switch.
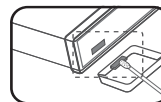
Connection

Connecting to a car

Before installing, make sure that the ignition-switch is set to OFF and remove the terminal of the car battery to avoid short-circuiting.

Wired mic

Wired remote input (Black): Hard-wired control adapter can be connected. (Optional)

To Audio out

To Audio in

Sub-woofer Left — Sub-woofer Right
Front Left — Front Right
Rear Left — Rear Right

Sub-woofer

Amplifier

Power Antenna

A   B

B ❻ Power Antenna (Blue)

Control Relay

B ❼ Not connected

B ❸ To Ignition (Red)

Ignition Switch

B ❹ To Battery (+) (Yellow)

B ❽ Ground (-) (Black)

BATTERY

B ❺ Remote On
(Blue / White)

Amplifier

B ❷ Not connected

B ❶ Not connected
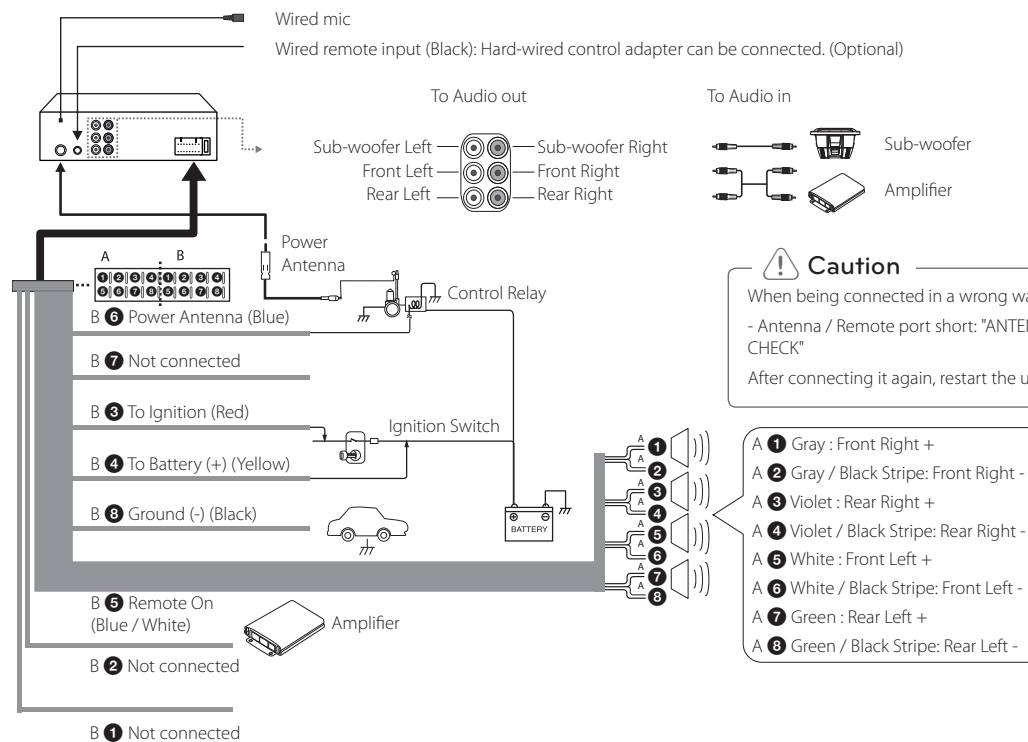
⚠ **Caution**

When being connected in a wrong way, the unit displays as follows.

- Antenna / Remote port short: "ANTENNA/ REMOTE ON PORT SHORT CIRCUIT CHECK"

After connecting it again, restart the unit.

A ❶ Gray : Front Right +

A ❷ Gray / Black Stripe: Front Right -

A ❸ Violet : Rear Right +

A ❹ Violet / Black Stripe: Rear Right -

A ❺ White : Front Left +

A ❻ White / Black Stripe: Front Left -

A ❼ Green : Rear Left +

A ❽ Green / Black Stripe: Rear Left -

Operation

Basic operations

1. Turn the unit on by pressing any key on the unit.
2. Select a source by pressing SRC.
3. Rotate the volume knob to adjust the volume on the unit.
   Or press VOLUME Λ / V on the remote control.

