

User manual



INSTRUCTION MANUAL

MP3/USB/AUX/BLUETOOTH

CD PLAYER WITH

AM/FM RADIO

MANUEL D'INSTRUCTIONS

LECTEUR MP3/USB/BLUETOOTH

CD AVEC

RADIO AM/FM



QDID: B014045

BEFORE USE

Before operating the unit, please read this manual thoroughly and retain it for future reference.

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BLUETOOTH SUMMARY

This Car Audio Unit is special for its Bluetooth function. (Bluetooth Ver. 2.0)

The Bluetooth technology is a wireless connection with a short range. That is, the cellular phone must be close to the car audio system (in the vehicle)

The integrated Bluetooth module in your audio unit allows the hands-free use of a phone via a Bluetooth connection. The cellular phone can remain in the bag or the glove compartment, while you have both hands free for steering.

The Bluetooth function allows for:

- Automatic phone connection
- Caller ID display
- Redialing for last call
- Call transfer & pairing
- DSP Echo / Noise cancelling
- A2DP (Audio streaming)
- AVRCP (Music play control via phone)
- Battery level indicator (phone dependent)
- Network level indicator (phone dependent)
- Microphone included (Built in to the Audio Unit)

Important Notes:

Keeping well your phone connect with Bluetooth technology, followings are strongly recommended.

- Talking in a driver's seat, better close to the Audio Unit.
- Off road driving or opening window, higher speed (over 50Km) should be heard loud noise during phone conversation.
- Talking the call through out the speaker phone with other hand free kits must be heard loud noise or unclear talks.
- Air conditioner or heater may cause interruption noise to be heard.
- Cell phone are not too close to the audio unit to avoid GSM noise caused.
- Extreme weather may cause not to work the Bluetooth function in the audio unit.

OPERATING INSTRUCTIONS

1 - (1) POWER ON/OFF

Press Button (1) to turn the unit on or off.

1 - (2) VOLUME CONTROL

Turn Knob (1) right to increase the volume level and left to decrease the volume level. After 5 seconds the display will return to the previous display mode.

1 - (3) INITIAL VOLUME LEVEL SET UP

I-VOL is the volume level the unit will play at when next turned on. To adjust the I-VOL level, press and hold button (1) longer than 2 seconds. The current volume level is displayed as a flashing number on the display panel. Turn button (1) again to set that volume level as the I-VOL level.

2. MENU SELECTION

This button can adjust the sound effect and other things. Each time you press button 2, LCD displays as follows:

┌ BASS --> TREB --> BAL L=R --> FAD F=R --> LOUD ON -->BEEP 2ND ┐

On each setting, the level can be controlled by turning knob (2). The display will automatically return to the previous display mode 5 seconds after the last adjustment is made.

2 - (1) BASS CONTROL

To adjust the bass tone level, first select the bass mode by pressing button 2 until "BASS" appears on the display panel. Within 5 seconds of selecting the treble mode, turn knob (2) right or left to adjust the bass level as desired. The bass level will be shown on the display panel from a minimum of "BASS -10" to a maximum of "BASS +10".

2 - (2) TREBLE CONTROL

To adjust the treble tone level, first select the treble mode by pressing button (2) until "TREB" appears on the display panel. Within 5 seconds of selecting the treble mode, turn knob (2) right or left to adjust the treble level as desired. The treble level will be shown on the display panel from a minimum of "TREB -10" to a maximum of "TREB +10".

2 - (3) BALANCE CONTROL

To adjust the left-right speaker balance, first select the Balance mode by pressing button (2) until "BAL" indication appears on the display panel. Within 5 seconds of choosing the Balance mode, turn knob (2) right or left to adjust the balance as desired. The balance position will be shown by the bars on the display panel from "BAL 10L" (full left) to "BAL 10R" (full right).

2 - (4) FADER CONTROL

To adjust the front-rear speaker balance, first select the Fader mode by pressing button (2) until "FADER" indication appears on the display panel. Within 5 seconds of choosing the Fader mode, turn knob (2) right or left to adjust the front-rer speaker level as desired. The fader position will be shown by the bars on the display panel from "FAD 10F" (full front) to "FAD 10R" (full rear).

