Owner's manual & Installation manual
Mode d'emploi et manuel d'installation
Manual de instrucciones y de instalación

CZ302

Bluetooth® CD/USB/MP3/WMA RECEIVER
LECTEUR Bluetooth® CD/USB/MP3/WMA
RECEPTOR Bluetooth® CD/USB/MP3/WMA
Thank you for purchasing this Clarion product.

• Please fully read this owner's manual before operating this equipment.
• Check the contents of the enclosed warranty card and store it in a safe place with this manual.

Contents

1. FEATURES ....................................................................................................................... 2
2. PRECAUTIONS ................................................................................................................ 2
   Front Panel / Generalities .......................................................................................... 3
   USB Port ..................................................................................................................... 3
   Remove the DCP ......................................................................................................... 3
   Attach the DCP .......................................................................................................... 3
   Storing the DCP in the DCP Case .............................................................................. 3
3. CONTROLS ...................................................................................................................... 4
   Operational Panel ....................................................................................................... 4
   Names of Buttons ....................................................................................................... 4
   Notes of remote control using .................................................................................. 4
   Remote Control (RCX001) ........................................................................................ 5
4. CAUTIONS ON HANDLING .......................................................................................... 5
   Handling Discs ............................................................................................................ 5
5. OPERATIONS ................................................................................................................... 6
   Basic Operations ........................................................................................................ 6
   System Setup ............................................................................................................. 6
   Audio Setup ............................................................................................................... 7
   Radio Operations ...................................................................................................... 7
   SiriusXM Satellite Radio Operations ........................................................................ 8
   CD/MP3/WMA Operations ....................................................................................... 9
   USB Operations ....................................................................................................... 10
   iPod & iPhone Operations ....................................................................................... 11
   Bluetooth Operations .............................................................................................. 12
   AUX Operations ...................................................................................................... 13
6. TROUBLE SHOOTING ................................................................................................. 14
7. ERROR DISPLAYS ......................................................................................................... 15
8. SPECIFICATIONS ......................................................................................................... 15
9. INSTALLATION / WIRE CONNECTION GUIDE ............................................................ 16
1. FEATURES

- Compatible with iPod® / iPhone® with Pandora® internet radio App
- Built-in Parrot Bluetooth® Handsfree (HFP) and Audio Streaming (A2DP & AVRCP)
- SiriusXM-Ready™ with iTunes® Tagging

Expanding Systems

2. PRECAUTIONS

1. When the interior of the car is extremely 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 disc, wipe it off with a soft cloth. 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.

2. Driving on extremely bumpy or rough roads can cause the disc to skip during playback.

3. This unit uses precision parts and components for its operation. In the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts. Contact your Clarion dealer or service center.

4. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. 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 will not occur in a particular installation. If this equipment does cause harmful interference to radio reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio technician for help.

5. “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 or iPhone may affect wireless performance. iPod, iPhone and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries.

6. Pandora, the Pandora logo and other Pandora marks are trademarks or registered trademarks of Pandora Media, Inc. or its subsidiaries worldwide. “If you have any issues with the Pandora application on your mobile phone, please direct them to pandora-support@pandora.com.”

7. The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Clarion Co., Ltd. is under license. Other trademarks and trade names are those of their respective owners.

8. SiriusXM and all related marks and logos are trademarks of SiriusXM Radio, Inc. All rights reserved.
Cleaning the body
- Use a soft, dry cloth and gently wipe off any dirt or dust.
- For tough dirt, apply some neutral detergent diluted in water to a soft cloth, wipe off the dirt gently, then wipe again with a dry cloth.
- Do not use benzene, thinner, car cleaner, etc., as these substances may damage the body or cause the paint to peel. Also, leaving rubber or plastic products in contact with the body for long periods of time may cause stains.

USB Port
- The USB memory stick may stick out when inserted, so it may cause danger during driving. When connect USB memory stick to the main unit, please use a USB extension cable (CCA-755).
- The USB memory sticks must be recognized as "USB mass storage class" to work properly. Some models may not operate correctly.

Remove the DCP
The control panel can be detached to prevent theft. When detaching the control panel, keep it in the safety place and prevent scratches.
- We recommend taking the DCP (DETACHABLE CONTROL PANEL) with you when leaving the car.
- 1. Press the [SRC / ] button (1 sec.) to turn off the power.
- 2. Deeply push in [OPEN] button to unlock the DCP.
- 3. Hold the side popped out, remove the DCP.

Attach the DCP
1. Hold the DCP and ensure that the panel faces towards you. Set the right side of the DCP into the DCP bracket.
2. Press the left side of the DCP until it locks.

Storing the DCP in the DCP Case
Hold the DCP, as shown in the figure below, and put it into the supplied DCP case.

Note:
If the DCP is dirty, wipe off the dirt with a soft, dry cloth only.

INFORMATION FOR USERS:
Changes or modifications to this product unapproved by the manufacturer will void the warranty and will violate FCC approval.