Turning off the sound temporarily

1. Press >|| to mute your unit. (When MP3/ WMA file is played, it will be paused.)
   Or press MUTE on the remote control.
2. Press it again to cancel

Checking the clock

1. Press DISP.
2. Press it again to cancel.

Resetting the unit

You can reset the unit when it does not operate properly.

1. Detach the control panel.
   Refer to page 6 for detaching the control panel.
2. Press the RESET hole with a sharp object.
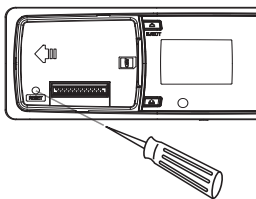
Adjusting the general settings

You can adjust [SOUND], [LIGHT] and [OTHER] settings.

On the unit

1. Press and hold • MENU.
2. Rotate the volume knob to select [SOUND], [LIGHT], or [OTHER] and press it.
3. Rotate the volume knob to select the item and press it.
4. Rotate the volume knob clockwise or counterclockwise to adjust the level.
5. Press the volume knob to confirm the setting.
   If you want to return to the previous step, press ⮌.

On the Remote Control

1. Press and hold FUNC / • MENU.
2. Press ▲ / ▼ to select [SOUND], [LIGHT], or [OTHER] and press ENTER.
3. Press ▲ / ▼ to select the mode and press ENTER.
4. Press ▲ / ▼ to adjust the level.
5. Press ENTER to confirm the setting.
   If you want to return to the previous step, press ⮌ .

For [SOUND] setting

You can adjust sound quality by adjusting the level BAL (left/right speaker), FAD (front/rear speaker), SW (Subwoofer), SW-F (Subwoofer frequency), A-EQ (Auto EQ).

- SW (Subwoofer)
  You can adjust the volume of subwoofer.
- SW-F (Subwoofer frequency)
  OFF/ SW 55 Hz/ SW 85 Hz/ SW 120 Hz
  You can enable the subwoofer.
- A-EQ (Auto EQ) OFF/ ON
  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.
- EQ (Equalizer)
  EQ is to increase or decrease the signal strength of audio frequencies. The function helps you to enjoy sound more plentifully.
  FLAT ➡ B-BOOST (BASS BOOSTER) ➡ POP ➡ CLASSIC ➡ ROCK ➡ JAZZ ➡ VOCAL ➡ SALSA ➡ SAMBA ➡ REGGAE ➡ RUSSY ➡ U-EQ1 ➡ U-EQ2
- U-EQ1 / U-EQ2
  When you set the EQ to U-EQ1/2 mode: You can adjust the level of BAS (bass), MID (middle), TRB(treble).

- EFFECT
  OFF/ 3D SOUND/ MP3 OPTIMIZER
  You can use 3D SOUND/ MP3 OPTIMIZER.
  3D SOUND: This mode delivers outstanding surround sound.
  MP3 OPTIMIZER: This mode enhances the quality of compressed music file.

> **ⓘ Note**
>
> 3D SOUND/ MP3 OPTIMIZER is only available when you use the SD card.

For [LIGHT] setting

You can adjust the light effects by adjusting DIM, or DIM LV.

- DIM (Dimmer) OFF / ON : You can change the brightness of the display window during the power-on status.

Settings	Description
DIM ON	The display window becomes dark.
DIM OFF	The display window becomes bright.

- DIM LV (Dimmer Level) : When you set DIM to ON, you can adjust the dimmer level. (-2, -1, 0, +1, +2)

For [OTHER] setting

- 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.

- 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.

- BEEP 2ND / ALL
  BEEP 2ND : The beep is generated when a key is pressed for longer than 2 seconds.
  BEEP ALL : The beep is generated when any key is pressed.