OPERATING INSTRUCTIONS

2- (5) LOUD CONTROL

When listening to music at low volume levels, this feature will boost the bass and treble response. This action will compensate for the reduction in bass and treble performance experienced at low volume. To select the loudness feature, press button (2) until "LOUD ON" or "LOUD OFF" is displayed, then turn knob (2) left or right to activate or deactivate loudness.

2 - (6) BEEP CONTROL

To adjust the BEEP mode, first select the BEEP mode by pressing button (2) until "BEEP" indication appears on the display panel. The Beep mode will be shown on the display panel from "BEEP 2ND", to "BEEP OFF". The display will automatically return to the normal indication in 5 seconds after the last adjustment or when another function is activated. Select "BEEP 2ND" when you wish to hear "BEEP" sound whenever any Tuner Pre-set button and/or Seek Track buttons are pressed for more than 3 seconds.

6. MUTE CONTROL

Press MUTE button (6) momentarily to mute volume and "MUTE" mark will blink on the LCD panel. Press the button again to return to the mode in use before the Mute mode was activated.

7. EQ CONTROL

You can select an equalizer curve for 4 music types (CLASSIC, POP, ROCK, JAZZ). Press EQ (7) button repeatedly until the desired equalizer curve. Each time you press this button, LCD displays each mode as follows.

EQ OFF --> CLASSIC --> POP --> ROCK --> JAZZ

Note: When the EQ mode is activated, the BASS and TREBLE modes are not displayed.

23. IGNITION OFF, BLINKING LED

This LED blinks every 1 second when the ignition is turned off.

GENERAL



1. POWER ON/OFF / VOLUME UP/DOWN CONTROL BUTTON
2. SOUND FUNCTION SELECTION / MANUAL UP/DOWN TUNING
3. AM/FM BAND BUTTON (FM/AM)
4. CD/USB BUTTON (CD/USB)
5. AUX BUTTON (AUX)
6. AUDIO MUTE BUTTON (MUTE)
7. EQUALIZER BUTTON (EQ)
8. CALL TRANSFER / PAIRING BUTTON
9. SEND BUTTON
10. END BUTTON
11. AUTOMATICAL DOWN TUNING TRACK DOWN & REVIEW
12. AUTOMATICAL UP TUNING / TRACK UP & CUE
13. AUX IN JACK
14. STATION PRESET BUTTON / DISPLAY
15. STATION PRESET BUTTON / SCAN PLAY
16. STATION PRESET BUTTON / REPEAT PLAY
17. STATION PRESET BUTTON / RANDOM PLAY
18. STATION PRESET BUTTON / DIRECTORY DOWN
19. STATION PRESET BUTTON / DIRECTORY UP
20. USB CONNECTOR
21. DISC EJECT
22. PRESET STATIONS SCAN / BEST STATION MEMORY
23. IGNITION OFF, BLINKING LED
24. DISC SLOT

RADIO

3. AM/FM button

Each time you press button (4), LCD display as follows:

FM1 --> FM2 --> FM3 --> AM1 --> AM2

2 - (1) MANUAL TUNING

To manually tune to a radio station, simply turn encoder volume (2) left or right to increase or decrease the radio frequency.

11~12 UP/DOWN SEEK

To automatically select a radio station, simply press SEEK (11) to seek up and press TRACK to seek down.

14~19 STATION PRESET BUTTON

While in radio mode, pressing buttons (14) to (19) for less than 2 seconds will recall the radio station that memory. To store desired stations into any of the 6 preset memories, in either the AM or FM bands, use the following procedure:

- a. Select the desired station.
- b. Press and hold any of the display panel indicating that the station is now set into that preset memory position.

22. PRE-SET SCAN (PS) / BEST STATION MEMORY (BSM) BUTTON

22-(1) PRE-SET SCAN (PS)

Press BSM button (22) momentarily to scan the 12 pre-set station stored the memories on the AM bands or the 18 pre-set stations stored the memories on FM bands. The unit will stop at each pre-set station (the pre-set number on the display panel will flash during pre-set scan operation) and remain on the selected frequency. Press the button momentarily again to remain on the station currently being heard.

22-(2) BEST STATION MEMORY (BSM)

Pressing BSM button (22) for longer than 2 seconds will activate the BSM tuning feature which will automatically scan and enter each station into memory. If you have already set the pre-set memories to your favorite stations, activating the BSM tuning feature will erase those stations and enter the new ones. This BSM feature is most useful when travelling in a new area where you are not familiar with the local stations.