Front Panel / Generalities
For a longer service life, be sure to read the following cautions.
- Do not allow any liquids on the unit from drinks, umbrellas, etc. Doing so may damage the internal circuitry.
- Do not disassemble or modify the unit in any way. Doing so may result in damage.
- Do not let cigarettes burn the display. Doing so may damage or deform the body.
- If a problem should occur, have the unit inspected at your store of purchase.
- The remote control unit may not work if the remote control sensor is exposed to direct sunlight.
3. CONTROLS

Operational Panel

Names of Buttons

[SRC / •] Button
• Power / Toggle the audio source

[BAND / •] Button
• RADIO mode – Select tuner band
• BT mode – Dial/Answer / Transfer call / Redial (long press)
• SiriusXM mode – Select tuner band/Select category (long press)
• PANDORA mode – skip song

[PS / AS] Button
• MP3/WMA mode – Search function.
• CD mode – No function.
• RADIO mode – No function.
• AUX mode – No function.
• USB mode – Search function
• iPod mode – iPod menu
• PANDORA mode – Station select
• BT mode – Terminate call
• SiriusXM mode – Replay mode / Direct select, Alert list, MyMusic list (long press)

[OPEN] Button
• Press to eject disc.

[1~6] Buttons
• [1] Button:
  - Scan play / Preset station 1 / Create new station (PANDORA mode)
• [2] Button:
  - Repeat play / Preset station 2.
• [3] Button:
  - Random play / Preset station 3.
• [4] Button:
  - Play / Pause / Top play (long press) / Preset station 4.
• [5] Button:
  - Previous folder / Preset station 5.
  - 10 tracks down (long press) / Thumb down (PANDORA mode)
• [6] Button:
  - Next folder / Preset station 6.
  - 10 tracks up (long press) / Thumb up (PANDORA mode)

[•••] Buttons
• Previous / next track
• Search (long press)
• PANDORA mode – Station up/down

[DISP] Button
• Display switch
• System setup (long press)

[MIC] Hole
• Internal microphone

Names of Buttons

[ISR] Button
• Recall ISR station stored in memory and store current station in ISR memory (long press)
• iTunes Tagging (When connected with SiriusXM Vehicle Tuner and displayed “TAG” on display at SiriusXM - mode.)

Notes of remote control using

1. Aim the remote control at the remote sensor on the unit.
2. Remove the battery from the remote control or insert a battery insulator if the battery has not been used for a month or longer.
3. Do not store the remote control under direct sunlight or in high temperature environment, or it may not function properly.
4. Use “button shaped” lithium battery “CR2025” (3V) only.
5. Do not subject battery to recharge, disassemble, heat or dispose in fire or water.
6. Insert the battery in proper direction according to the (+) and (-) polarities.
7. Store the battery in a place where children cannot reach to avoid the risk of accident.

Inserting the Battery
1. Slide remote control unit’s rear cover in the direction shown.
2. Insert battery (CR2025) into insertion guides with printed side (+) up.
3. Press battery into compartment as shown.
4. Replace and slide cover until it clicks into place.

Insertion guide
Remote Control (RCX001)

- [SRC / ] Button
  - Toggle the audio source
  - Power on / Power off (long press)
- [ ] Buttons
  - Previous / next track
  - Search (long press)
  - PANDORA mode – Station up/down
- [SCN/PS/AS] Button
  - Scan play / Preset scan
  - Auto memory store (long press)
  - SiriusXM mode – Channel scan (in current category)/ Preset scan (long press)
- [BAND/TOP] Button
  - CD/MP3/WMA/USB mode – Top play (long press)
  - RADIO mode – Select tuner band
  - PANDORA mode – Skip song
  - SiriusXM mode – Select tuner band, quit Replay (Replay mode) / Select category (long press)
- [ ] Buttons
  - Volume up / down
- [ ] Button
  - Play / Pause
  - SiriusXM mode – Replay mode
- [ISR] Button
  - Recall ISR station stored in memory and store current station in ISR memory (long press)
  - iTunes Tagging (When connected with SiriusXM Vehicle Tuner and displayed “TAG” on display at SiriusXM - mode )
- [DISP] Button
  - Display switch

[RDM] Button
- Random play
- PANDORA mode – Thumbs up

[RPT] Button
- Repeat play
- PANDORA mode – Bookmark song / Artist (long press)

[MUTE] Button
- Mute the volume

4. CAUTIONS ON HANDLING

Handling Discs

Handling
- New discs may have some roughness around the edges. If such discs are used, the player may not work or the sound may skip. Use a ball-point pen or the like to remove any roughness from the edge of the disc.

Storage
- Do not expose discs to direct sunlight or any heat source.
- Do not expose discs to excess humidity or dust.
- Do not expose discs to direct heat from heaters.

Cleaning
- To remove fingerprints and dust, use a soft cloth and wipe in a straight line from the center of the disc to the circumference.
- Do not use any solvents, such as commercially available cleaners, anti-static spray, or thinner to clean discs.
- After using special disc cleaner, let the disc dry off well before playing it.