- CLOCK
  For the model RDS is not supported unit or even for a RDS supported unit.
  - When RDS CT information is not received and then you set CT to OFF, you can adjust the time by yourelf. Set the clock as follows ;
  1. Select a source to TUNER.
  2. Press [F] to select the CT and then set CT to OFF. (Refer to the " Adjusting TUNER settings " on the page 10 for setting the CT (Clock Time) ON / OFF.)
  3. Press and hold • MENU on the unit to select [OTHER] and then select CLOCK by rotating the volume knob.
  4. Set the hour by rotating the volume knob.
  5. Press the volume knob to confirm the hour.
  6. Set the minute by rotating the volume knob.
  7. Press the volume knob to confirm the minute.
  - When RDS CT information is received; The clock is displayed according to the RDS CT information.
  - When RDS is not supported, set the clock according to 3 to 7 steps.

Listening to music from an external device

1. Connect an external device to the AUX jack with line input cable.
2. Select a source to AUX.
3. Play the connected Auxiliary Equipment.

Preventing radical changes in volume as switching sources

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 by selecting GAIN 0/ +3/ +6.

1. Press [F] on the unit.
   Or press FUNC / • MENU on the remote control.
2. Rotate the volume knob on the unit. Or press ▲ / ▼ on the remote control to set the option. (GAIN 0/ +3/ +6)
3. Press the volume knob on the unit. Or press ENTER on the remote control to confirm the setting.
4. If you want to return to the previous step, press ⇆ .
   Or press ⇄ on the remote control.

Listening to the radio

1. Press SRC repeatedly to select a source to TUNER.
2. Press [F] to select BAND and then set BAND to desired band.
3. For manual search, press and hold |≪ / ≫| on the unit until "MANUAL" is displayed. Then press it repeatedly to select a desired frequency.
   Or press and hold ◄◄ / ►► on the remote control.
   For auto search, press |≪ / ≫| on the unit. Then "SEARCH" is displayed. (Except MW)
   Or press ◄◄ / ►► on the remote control.

Storing desired frequencies manually

1. Press [F] to select BAND and then set BAND to desired band.
2. Select the desired frequency by using |≪ / ≫| on the unit.
   Or use ◄◄ / ►► on the remote control.
3. Press the volume knob and rotate the volume knob to select a preset station among 1 to 6 and then press and hold the volume knob until the beep sound is heard.
   Or press and hold one of preset buttons among 1 to 6 on the remote control until the beep sound is heard.
4. Repeat steps 1 to 3 to preset other stations.

3

Operating

(!) 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 to a preset station

1. Press [F] to select BAND and then set BAND to desired band.
2. Press the volume knob on the unit. Or press ENTER on the remote control.
3. Rotate the volume knob to select a preset station. Or press ▲ / ▼ on the remote control.
4. Press the volume knob. Or press ENTER on the remote control. Or

Selects the desired band and then press the desired preset button among 1 to 6 on the remote control.

Adjusting TUNER settings

On the unit

1. Press [F].
2. Rotate the volume knob to select an item and press it.
3. Rotate the volume knob to set the option and press it.
4. If you want to return to the previous step, press ⬆.

On the Remote Control

1. Press FUNC / • MENU.
2. Press ▲ / ▼ to select an item and press ENTER.
3. Press ▲ / ▼ to set the option and press ENTER.
4. If you want to return to the previous step, press ⮌.

- BAND
You can select the desired band.
FM1/ FM2/ FM3/ MW (AM)

- A / S (Auto Store)
The six strongest broadcasting frequencies will be stored under preset button 1 to 6 in the order of their signal strength. To cancel, press the volume knob.

- P / S (Preset scan)
Each preset station appears. To cancel, press the volume knob.