CD PLAYER

2. TRACK SELECTION

2 - (1) TRACK SELECTION FUNCTION

During CD/USB player function, turn button (2) right or left to move the playback forward to the next track or backwards to the start of the current or previous track.

2 - (2) MP3 DIRECTORY / FILE SEARCHING

Button (2) is used to select a particular directory and file on a MP3 disc. Press and hold button (2) for more than 2 seconds. Then, turn button (2) right or left to display the available directories. Press button (2) momentarily when the desired directory is displayed, then turn button (2) left or right to display the tracks within that directory. Press button (2) when the desired file is displayed to begin playback.

The Directory reading method is different as follows depending on the burning softwares like Easy CD or Nero Burning.

Method 1:

ROOT --> Dir01 --> Dir02 --> Dir03 --> Dir04 --> Dir05 --> Dir06 --> Dir07

Method 2:

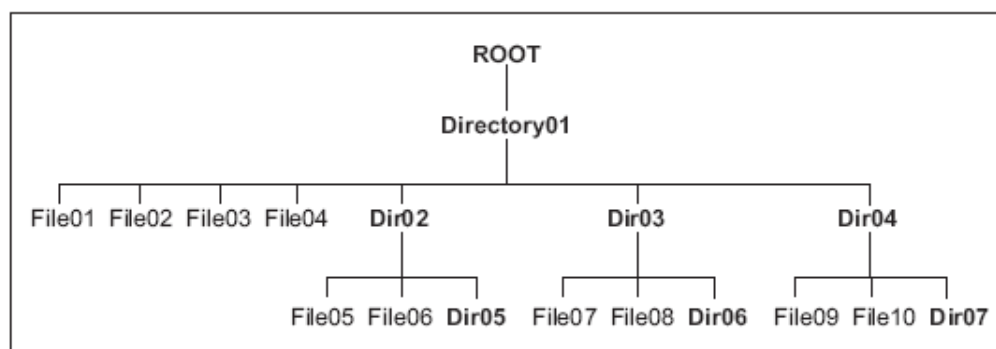
ROOT --> Dir01 --> Dir02 --> Dir05 --> Dir03 --> Dir06 --> Dir04 --> Dir07

If you want to search for a file/track in the selected directory, turn button (2) right or left. Press button (2) when you find the desired wanted. The unit will then play that selected file.

For example, the file search changes in Dir01 as follows.

File01 --> File02 --> File03 --> File04

MP3 directory / file configuration



Note

- If the MP3 disc does not contain directories, the set plays MP3 tracks at 10-file intervals whenever button (18, 19) is pressed.
- If the Disc does not contain any MP3 and WMA file, this function does not operate.
- If the directory does not contain any MP3 files, the directory will not be shown.

5. TRACK SCAN (SCN)

During disc play, press button (15) to play the first 10 seconds of each track on the disc. "SCN" will appear on the display panel. When the desired track is reached, press button (15) again to cancel the function. The set will then play the selected track. Track scan mode can be cancelled by activating random play, repeat play, track up/down or directory up/down button.

Note: When playing MP3 disc, when button (15) is pressed and held for longer than 2 seconds, "SCN" will blink on the display on the display panel and all files in the selected directory will be introduced until the scan mode is cancelled by pressing button (15) again or by activating the random play, repeat play, track up/down or directory up/down button.

6. REPEAT PLAY SELECTOR (RPT)

During disc play, press button (16) to play the selected track repeatedly. "RPT" will appear on the display panel. Play of the track will continue to repeat until the button is pressed again and the "RPT" disappears from the display panel. Repeat Play mode will also be cancelled by activating random play or scan play button.

Note: In case of playing MP3 disc, when button (16) is pressed and held longer than 2 seconds, "RPT" will blink on the display panel and play all files in the selected directory. The playback will be repeated until the directory repeat mode is cancelled by pressing the repeat button again, or by activating random play or scan play button. "RPT" will then disappear from the display.

7. RANDOM PLAY SELECTOR (RDM)

During disc play, press button (17) to play tracks on the disc in a random or shuffled order. "RDM" will appear on the display panel. The track select function (17) will also select tracks in the random mode instead of the normal sequence. The random play mode can be cancelled by activating scan play or repeat play button.