On Discs
- Never stick labels on the surface of the disc or mark the surface with a pencil or pen.
- Never play a disc with any cellophane tape or other glue on it or with peeling off marks. If you try to play such a disc, you may not be able to get it back out of the player or it may damage the player.
- Do not use discs that have large scratches, are misshapen, cracked, etc. Use of such discs may cause misoperation or damage.
- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.
- Do not use commercially available disc protection sheets or discs equipped with stabilizers, etc. These may damage the disc or cause breakdown of the internal mechanism.

CAUTION
For your safety, the driver should not insert or eject a disc while driving.
5. OPERATIONS

Basic Operations

Note:
- Refer to the diagrams in “3. CONTROLS” when reading this chapter.

CAUTION
When the unit is turned on, starting and stopping the engine with its volume raised to the maximum level may harm your hearing. Be careful about adjusting the volume.

Power on / off

Notes:
- Start the engine before using this unit.
- Be careful about using this unit for a long time without running the engine. If you drain the car’s battery too far, you may not be able to start the engine and this can reduce the service life of the battery.
- When the unit is turned on, starting and stopping the engine with its volume raised to the maximum level may harm your hearing. Be careful about adjusting the volume.

CAUTION
While driving, keep the volume level at which external sounds can still be heard.

Playing source selection

Press [SRC / ] button on the front panel or remote control repeatedly to choose desired playing source.

Note:
- Playing source selection means selecting which mode, such as DISC mode, RADIO mode and AUX mode.

Display system time

Press the [DISP] button on the front panel or remote control to switch the display information from clock, station information (radio mode), or track information (CD mode).

RESET

Note:
- When the [RESET] button is pressed, preset radio stations, titles, etc. stored in memory are cleared.

Volume adjustment

Rotate the [VOLUME] knob on the front panel or press the [▲] or [▼] button on the remote control.
The adjustable range of volume is 0 to 40.

CAUTION
Do not volume will release muting.

While driving, keep the volume level at which external sounds can still be heard.

Playing source selection

Press [SRC / ] button on the front panel or remote control repeatedly to choose desired playing source.

Note:
- Playing source selection means selecting which mode, such as DISC mode, RADIO mode and AUX mode.

Display system time

Press the [DISP] button on the front panel or remote control to switch the display information from clock, station information (radio mode), or track information (CD mode).

RESET

Note:
- When the [RESET] button is pressed, preset radio stations, titles, etc. stored in memory are cleared.

System Setup

In any mode, press and hold [DISP] button to enter system setup.

1. Press [▲], [▲] or [▼] button to select options, rotate the [VOLUME] knob to adjust.

CLOCK
Press the [VOLUME] knob to enter clock setting mode, rotate the [VOLUME] knob to set clock, press [▲] or [▼] button to select hour or minute, press and hold the [VOLUME] knob to confirm.

DX/L0 (RADIO mode)
- Rotate the [VOLUME] knob to choose radio local or distant at RADIO mode.
- LO: Only stations with strong signal can be received.
- DX: Stations with strong and weak signals can be received.

AUX SENS (AUX mode)
- Rotate the [VOLUME] knob to choose AUX Input sensitivity LOW, MID or HIGH at AUX mode.

PARENTAL PASSWORD (SiriusXM mode)
Change parental password. Original code is "0000"

LOCK CH (SiriusXM mode)
- Lock the current channel

UNLOCK CH (SiriusXM mode)
- Unlock current locked channel.

UNLOCK ALL CH (SiriusXM mode)
- Unlock all parental locked channels.

ALERT: ON/OFF (SiriusXM mode)
- Activate interruption by Artist and Song alert

DELETE ALL ALERT (SiriusXM mode)
Delete saved alert items for artist and song.

SELECT (BT mode)
This "SELECT" menu is intended to automatically paired by selecting a mobile phone was stored.

This unit can store three mobile phones. The mobile phone will be stored in paired order to the unit. The mobile phone can be stored up to three. The fourth mobile phone can not be stored. If you want to store a fourth mobile phone, please delete unwanted mobile phone from "DELETE" menu.

1. Rotate the [VOLUME] knob to choose the pair mobile phone name from the pairing list.

2. Press and hold the [VOLUME] knob to confirm.

DELETE (BT mode)
1. Rotate the [VOLUME] knob to choose the paired mobile phone name from the pairing list.
2. Press and hold the [VOLUME] knob to confirm.

DISCON (BT mode)
Disconnect currently connected mobile phone.
1. Rotate the [VOLUME] knob, mobile phone displays are currently connected.
2. Press and hold the [VOLUME] knob to disconnect.

MIC SEL (BT mode)
- Rotate the [VOLUME] knob to choose Microphone EXTERNAL or INTERNAL.

MIC GAIN (BT mode)
- Rotate the [VOLUME] knob to choose Mic gain: -5,-4,-3,-2,-1,0,1, 2, 3, 4, 5.
- You can change the gain of MIC when a telephone partner cannot hear your voice.

TONE SEL (BT mode)
- You can get mobile phone ring tone from the speaker.

MIC GAIN (BT mode)
- Rotate the [VOLUME] knob to choose Mic gain: -5,-4,-3,-2,-1,0,1, 2, 3, 4, 5.
- You can change the gain of MIC when a telephone partner cannot hear your voice.