- SENS (Tuner sensitivity) MID / HI / LOW
In an area in which signal reception is weak, it helps the tuner to search more stations. The weaker the reception is, the lower option you should set to.
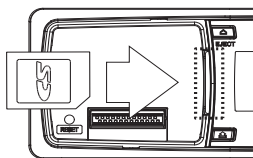
RDS (OPTIONAL)

- PTY (Program type)
It searches the radio stations by program type of FM tuner.
The program types are displayed as follows.

PTY OFF	WEATHER	ROCK M
NEWS	FINANCE	EASY M
AFFAIRS	CHILDREN	LIGHT M
INFO	SOCIAL	CLASSICS
SPORT	RELIGION	OTHER M
EDUCATE	PHONE IN	JAZZ
DRAMA	TRAVEL	COUNTRY
CULTURE	LEISURE	NATION M
SCIENCE	DOCUMENT	OLDIES
VARIED	POP M	FOLK M

- 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. (In 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 : When the frequency of a tuned station switches to an AF (Alternative frequency) with an unidentified PI, it keeps the sound.
PI MUTE : When the frequency of a tuned station switches to an AF with an unidentified PI, it mutes the sound until the PI is identified.

- CT (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 9 for setting the clock.

Using a SD card

1. Detach the control panel. (Refer to "About detachable control panel" on page 6.)
2. Insert the SD card.

Pausing or restarting playback

1. Press >❚❚ on the unit to pause playback.
   Or press ▶/❚❚ on the remote control.
2. Press it to resume playback.

Searching for a section within a file

1. Press and hold |≪ / ≫| on the unit for about 1 second during playback.
   Or press and hold ◀◀ / ▶▶ on remote control.
2. Press >❚❚ on the unit at the point you want.
   Or press ▶/❚❚ on the remote control.

Skipping to another file

Press |≪ / ≫| on the unit.
Or press ◀◀ / ▶▶ on the remote control.

> **Note**
>
> To skip to previous file, press briefly |≪ within 3 seconds of playing time.

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 file playback. If there is no information, "NO TEXT" will be shown in the display window.

Playing back files in a way you want

On the unit

1. Press **F**.
2. Rotate the volume knob to select an item and press it.
3. Rotate the volume knob to select the option.
4. Press the volume knob to set the option.
   If you want to return to the previous step, press ⬅ .

On the Remote Control

1. Press INT / RPT / SHF.
2. Press it again to cancel.
                    Or
1. Press FUNC / • MENU.
2. Press ▲ / ▼ to select an item and press it.
3. Press ▲ / ▼ to select the option.
4. Press ENTER to set the option.
   If you want to return to the previous step, press ⬅ .

- RPT (Repeat)
  The current selected file (1 RPT) or files in the current selected folder (■ RPT) is played repeatedly.

- SHF (Shuffle)
  All files (SHF) or each files in the current selected folder (■ SHF) are played randomly. During random playback, even if you press |≪, you won't go back to the previous file.

- INT (Intro Scan)
  The first 10 seconds of all files (INT) or each files in the current selected folder (■ INT) are played.

Quick search of a desired file

1. Press the volume knob on the unit.
   Or press ENTER on the remote control.
2. Rotate the volume knob on the unit to select a desired ROOT or folder and press it.
   Or press ▲ / ▼ and press ENTER on the remote control.
3. Rotate the volume knob on the unit to select a desired file and press it.
   Or press ▲ / ▼ and press ENTER on the remote control.

Playable SD card Requirement

- SD card which requires additional programme installation when you have connected it to a computer, is not supported.

- Regular back up is recommended to prevent data loss.

- Some SD card may not work with this unit.

- Using FAT (16 / 32) file system is supported.
  Using NTFS file system is supported to read only.

- Sampling Frequency / 8 kHz to 48 kHz (MP3) 22.05 kHz to 48 kHz (WMA).
 Bit rate / within 8 kbps to 320 kbps (include VBR) (MP3) 32 kbps to 320 kbps (WMA).

> **Note**
>
> If you connect the iPod/ iPhone while using the SD card, it may not be able to charged.