Note: In case of playing MP3 disc, when the random button is pressed and held longer than 2 seconds, "RDM" will blink on the display panel and play all files in the current directory randomly until the directory random mode is cancelled by pressing button (17) again or by activating scan play or repeat play button. "RDM" will disappear from the display.

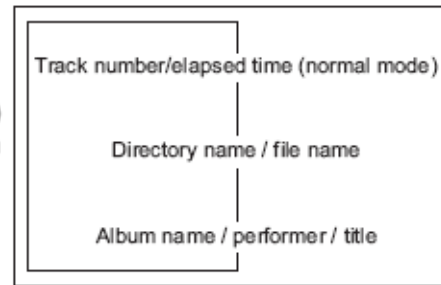
CD PLAYER

14. ID3 v2 (DISP)

Button (14) is used to change the display information. While playing a MP3 file, you can change the file information shown on the display. Each time button (14) is pressed, the display changes to show the information shown at right.

Note:

If the MP3 disc does not have any ID3 information, the display will display "NO ID3" on display panel.



21. DISC EJECT (▲)

By pressing DISC EJECT button (21), the disc will be ejected and the set will return to the previous mode. If the disc is not removed from the disc loading slot after ejecting, the disc will re-load to avoid damage to the disc. Playback of the disc can then resume by pressing button (4).

Note: In case of Eject Error, press the Eject button for more than 5 seconds. The CD will force-eject.

24. DISC SLOT

With the printed label surface facing up, gently insert the disc into the slot until the soft loading mechanism engages. The display panel will show "READING" and then disc playback will commence.

Note:

Load the disc at a straight angle into the slot.

This set is designed to play standard 5" (12cm) compact discs only.

Do not attempt to use 3" (8cm), either with or without an adapter, or discs fitted with an outer edge trim or frame, as damage to the player and/or disc can occur. Damage to these disc and/or set will not be covered by the product warranty.

USB PLAYER



4-1. USB PLAYBACK

To change CD or USB mode, press "CD" button (4) momentarily or unplug gently the USB player or USB memory from the USB connector (20). USB mode will automatically change to previous mode. To play USB driver or USB device, press "CD" button (4) momentarily or insert gently the USB driver or USB device. It will automatically play MP3 file in the USB device and the LCD display will show "USB READING".

If there is no files in USB device, it will be converted back to the previous mode after display "NO FILE".

4-2. USB FUNCTION

All of the USB file playback function is same as MP3 DISC function.

Please refer to page 8 ~ 10 on how to use possible function for USB file playback.

Note: This function will be operated by the USB cable of which we provide.
But USB driver or USB device is not provided.

* USB INFORMATION AND NOTICE

- 1) It can be played by those conditions.
 - FAT, FAT12, FAT16 and FAT32 in the FILE SYSTEM.
 - V1.1, V2.2 and V2.3 in the TAG (ID3) Version.
- 2) It can be displayed only 32 characters.
- 3) MULTI-CAED READER can not be supported.
- 4) It can not be played high speed but be played full speed.

Note:

- It cannot play files that DRM is applied. Please refer to page 21-2.
- If the temperature is below -10 degree celsius, then the function of the Audio Unit that connect USB would be affected. You should first rise the temperature in the car and then operate it.

AUX INPUT



It is possible to connect your portable media player to the car audio system for playback of the audio tracks via the car speakers.

To get the best results when connecting the portable media to the car audio system, follow these steps:

- Use a 2.5mm or 3.5mm stereo plug cable to connect the media player headphone socket at each end as follows.
- Adjust the portable media player to approximately 3/4 volume and start playback
- Press the AUX button on the car audio unit until it's display shows "AUX".
- The volume and tone can now be adjusted on the Audio Unit to the desired level.

Note:

- The audio quality of your media player and the audio tracks on it may not be of the same sound quality as the car audio system's CD Player.
- If the sound of the media player is too low compared with the radio or CD, increase the volume of the player.
- If the sound of the media player is too loud and/or distorted, decrease the volume of the player.
- When in AUX MODE, only the VOLUME, BASS, TREBLE, EQ and MODE functions of the car audio unit can be used.
- For technical information regarding the AUX input, refer to the specification section at the end of this manual.