TONE SEL (BT mode)
- You can get mobile phone ring tone from the speaker.

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- This "SELECT" menu is intended to automatically paired by selecting a mobile phone was stored.

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2. Press and hold the [VOLUME] knob to confirm.

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Disconnect currently connected mobile phone.
1. Rotate the [VOLUME] knob, mobile phone displays are currently connected.
2. Press and hold the [VOLUME] knob to disconnect.

MIC SEL (BT mode)
- Rotate the [VOLUME] knob to choose Microphone EXTERNAL or INTERNAL.
System Setup

SCRN SVR: ON/OFF
Rotate the [VOLUME] knob to choose SCRN SVR (screen saver) ON or OFF.

SCROLL: ON/OFF
For track information that is longer than the display panel:
When SCROLL is ON, the LCD will scroll the ID3 TAG information across the display, e.g.: TRACK->FOLDER->FILE->ALBUM->TITLE->ARTIST->TRACK->...
When SCROLL is OFF, the LCD will display one of the ID3 TAG information, the default is TRACK, but user can adjust it to other ID3 TAG information by press [DISP] button.

S-CTRL (iPod mode) : ON/OFF
Rotate the [VOLUME] knob to choose S-CTRL(Simple control) ON or OFF.
* Refer to P11.

PANDORA: ON/OFF
Select OFF if the Pandora application has not been installed on your iPod touch or iPhone.

DIMMER: ON/OFF
Rotate the [VOLUME] knob to choose DIMMER ON or OFF.
• ON: LCD dimmer is active when small light of vehicle is turned ON.
• OFF: LCD always maximum brightness regardless of the vehicle small light.

REAR/S-W
Rotate the [VOLUME] knob to choose REAR or S-WOOFER (SUB-WOOFER).

SW PHASE
Rotate the [VOLUME] knob to choose SUBWOOFER phase REVERSE or NORMAL.

TEL-SW
Rotate the [VOLUME] knob to choose MUTE, ON or OFF.
• MUTE: The sound from this unit is muted during telephone calls.
• OFF: This unit continues normal operation even when the cellular phone is used.
• ON: You can listen to your telephone calls from the speakers connected to this unit.

Audio Setup

Press the [>] button to enter sound effect setting mode. First press shows current EQ.
Rotate the [VOLUME] knob to changes BEAT EQ in this order:
OFF -> B-BOOST -> IMPACT -> EXCITE -> CUSTOM

Rotate the [VOLUME] knob to changes CUSTOM, and press the [VOLUME] knob, the press [<<] or [>>] button to select it including:
BAS:G / MID:G / TRE:G: (-7)~(+7)
BAS:F: 50/100/200
BAS:Q: 0.7/1.1/1.4/2
MID:F: 500/1K/2K
MID:Q: 0.7/1.1/1.4/2
TRE:F: 5k/10k/15k
TRE-Q: 0.7/1.4/2

Press the [>] button, then press [<<] or [>>] button to select USER preset including:
BALANCE -> FADER -> M-B EX -> LPF(low pass filter) -> S-W VOL (Subwoofer Volume), rotate the [VOLUME] knob to select a value.
BALANCE:LEFT 1-7->CENTER->RIGHT 1-7
FADER:FRONT 1-7->CENTER->REAR 1-7
M-BEX: ON/OFF
LPF: THROUGH/60/90/120
HPF: THROUGH/60/90/120
S-W VOL: (-6)-(+6)

Radio Operations

Select tuner as playing source
Press [SRC / ] button once or more to enter RADIO mode.

Selecting the radio band
Press the [BAND / ] button on the panel or on the remote control to select one radio band among FM1, FM2, FM3, AM.

Manual tuning
During manual tuning, the frequency will be changed in steps.
Press the [<<] or [>>] button on the panel to tune in a higher / lower station.
Press the [<<] or [>>] button on the remote control to select preset stations.

Auto tuning
Press and hold the [<<] or [>>] button to seek a higher / lower station.
To stop searching, repeat the operation above or press other buttons having radio functions.

Note:
When a station is received, searching stops and the station is played.

Preset scan
Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Press the [PS/AS] button.
2. When the [PS/AS] button again to continue receiving that station.

Local seeking
When LOCAL seeking is ON, only those radio stations with strong radio signal could be received.

To select LOCAL function, press and hold the [DISP] button on the front panel, then press [PS/AS] button repeatedly until LO or DX displays on the screen, and rotate the [VOLUME] knob to select Local or Distant mode.

Notes:
The number of radio stations that can be received will decrease after the local seeking mode is ON.

To stop auto store, press other buttons having radio functions.

Notes:
1. After auto store, the previous stored stations will be overwritten.
2. The unit has 4 bands, such as FM1, FM2, FM3 and AM. FM3 and AM can store by AS function. Each band can store 6 stations, CZ302 can store 24 stations in total.

Recall the stored stations
Press one numeric button among 1 to 6 on the panel to select the corresponding stored station.