3

Listening to music by connecting iPod/iPhone

You can enjoy iPod / iPhone-stored music on the unit.

1. Press ⏏.
2. Connect the iPod / iPhone.
3. Press SRC to select a source to IPOD. (iPod/ iPhone docking station can be rotated by quarter)
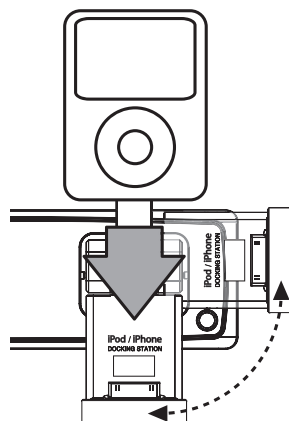
> ⚠ Caution
>
> Please press ⏏ to close the iPod/ iPhone docking station when you are not using it. When there happen a sudden halt of a car or an unexpected car accident, you might be hurt by using the protruding iPod/ iPhone docking station.

> ❗ Note
>
> During iPod/ iPhone playback, if the iPod/ iPhone and the unit are paired via Bluetooth wireless technology, it may not sound. In such case, change the audio output of the iPod/ iPhone to "Dock Connector" or change the input source of the unit to "BT".

Pausing or restarting playback

1. Press ▶❚❚ on the unit to pause playback.
   Or press ▶/❚❚ on the remote control.
2. Press it to resume playback.

Searching for a section within a file

During playback, press and hold ❙◀◀ / ▶▶❙ and then release at a point you want.

Skipping to another file

Press ❙◀◀ / ▶▶❙ on the unit.
Or press ◀◀ / ▶▶ on the remote control.

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 file playback. If there is no information, "NO TEXT" will be shown in the display window.

Playing back files in a way you want

On the Unit

1. Press Ⓕ.
2. Rotate the volume knob to select an item and press it.
3. Rotate the volume knob to select the option.
4. Press the volume knob to set the option.
   If you want to return to the previous step, press ⬑.

On the Remote Control

1. Press RPT / SHF.
2. Press it again to cancel.
   Or
1. Press FUNC / • MENU.
2. Press ▲ / ▼ to select an item and press ENTER.
3. Press ▲ / ▼ to select the option.
4. Press ENTER to set the option.
   If you want to return to the previous step, press ⮌.

- RPT (Repeat)
  The current selected file (1 RPT) or files on the iPod / iPhone is played repeatedly.

- SHF (Shuffle)
  All of the files (SHF) on the iPod / iPhone are played randomly.

- SPD (BOOK SPEED)
  You can adjust the audiobook speed of iPod / iPhone to NOR (Normal), SLOW or FAST.

Playing back files by music menus

You can check files by music menus and play it back.

The music menus are as follows.

PLAYLISTS ➡ ARTISTS ➡ ALBUMS ➡ GENRES ➡ SONGS ➡ COMPOSER ➡ AUDIO BOOK ➡ PODCAST ➡ ...

1. Press the volume knob on the unit.
   Or press ENTER on the remote control.
2. Rotate the volume knob on the unit to select a music menu and press it.
   Or press ▲ / ▼ on the remote control.
3. Rotate the volume knob on the unit to select a file.
   Or press ▲ / ▼ on the remote control.
4. Press the volume knob on the unit to confirm the setting.
   Or press ENTER on the remote control.
5. If you want to return to the previous step, press ⬑.
   Or press ⮌ on the remote control.

iPod/ iPhone CONTROL MODE

You can control on the unit and iPod / iPhone.

• Press **F** on the unit to select CONTROL and then set CONTROL to IPOD. Then playback is paused. And you can control on the unit and iPod / iPhone.

• While using the iPod/iPhone CONTROL MODE, any functions are not available on the unit.

• Sets CONTROL to HEAD UNIT to cancel the iPod/ iPhone CONTROL MODE.

Compatible iPod / iPhone models

• iPod classic

• iPod nano 6th generation

• iPod touch 4th generation

• iPhone 3G / 3GS / 4

We recommend that you use the OS Version 4.2.1 or more.