BLUETOOTH



1. Using a Bluetooth wireless connection

- 1) Your Audio Unit supports Bluetooth wireless technology. You can set up a wireless link with Bluetooth cellular phone.
- 2) Please always try pairing the cellular phone with Audio Unit after a few minutes of the cellular phone was switched onto ensure the best pairing result.

Note:

- Since this Audio Unit is on standby to connect with your cellular phone via Bluetooth wireless technology, using this Audio Unit without running the engine can result battery drainage.
- This Audio Unit's phone call reception is on standby when ignition switch is set to ACC or ON.
- The line-of-sight distance between this Audio Unit and your cellular phone must be 10 meters or less for sending and receiving voice and data via Bluetooth wireless technology. However the transmission distance may become shorter than the estimated distance depending on the environment in use.
- Digital Noise & Echo suppression system provides the best sound clarity with little or no distortion (Echo & side tone will happen depending on Cellular Phone or service network).
- To ensure the quality of calling, you should select a proper Bluetooth VR Level. This Audio Unit have already set with the best Bluetooth VR Level.

2. Pairing your Audio Unit and Bluetooth Phone.

This Audio Unit supports Handfree profile, Headset profile, A2DP (Audio Advanced Distribution profile) and AVRCP (Audio Video Remote Control profile).

BLUETOOTH

3. Pairing in Handsfree mode

- 1) press and hold button (8) for 2 seconds until you hear beep sound, then appears "PAIR START" on the display.
- 2) For the next procedure, go to "4. Cellular Phone Pairing Mode".
- 3) If it is pairing status with Audio Unit and Cellular Phone, "PAIRING" will show on the display.
- 4) If you want to exit pairing mode, press button (10) briefly while pairing, then it disappears "PAIRING" on the display.
- 5) "Bluetooth Icon" and "PAIR OK" appears on the display when pairing is successful.

4. Cellular Phone Pairing mode

- 1) Browse your Cellular Phone menu and find the connectivity or Bluetooth connection section.
- 2) Select "search for" a new Handsfree device function and allow the phone to find the mobile.
- 3) "KIA" should appear on your Cellular Phone screen.
- 4) Press connect menu among the Handsfree option on your cellular phone.
- 5) The Cellular Phone should prompt for a pin code. Insert the pin code: "0000"
- 6) The Cellular Phone should confirm that it has established a new paired connection.
- 7) Close the menu. The pairing is now completed. It appears "Bluetooth Icon" and "PAIR OK" on the display.
- 8) If the pairing failed, it appears "PAIR FAIL" on the display for 3 seconds.

Note:

- Each cellular phone type has distinct phone menu so you may need to refer to your manufacture's instruction for the correct procedure on how to connect a new Bluetooth device.
- Please retry to the pairing instruction if "KIA" does not appear on the cellular phone screen.
- Please select authorized, if there is authorized menu in the menu of Bluetooth connection in your cellular phone.
- Once the Bluetooth pairing is completed between your cellular phone and this Audio Unit, the both Units will be automatically recognized on its pairing and connection when you turn on the key in your car even though this Audio Unit is turned off.
- This Audio Unit can store up to 6 phones pairings. If the memory is full, the first stored paired phone will be deleted.
- The connecting priority will be given to the last connected Cellular Phone.
- If you want to change the connecting priority, try to connect this Audio Unit from the Cellular Phone.

5. Bluetooth connection and disconnection

- 1) When established Bluetooth connection between this Audio Unit and the Cellular Phone, "Bluetooth icon" on the display appears and then the display shows "HF CONNECT", when headset profile connected, or display shows "HF/AV CONN" when handsfree & AV profile connected.
- 2) To disconnect Bluetooth Link
Press button (10) for 2 seconds, it disappears "Bluetooth Icon" on the display.
- 3) To connect Bluetooth Link
Press button (9) briefly, it blinks "Bluetooth Icon" on the display while Bluetooth is being connected. If the connection is completed, it appears "Bluetooth Icon" on the display.

BLUETOOTH

English

Note:

- When your Cellular Phone battery is at low charge, the Bluetooth connection may occasionally be lost. To maintain good connectivity ensure that your Phone battery is adequately charged.
- In case of failure of Bluetooth pairing:
 - * Delete item in paired list on your phone.
 - * Reset both phone by power off/on and the Audio Unit by ACC off/on.
- Connecting priority of Handsfree profile is higher than headset profile.
- The Headset mode does not support Caller ID, Reject call and Call Transfer.