Local seeking
When LOCAL seeking is ON, only those radio stations with strong radio signal could be received.

To select LOCAL function, press and hold the [DISP] button on the front panel, then press [PS/AS] button repeatedly until LO or DX displays on the screen, and rotate the [VOLUME] knob to select Local or Distant mode.

Notes:
The number of radio stations that can be received will decrease after the local seeking mode is ON.
SiriusXM Satellite Radio Operations

Displaying the Identification (ID) Code
Before you listen to satellite radio, you must subscribe to the service using the SiriusXM Radio ID number.

1. Press [SRC / OFF] button to activate SiriusXM mode.
3. The unit displays Radio ID.

Notes:
1. The Radio ID is located on the bottom of the SiriusXM Connect Vehicle Tuner.
2. Please note that the SiriusXM Radio ID does not include the letters I, O, S or F.
3. Activate the SiriusXM Connect Vehicle Tuner using one of the two methods below:
   - Online: Go to “www.siriusxm.com/ activate now” and choose ACTIVATE RADIO.
   - Phone: Call 1-800-XM-RADIO (1-800-967-2346).

Storing Channel Presets
1. Press [BAND / C] to select the desired band you want to store the preset in.
2. There are 3 Satellite Radio Preset bands. Each press of [BAND / C] changes the band:
   - SXM1 -> SXM2 -> SXM3 -> SXM1
3. Tune to the desired channel and then press and hold one of the preset buttons (1 through 6), to store the channel.
4. Repeat the procedure to store up to 5 other channels on to the same band.

Note:
- A total of 18 channels can be stored in the preset memory, 6 channels for each band (SXM1, SXM2 and SXM3).

Tuning Channels using Presets
1. Press [BAND / C] to select the desired band of Presets you wish to access.
2. Press the preset button (1 through 6) that has your desired Satellite Radio channel stored in memory.

Category Browsing
1. Press and hold [BAND / C] to activate the Category Browsing mode.
2. Rotate the [VOLUME] knob to select desired category.
3. Press [4] or [5] to select desired channel within the selected Category. You can see channel name, channel number, artist, title or content by pressing [DISP].
4. Press [VOLUME] to tune to selected channel.

Note: If no operation is performed for 10 seconds, the Category Browsing mode is canceled.

Preset scan
Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.
1. Press and hold the [PS/AS] button.
2. When a desired station is tuned in, press the [PS/AS] button again to continue receiving that station.

Channel scan (in current category)
Channel scan receives the channel (in current category) in order. This function is useful when searching for a desired channel in current category.
1. Press the [PS/AS] button.
2. When a desired channel is tuned in, press the [PS/AS] button again to continue receiving that channel.

Note: 
- Be careful not to press and hold the [PS/AS] button for 1 second or longer, otherwise the preset scan function will begin and the unit starts scanning presets.

Artist & Song Alerts
While listening to SiriusXM Satellite Radio, you can be alerted when your favorite songs or artists are playing on other channels. The radio will display an Alert message when a matching artist or song is found on another channel. Then you can choose if you want to tune to that favorite or you can ignore it and stay on your current channel. Information on setting up the Artist and Song alerts is described below.

1. While listening to favorite song, press [VOLUME] knob to add the artist or press and hold [VOLUME] knob to add the song to the “Artist & Song Alerts” list.

Notes:
- If no operation is performed for 5 seconds, the unit returns to normal mode.
- Artist name and Song title which you have stored and which are currently playing will be displayed in category called “MY MUSIC” in search mode.

My Music search
You can access the channel which is broadcasting the contents in the activated Alert list.
1. Press and hold [MENU / C], and rotate [VOLUME] knob to select “MY MUSIC LIST”.
2. Press [VOLUME] knob to display matched songs which are currently broadcasted.

Notes:
- If there is no matched songs broadcasted, it displays “MEM EMPTY”.

Replay function
The Replay feature allows you to pause, rewind, and replay up to 30 minutes of live SiriusXM Satellite Radio.

1. While listening to a SiriusXM channel, press [MENU / C] to enter Replay mode. The display will show “PAUSE” when entering this mode.
2. Press [4] to resume playback of the stored audio from the point at which it was paused.
3. During playback, the SiriusXM Tuner will continue to store the channel audio until you exit the Replay mode.

Notes:
- Fast forward: Press and hold [4].
- Fast rewind: Press and hold [5].
- Returning to the beginning of the current song: Press [4].

iTunes song tagging
With iTunes song tagging, you can tag songs you hear while listening to SiriusXM Satellite Radio. The tagging information is saved in your
SiriusXM Satellite Radio Operations

1. A song may be tagged while listening to a SiriusXM channel if the display shows the “TAG” icon.
2. Press [ISR] button while the desired song is playing.
3. When completed, “STORED TAG X OF 64” is displayed. X means the number of tag stored.

Notes:
• During tagging, the iPod/iPhone takes priority to save the tag information. If no iPod/iPhone is connected, the tag information is saved to this unit.
• This unit can store up to 64 pieces of tag information. When the memory of the unit is full, “MEMORY FULL” may be displayed.