Made for
iPod **iPhone**

"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
Please note that the use of this accessory with iPod, iPhone may affect wireless performance.

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. The process of pairing may be different depend on the phones. The PIN CODE is 1234.

	ON PLAYER
1. Select the source to BT	SRC
2. Search the phones supported Bluetooth wireless technology.	**F**
3. Select a phone you want to connect.	Rotate the volume knob
4. Connect the phone.	Press the volume knob

Microphone

The microphone needs to be close to and pointed toward the person speaking. Install the microphone as shown below.

Microphone unit
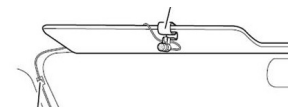
> **! Note**
>
> If you power off the unit while talking on the phone through the unit by using the BT function, the function is deactivated and you can talk on the phone directly.

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Operating

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Operating

Using a Bluetooth wireless technology

Disconnecting a phone

Press **F** -> DISCONNECT -> YES

Answering and Ending a call

To answer a call, press CALL.

To end a call, press END.

Rejecting a call

To reject a call, press ⬆.

Audio transfer

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

1. Press CALL to answer the call.
2. Press and hold the volume knob. The "PRIVATE" is displayed.

If the private mode is selected on the unit, press and hold the volume knob to return to the call to handsfree mode.

> **! Note**
>
> The call waiting function is not supported. We do not guarantee any errors due to use of the call waiting function.

Listening to music of the Bluetooth device

When your unit and the Bluetooth device are pairing, Press SRC repeatedly to select "BT". And play the music stored on your Bluetooth device. Refer to the your Bluetooth device's user guide.

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)

GAVDP (Generic Audio / Video Distribution Profile)

A2DP (Advanced Audio Distribution Profile)

AVRCP (Audio / Video Distribution Remote Control Profile)

Adjusting the setting

1. Press **F**.
2. Rotate the volume knob to select an item and press it.
3. Rotate the volume knob to set the option and press it.
4. If you want to return to the previous step, press ⬆ .

SETUP

- VISIBLE
  Makes it is impossible to search this unit. (SHOWN <-> HIDDEN)

- A-CON
  Adjusts connection with automatically or not. (ON <-> OFF)

- A-ANS
  Adjusts answering automatically or not. (MANUAL <-> AUTO)

- MIC_VOLUME
  Adjusts microphone volume on the phone from 1 to 5. While you are on the phone with handsfree mode, press **F** and rotate the volume knob to adjust the microphone volume.

INFO

- NAME
  Checks the name of this unit.

- ADDRESS
  Checks the address.

- PINCODE
  Changes the PIN code. Default is 1234.

CONNECT/ DISCONNECT

- CONNECT
  When unit is not connected with Bluetooth wireless technology, you can search the phones available to connect.

- DISCONNECT
  When unit is connected with Bluetooth wireless technology, you can disconnect the phone.

Using "LG CAR Remote" application

You can control the unit by using the "LG CAR Remote" application.

1. Search the "LG CAR Remote" application and install it.

[Displays installed "LG CAR Remote" application]

2. Pairing links your unit and iPhone with Bluetooth wireless technology. (Refer to the page 13.)

3. Press and hold • APP.
When you run the "LG CAR Remote" application, activating source is displayed after initial screen. Then you can control the unit on iPhone.

[Initial screen] [Tuner screen]

You can select a source by pressing "SOURCE".