6. Using the Audio Unit as a Handsfree Device

- 1) When the Audio Unit is ringing, then it appears the phone "*****" on the display.
- 2) To accept call
Press button (9), it appears "ANSWER CALL" and follows "TALKING" on the display.
- 3) To end call
To end call, press button (10), it appears "DROP CALL" on the display.
- 4) To reject call
To reject call, press button (10) when ringing, it appears "REJECT CALL" on the display.

Note:

- If "Reject call" is activated in your phone, then your Cellular Phone does not support "Reject call" function.

7. Audio transfer between the Audio Unit and phone

The audio transfer function is for switching the call from the Audio Unit to the Cellular Phone for private conversation.

- 1) Press button (8) briefly during conversation, it appears "CALL TRANS" on the display.
To switch back to the Audio Unit, press button (8) briefly during private conversation, then it appears "CALL TRANS" on the display again.

Note:

- This function will be a cause of disconnection of Bluetooth link in some Nokia phones, but you do not worry just press button (8) during private conversation, then switch back to the Audio Unit automatically.
- The quality of calling between Cellular Phone and Audio Unit is better than calling between one Audio Unit and another one.

8. Last number dialing

Press button (9) briefly, it appears "REDIALING" on the display. And then make the last call.

Note:

- If you are using Samsung phone, then you may need to press once more "Send" button.
 - * 1st press button shows phone contact list in your phone, then 2nd press make last call.

BLUETOOTH

9. To make a call by cellular phone

- 1) The Audio Unit activated automatically when you make a call by Cellular Phone.
- 2) When you make a call processing by Cellular Phone, it shows "CALLING" on the display.
- 3) When you receive a call, the phone number "*****" appears on the display.

10. Using the Audio Unit as Bluetooth music

The Audio Unit supports A2DP (Audio Advanced Distribution Profile) and AVRCP (Audio Video Remote Control Profile), and both profiles are available to listen music at the Audio Unit via cellular phone which is supporting the two profiles above.

- 1) To play music, press and hold "SEND" button for 2 seconds, then appears "BT MP3 MODE" on the display.
- 2) To track up, press SEEK UP (11) or SEEK DN (12), it will show "BT MP3 FWD" or "BT MP3 REV" on the display.
- 3) To stop music, press button (10) briefly and it will show "BT MP3 STOP" on the display.

Note:

- Some kinds of phone can not play music by the Audio Unit, and then you search the menu on your cellular phone as below:
" i.e: Menu --> File manager --> Music --> Option --> Play via Bluetooth
- This function maybe different depends on cellular phone. Please follow the cellular phone menu. Some kinds of phone need to pair once more for Bluetooth MP3 connection.
- This function will be cause to disconnect A2DP (Audio Advanced Distribution Profile), AVRCP (Audio Video Remote Control Profile) depends on cellular phone.
- Information about songs (e.g. The elapsed playing time, song tiles, song index, etc.) cannot be displayed on this Audio Unit.

BLUETOOTH

11. Bluetooth Phone, Compatible List with KIA Audio unit (As of 2008.Mar.27)

- This Audio Unit is designed for working with following listed phone.
- Beside below phone listed may not work for Bluetooth function with the Audio Unit.
- Those any phone listed up can't work for A2DP or AVRCP subject to phone features. In that case, check your phone features.
- Compatible List for Bluetooth feature with Audio Unit.