Changing the Display
Text information, such as the channel name, artist name/feature, song/program title and content is available with each SiriusXM channel. The unit can display this text information as explained below.

1. In SiriusXM mode, press [DISP] button. Each time you press this button, the display changes as shown below.
   • Band/Channel number/channel name => Artist Name => Song Title => Content Info => Category Name => Clock => Band/Channel number/channel name
   • If there is no text information, nothing will be displayed.

Parental Lock / Unlock
The SiriusXM Parental Control feature allows you to control access to channels that you consider inappropriate for younger listeners. When enabled, the Parental Control feature requires you to enter a password to tune to the locked channels. Information on setting up the password, setting up the channels to be locked, and the method to access the locked channels is described below.

1. For setting up the password, press and hold [DISP] and press [isperso] to select “PARENTAL PASSWORD”. Press [VOLUME] knob to change password.
2. When enabled, the Parental Control feature requires you to enter a password to tune to the locked channels. Information on setting up the password, setting up the channels to be locked, and the method to access the locked channels is described below.

Precautions when creating MP3/WMA files
File extensions
1. Always add a file extension “.MP3”, “.WMA” to MP3/WMA file by using single byte letters. If you add a file extension other than specified or forget to add the file extension, the file cannot be played.
2. Files without MP3/WMA data will not play. The files will be played soundlessly if you attempt to play files without MP3/WMA data.

Notes:
• If you force a CD into before auto reloading, this can damage the CD.
• If a CD (12 cm) is left ejected for 15 seconds, the CD is automatically reloaded (Auto reload).

Listening to a disc already loaded in the unit
Press the [SRC / [ ]] button to select the CD/MP3/WMA mode. When the unit enters the CD/MP3/WMA mode, play starts automatically.

Loading a CD
Insert a CD into the center of the CD SLOT with faceing up. The CD plays automatically after loading.
CD/MP3/WMA Operations

Notes:
- Never insert foreign objects into the CD SLOT.
- If the CD is not inserted easily, there may be another CD in the mechanism or the unit may require service.
- Discs without the " or " mark and CD-ROMs cannot be played by this unit.
- Some CD-R/CD-RW discs may not be usable.

Pausing play
   * "PAUSE" appears in the display.

Displaying CD titles
This unit can display title data for MP3/WMA disc.
When SCROLL is OFF, each time you press the [DISP] button to change the title display.

MP3/WMA disc
Track -> Folder -> File title -> Album -> Title -> Artist -> Track ...

CD/MP3/WMA Operations

Notes:
- If MP3/WMA disc has no ID3 TAG., "NO TITLE" appears in the display.
- Only ASCII characters can be displayed in Tags.

Selecting a track
Track-up
1. Press the [>] button to move ahead to the beginning of the next track.
2. Each time you press the [>] button, the track advances ahead to the beginning of the next track.
3. For MP3/WMA disc, press and hold the [6] button (1 sec.) to move ahead to +10 tracks.

Track-down
1. Press the [<] button to move back to the beginning of the current track.
2. Press the [<<] button twice to move back to the beginning of the previous track.
3. For MP3/WMA disc, press and hold the [5] button (1 sec.) to move back to -10 tracks.

Fast-forward/Fast-reverse
Fast-forward
Press and hold the [>] button.
Fast-reverse
Press and hold the [<] button.
   * For MP3/WMA discs, it takes some time until the start of searching and between tracks. In addition, some errors may occur in the play time.

Folder Select
This function allows you to select a folder containing MP3/WMA files and start playing from the first track in the folder.
   Press the [6] button to move the next folder. Press the [5] button to move the previous folder.
2. To select a track, press the [<<] or [>] button.

Search Function
1. Press the [MENU] button to enter FOLD SCH mode. Press the [VOLUME] button to enter the folder list search mode.
2. Turn the [VOLUME] knob to select a folder.
3. Press the [VOLUME] button to enter the file list search mode. And then the track list appears in the display.
4. Turn the [VOLUME] knob to select a track.
5. Press the [VOLUME] knob to play.
   * When play back MP3/WMA file, this function is performed in the current folder.

CD/MP3/WMA Operations

Top function
The top function resets the CD player to the first track of the disc. Press and hold the [4] button (1 sec.) to play the first track (track No. 1) on the disc.
   * In case of MP3/WMA, the first track of the current folder will be played.

Other various play functions
Scan play
This function allows you to locate and play the first 10 seconds of all the tracks recorded on a disc.
Press the [1] button to perform scan play.
Repeat play
This function allows you to play the current track repeatedly or play a track currently being played in the MP3/WMA folder repeatedly.
   CD:
1. Press the [2] button once or more until "RPT ON" appears on the LCD to perform repeat play.

   MP3/WMA:
1. Press the [2] button once or more until "TRACK RPT" appears on the display to perform repeat play, and "RPT" segment lights on.
Random play
This function allows you to play all tracks recorded on a disc in a random order.