[Source Mode screen]

Phone compatibility list

Bluetooth list and manufacturing company applicable.															
H : Handsfree		A : Audio Streming													
Company	List	H	A	Company	List	H	A	Company	List	H	A	Company	List	H	A
LG	KM380	0	0	SAMSUNG	S8003 JET(8GB)	0	0	Nokia	E71	0	0	SONY ERICSSON	W595	0	0
	KM900(Arena)	0	0		S8300 Ultra Touch	0	0		E75	0	0		W705	0	0
	KP500(Cookie)	0	0		B5722	0			N86	0	0		W980i	0	0
	KS500	0	0		B7330 (Omnia Pro)	0	0		N97	0	0		Xperia-X1	0	0
	KT520	0	0		C3303K (Champ)	0	0		C6	0	0		Vivaz	0	0
	KT610	0			M5650U (Lindy)	0	0		E5	0	0		Xperia-X2	0	0
	KU990	0	0		M8910 (Pixon12)	0	0		E52	0	0		Xperia-X10	0	0
	GD900	0	0		S7350	0	0		N97-1	0	0				
	BL40 (New Chocolate)	0			S8500 (Wave)	0	0		N900	0	0				
	KM335	0	0		i5503 (Galaxy 5)	0	0		6710 (Navigator)	0	0				
	GD510 (POP)	0	0		i5700 (Galaxy Spica)	0	0								
	GD880	0	0		i7500 (Galaxy)	0	0								
	GM730	0	0		i9000 (Galaxy S(16G))	0	0								
	GS500 (Cookie Plus)	0	0		T959	0									
	GT505	0	0		Galaxy Tab	0	0								
	GT540	0	0												
	GW305	0	0												
	GX500	0	0												

Bluetooth list and manufacturing company applicable.							
H : Handsfree				A : Audio Streming			
Company	List	H	A	Company	List	H	A
APPLE	iPhone 3GS (16GB)	0	0	Motorola	XT701	0	0
	iPhone 4 (16GB)	0	0		XT720 (MOTOROI)	0	0
	i-Pad		0		Milestone Droid	0	0
ASUS	P750	0	0				
HTC	Hero G3	0	0				
	Touch2	0	0				
	Legend	0	0				
	Desire	0	0				
Rim	Storm2 9550	0	0				

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

❚❚ Bluetooth®

"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.

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Operating

Troubleshooting

Symptoms	Cause	Solution
Power doesn't turned 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 again.
No sound is heard.	Cables are not connected correctly.	Connect the cables correctly.
There's audio skipping.	This unit is not firmly secured.	Secure this unit firmly.
Radio stations cannot be tuned in.	The signal strength of the stations is too weak. (When tuning in with automatic tuning.)	Tuned in the stations manually.
	No station has been preset or preset stations have been cleared. (When tuning by scanning preset stations.)	Preset the stations.
iPod/ iPhone does not work.	Check whether iPod / iPhone is connected to the unit correctly.	Connect it to the unit correctly.
The unit does not operate correctly even when the appropriate remote control buttons are pressed.	Battery power is low.	Load a new battery.

Specifications

General

Output Power : 53 W x 4 CH (Max.)

Power Source : DC 12 V

Speaker impedance : 4 Ω

Ground System : Negative

Dimensions (W x H x D) : (178 x 50 x168) mm (without Control Panel)

Net Weight : 1.10 kg

TUNER

FM Tuning Range :

87.5 MHz to 108.0 MHz
S / N Ratio : 55 dB
Distortion : 0.7 %
Usable Sensitivity : 12 dBμV

AM (MW) Tuning Range :

(520 to 1720) kHz or (522 to 1620) kHz
S / N Ratio : 50 dB
Distortion : 1.0 %
Usable Sensitivity : 28 dBμV

AUX

Frequency Response : 20 Hz to 20 kHz

S / N Ratio : 80 dB

Distortion : 0.1 %

Channel Separation (1 kHz) : 45 dB

Max Input Level (1 kHz) : 1.1 V

SD

Distortion : 0.1 %

Bluetooth

TX POWER 4 dBm

Version Bluetooth Specification 2.1 + EDR

Line OUT

Frequency Response : 20 Hz to 20 kHz

Output Voltage : 2 V (Max.)

Subwoofer

Frequency Response : 20 Hz to 120 Hz

Output Voltage : 2 V (Max.)

• Design and specifications are subject to change without notice.

5

Appendix