1. Nokia: 3230, 3650, 5300, 5600, 6021, 6131, 6230, 6230i, 6210i, 6260, 6280, 6310i, 6600, 6630, 6650, 6670, 6680, 6681, 6682, 6820, 7610, 8800, 8801, 8910i, 9500, E60, N-GAGE, N-GAGE QD, N70, N70-1, N80, N90, N92,
2. Motorola: L6, ROKR E2, V3, A1200, V3x, KRZR K1, V600, E1000, U6, E1, A1000, RAZR2
3. Samsung: D500, D508, D510, D518, D520, D600, D608, E720, E730, E770, Z500, Z500V, A900, E3700, B500, B5050, M600, X7700, V6900, V720, V740, V7400, V745, V7450, V890, V8900, V960, V9600, V9850, T609, E958, J618
4. Sony-Ericsson: K700, K700i, K710i, K750, K750i, K800i, L600i, P910i, S700i, T610, T618, T628, T68i, V800, W550i, W600, W800i, W850i, W900i, Z608, Z610i
5. Black Berry: POCKET PC, 7290, Pearl 8100, 8700g, 8800
6. NEC: N750, N850, N930
7. SHARP: GX15
8. LG: KG800, KG90, MG800C, VX8500, C3380, P7200, S5200, U8290, KU730, U8210, CU500
O2: XDA ATOM, XSA2 Mini, XDA2 I
9. DOPOD : D600
10. T-Mobile: Sidekick & Sidekick@ Slide
11. Kyocera: Amp'd Jet & Angel, Slider Sonic, Slider Remix, K310, K320, Wild card, E2000, M1000
12. DOPOD : D600

Note:

- Compatible Phone could not be used with this Audio Unit.
- The quality of calling would be affected by different kinds of Bluetooth phones.
- The quality of calling would be affected if the speed of vehicle were over 100km/h.
- For the best quality of calling, you'd better speak in forwards direction.
- Speak toward other direction or at other position would also affect the quality of calling.

HANDLING COMPACT DISCS

- 1) Dirt, dust, scratches, and disc warpage can cause skipping in the play back and deterioration of sound quality. Please observe these guidelines to take care of your compact discs:
 - Fingerprints, dust and dirt should be carefully wiped off over the disc's playing surface (shiny side) with a soft cloth. Wipe in a straight motion from the inside to the outside of the disc.
 - Never use chemicals such as record sprays, household cleaners or thinner to clean compact discs. Such chemical can irreparably damage the disc's surface.
 - Discs should be kept in their storage cases when not in use.
 - Do not expose discs to direct sunlight, high temperatures or high humidity for extended periods.
 - Do not stick paper, tape, or labels on the disc surfaces nor write on them with any type of marker.
- 2) Discs with non-standard shapes (e.g.: Heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.
- 3) Before playing, clean the discs with a commercially available cleaning cloth. Wipe each disc from the center out. Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for analog discs.
- 4) Some UDF CD-Rs/CD-RWs may have longer reading time.
- 5) Some CD-Rs/CD-RWs (depending on the equipment used for its recording or the condition of the disc) may not play on this unit.
- 6) MP3 CD-Rs/CD-RWs (depending on the recording method of the disc) may have some different on sound level.

LCD DISPLAY FOR CD PLAYER ERROR

If a problem occurs while operating the unit, the following error codes may be displayed on the LCD.

LCD SYMBOL	ERROR	DESCRIPTION
ERROR 1	LOAD	Loading is not available
ERROR 2	MECHANISM	Mechanism problem
ERROR 3	FAULT	Mechanism fault
ERROR 4	SERVO	Servo error
ERROR 5	CD DISC	Disc error
ERROR 6	CD DATA	Disc data error

PRODUCT AND WARRANTY SERVICE

Your KIA MP3/WMA CD player is guaranteed against defective parts or defects caused by workmanship up to 3 years from the date of vehicle Registration. MP3/WMA CD Player supports for MP3/WMA CD of Joliet, ISO9660 and UDF File Format.

If your MP3/WMA CD Player is faulty, please take your KIA vehicle to your nearest KIA dealer for diagnostic inspection of your MP3/WMA CD player.

In case of proven defects, your KIA dealer will implement a change over product service to replace your faulty MP3/WMA CD Player.

This product warranty does not cover damage to your MP3/WMA CD Player (with CD, MP3/WMA and TUNER) if it has been subjected to misuse or abuse.

A fee to extend warranty service to any unit that has been misused or abused will be applied prior to any service work carried out.

This warranty does not cover any call for warranty service or change over product service if it is recognized that your complaint is caused by misuse, faulty CD Discs or imperfect CD-R and CD-RW discs.

MP3/WMA INFORMATION AND NOTICE

1) MP3 is an abbreviation of Motion Picture Experts Group (or MPEG) Audio Layer 3*.

MP3 is simply a file format with a data compression ratio of 1:10 128Kbps. That means, by using MP3 format, one CD-R or CD-RW can contain 10 times as much data volume as a regular CD can.