USB Operations

1. Open the cover of the USB connector to the right. Insert a USB cable (CCA-755) into the USB connector. Insert a USB device into the USB cable.
   When connecting a USB device, the unit will read the files automatically.
2. To remove the USB device, you should first select another source or turn off the power, in order to avoid damaging the USB device. Then take off the USB device. Open the cover to the left.
3. Operation is same as MP3/WMA operation.
iPod & iPhone Operations

Connect
Connect an iPod or iPhone to the USB connector via CCA-748 cable. When connecting a device, the unit will read the files automatically. The track information displays on the screen once playback start.

MENU
In the S-CTRL OFF mode, press [MENU / VOLUME] button, rotate the [VOLUME] knob select “MUSIC” or “VIDEO”.
Select “MUSIC”, press the [VOLUME] knob, then rotate the [VOLUME] knob to show PLAY LISTS / ARTISTS / ALBUMS / GENRES / SONGS / COMPOSERS, press and rotate the [VOLUME] knob to select a desired option, then press the [VOLUME] knob to confirm.
Select “VIDEO”, press the [VOLUME] knob, then rotate the [VOLUME] knob to show MOVIES / MUSIC VIDEOS / TV SHOWS / VIDEO PODCASTS / RENTALS, press and rotate the [VOLUME] knob to select a desired option, then press the [VOLUME] knob to confirm.

Note:
VIDEO MENU item is different by the model of connected iPod and language setting.

Repeat play
This function allows you to play the current track repeatedly or play all tracks in your iPod/iPhone repeatedly.
1. Press the [2] button once or more until “SONG RDM” appears on the LCD to perform random play.
2. Press the [3] button repeatedly until “RDM OFF” appears on the LCD to cancel random playback.

Setting iPod simple control mode
Use this function if you wish to operate through your iPod connected to this unit via the USB cable.
• The factory default setting is “OFF”.
1. Press and hold [DISP] button to enter system setup.
2. Press [l] or [r] button to select S-CTRL.
3. Rotate the [VOLUME] knob to select “ON” or “OFF”.
• ON: Operations are made through your iPod.
• OFF: Operations cannot be made through your iPod.

Notes:
• When performing iPod operations using simple control mode, make the operations slowly. If repetitive operations are performed too quickly, unforeseen errors may occur.
• When performing iPod operations using simple control mode, please do not operate the iPod and the unit at the same time, otherwise there may be an unexpected event happened.

Listening to Pandora
You can listen to Pandora internet radio by connecting an iPod/iPhone that has Pandora Application already installed.
To start streaming, connect the iPod/iPhone with Pandora already launched. When the unit displays “PLEASE LAUNCH PANDORA APPLICATION ON MOBILE DEVICE” in PANDORA mode, please launch the Pandora Application by operating the iPod/iPhone connected.
1. Press the [SRC / ] button to enter the Pandora mode.

Selecting a station from list
• BY DATE: List in an created date order
• A-Z: List in an alphabetical order

Go to next station or previous station (an alphabetical order)
Press the [ ] button on the panel or remote control to go to next station.
Press the [ ] button on the panel or remote control to go to previous station.

Thumbs up/down
Thumbs up:
Press the [6] button on the panel or the [RDM] button on the remote control for thumbs up.
Giving a track the thumbs up will tell Pandora to play more tracks like that one.
Thumbs down:
Press the [5] button on the panel or the [SCN] button on the remote control for thumbs down.
Giving a track the thumbs down will skip to the next track (subject to skip limit), and Pandora will remember not to play that track on the station again.

Notes:
• You can personalize your stations by “thumbs up” or “thumbs down”.
• Pandora limits the number of thumbs down allowed on their service.
If you attempt to thumbs down tracks beyond the limit, the current song continues to playback.

BOOKMARK artist or song
Short-press the [VOLUME] knob or the [RPT] button on the remote control to Bookmark artist.
Long-press the [VOLUME] knob or the [RPT] button on the remote control to Bookmark current artist of the track.

Creating new stations
Short-press the [1] button on the panel to create a new station from the current artist.
Long-press the [1] button on the panel to create a new track.

Note:
If the name of the station you wish to create for a track title or an artist name is the same as the station name currently playing, “NOW PLAY” appears on the display and the station will not be created.
iPod & iPhone Operations

Skip
Press the [BAND / CURSOR] button on the panel or on the remote control for the next tracks in station.

Note:
- Pandora limits the number of skips allowed on their service. If you attempt to skip tracks beyond the limit, “SKIP LIMIT” is displayed.

Play/Pause
Press the [4] button on the panel or the [HOLD] button on the remote control for play/pause.

Connect
Connect an iPod or iPhone to the USB connector via CCA-748 cable. When connecting a device, the unit will read the files automatically. The track information displays on the screen once playback start.

MENU
In the S-CTRL OFF mode, press [MENU / CURSOR] button, rotate the [VOLUME] knob select “MUSIC” or “VIDEO”.
Select “MUSIC”, press the [VOLUME] knob, then rotate the [VOLUME] knob to show PLAY LISTS / ARTISTS / ALBUMS / GENRES / SONGS / COMPOSERS, press and rotate the [VOLUME] knob to select a desired option, then press the [VOLUME] knob to confirm.
Select “VIDEO”, press the [VOLUME] knob, then rotate the [VOLUME] knob to show MOVIES / MUSIC VIDEOS / TV SHOWS / VIDEO PODCASTS / RENTALS, press and rotate the [VOLUME] knob to select a desired option, then press the [VOLUME] knob to confirm.