* Bit rate is the average number of bits that one second of audio data will consume. The unit is used Kbps (1000 bits/second). To get a better audio quality, choose a higher bit rate. The most popular bit rate for encoding is 128 Kbps.

* The elapsed time on the display and actual time are somewhat different, when written MP3 file into VBR (Variable Bit Rate).

This unit is incorporated with MP3 decoder. You can playback Mp3 files (tracks) recorded on CD-R, CD-RW, and CD-ROM.

2) WMA is the abbreviation of Windows Media Audio, an audio file format developed by Microsoft Corporation.

* If you play a file with DRM (Digital Rights Management) for WMA/MP3 remaining ON, no audio is output.

* To disable DRM (Digital Rights Management) for WMA/MP3:

- When using Windows Media Player 7, click on TOOLS --> OPTIONS --> CD AUDIO; there, uncheck the ENABLE PERSONAL RIGHTS MANAGEMENT check box, then construct files.

- When using Windows Media Player for Windows XP 8, click on TOOLS --> OPTIONS --> COPY MUSIC tab, then under COPY SETTINGS, uncheck the check box for PROTECT CONTENT. Thereafter, reconstruct files. Personally constructed WMA files are used at your own responsibility

3) Precautions when creating MP3/WMA disc.

* Usable sampling rates and bit rates:

- MP3: Sampling rate 44.1KHz, Bit rate: 32 Kbps - 320 Kbps / VBR
- WMA: Bit rate 48 Kbps - 192 Kbps.

* Logical format (File system)

- When writing MP3 file on a CD-R disc or CD-RW disc, please select "ISO9660 level 1/2/3, JOLIET or UDF" as the writing software format. Normal play may not be possible if the disc is recorded on another format.

4) ID3 v2 (ID3TAG) is compatible.

Extra information data such as album title, performer name, song title, recording year, music genre and a brief comment can be stored in a MP3 file. This unit can show ID3v2 tags (album name, performer name and song title) on the display.

5) This player occasionally may not be compatible with musician property rights protection CD because its own special reflection rate manufactured by the CD maker may cause this player to make an error in reading.

WARNING AND PRECAUTIONS

1) WARNING

This equipment has been tested and found to comply with the limits for a pursuant to ECER-10 of the E-Mark. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference to radio or television. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

2) PRECAUTIONS

When the inside of the car is very cold and the player is used soon after switching on the heater moisture may form on the disc or the optical parts of the player and proper playback may not be possible. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.

SPECIFICATIONS

Dimension (W x H x D)	189mm x 102mm x 178mm
Operation Voltage	12 volts DC, negative ground
Output Power	160 watts maximum (40 watts x 4 channels)
Output Impedance	compatible with 4 ~ 8 ohm speakers
Tuning Range	AM : 530 ~ 1,710 KHz. (10 KHz step) FM : 87.5 ~ 107.9 MHz. (200KHz step)
Sensitivity	AM : 33 dBu FM : 6 dBu
FM Stereo Separation	30 dB
CD Frequency Response	20 ~ 20,000 Hz
CD S/N Ratio	63 dB
CD Channel Separation	50 dB
AUX Input Sensitivity	2V (VOLUME STEP 20) 400 and 800mV@10K ohm
Bluetooth	Version 2.0
- Output Power	+ 4 dBm Max
- Profile	Advanced Audio Distribution Profile Audio/Video Remote Control Profile Hands-Free Profile Headset Profile

EASTEC INC.,LTD

Product Name: MP3/USB/BLUETOOTH

CD Player with AM/FM Radio

Model No.: 99994051F08B

FCC ID: WA808MYAL3208

THIS DEVICE COMPLIES WITH PART15 THE FCC RULES.

OPERATION IS THE SUBJECT TO THE FOLLOWING TWO CONDITION:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED.
INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION

Keep dry. Precipitation, humidity, and liquids, contain minerals that will corrode electronic circuits.

Do not use or store in dusty, dirty areas.

Do not store in hot areas. High temperatures can shorten the life of electronic devices and warp or melt certain plastics.

Do not store in very cold areas. Moisture can form inside the case, which may damage electronic circuit boards.

Do not attempt to open the case. Non-expert handling of the device may damage the system.

Avoid dropping and strong impact.

Do not change or modification. It is not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.