Note:
- VIDEO MENU item is different by the model of connected iPod and language setting.

Repeat play
This function allows you to play the current track repeatedly or play all tracks in your iPod/iPhone repeatedly.
1. Press the [2] button once or more until “RPT ON” appears on the LCD to perform repeat play.

Bluetooth Operations

The Bluetooth allows you to utilize your car’s built-in audio system for wireless mobile phone or music handsfree communication. Some Bluetooth mobile phones have the audio features, and some portable audio players support Bluetooth feature. This system can play audio data stored in a Bluetooth audio device. The car stereo with Bluetooth will be able to retrieve phonebook contacts, received call, dialed call, missed call, incoming calls, outgoing call and listen to music.

Notes:
- Do not leave the microphone of Bluetooth handsfree in the places with wind passing such as air outlet of the air conditioner, etc. This may cause a malfunction.
- If leave it in the places subjected to direct sun, high temperature can cause distortion, discoloration which may result in a malfunction.
- This system will not operate or may operate improperly with some Bluetooth audio players.
- Clarion cannot guarantee the compatibility of all mobile phones together with unit.
- Audio playback will be set to the same volume level as set during telephone call. This might cause problems, if extreme volume level is set during telephone call.

Handsfree Operations Pairing
1. Turn on Bluetooth function of your mobile phone.
2. Enter mobile phone’s Bluetooth setup menu.
4. Select CZ302 from the pairing list on the mobile phone.
5. Enter “0000” as the password (The password default setting is “0000”).
6. After pairing successfully, the unit will enter Bluetooth mode automatically, and “BLUETOOTH CONNECTED” will appear on the LCD.
7. The unit can connect three units.

- During pairing, depending on type of mobile phone, a six digit PIN code will be shown on both the source unit’s display and the mobile phone.
In this case, please make sure that you have the same PIN code on both devices, and then confirm on the mobile phone.

Making a call
Operation from Bluetooth menu

Press the [SRC / CURSOR] button to switch the source to “BLUETOOTH”. Press [MENU / CURSOR] button to select a way to make outgoing call.

- Dial Number
1. Press the [MENU / CURSOR] button.
2. Rotate the [VOLUME] knob on to switch: “DIAL NUMBER”.
3. Press the [VOLUME] knob to confirm the selection.
4. Rotate the [VOLUME] knob to select a number, press the knob to confirm and ready to input the next digit. Repeat the above until all numbers inputted.
5. Press the [BAND / CURSOR] button to dial.

- Dialed/Missed/Received
You can search any Dialed/Missed/Received.
1. Rotate the [VOLUME] knob to select “DIALED”, “MISSED”, “RECEIVED”.
2. Press the [VOLUME] knob to enter the selected call history.
3. Rotate the [VOLUME] knob to scroll the contacts.
4. When the contact name or mobile phone No. displayed, press the [VOLUME] knob to call the mobile phone No. of that contact.
* Press the [MENU / CURSOR] button to end the call.

- Call from Phonebook
You can search the contact name in the phonebook and make call.
Bluetooth Operations

1. Rotate the [VOLUME] knob to select “USER PHONEBOOK”.
2. Press the [VOLUME] knob to enter the selected phonebook.
3. Rotate the [VOLUME] knob to scroll the contacts.
4. The phone number and the name to scroll display. When the contact name is displayed, press the [VOLUME] knob to call the mobile phone No. of that contact.

Notes:
- Some mobile phones may not be able to transfer data of Phonebook.
- After RESET, please wait few minutes until data transferred following to the Bluetooth mode selection. During that, “PHONEBOOK UPDATING” is on the display.

- Redial
  You can call last dialed number. Press and hold the [BAND / ] button (1sec).

- Call Transfer
  You can switch Handsfree call and mobile phone call. Press the [BAND / ] button during call.

- Answering a call
  You can answer an incoming call by pressing the [BAND / ] button.
  * Press the [MENU / ] button to reject an incoming call.

Audio Streaming Operations

What is audio streaming?
Audio streaming is a technique for transferring audio data such that it can be processed as a steady and continuous stream. Users can stream music from their external audio player to their car stereo wirelessly and listen to the tracks through the car’s speakers. Please consult your nearest Clarion dealer for more information on the product of wireless audio streaming transmitter.

CAUTION
Please avoid operating your connected mobile phone while audio streaming as this may cause noise or sound choppy on the song playback.
Audio streaming may or may not resume after telephone interrupt as this is dependent on mobile phone.
System will always return to Radio mode if audio streaming is disconnected.

Note:
Be sure to read the chapter “Pairing before proceeding.

Play / Pause a track
1. Push the [ ] button to pause audio playback.  
2. To resume audio playback, push the [ ] knob again.

Selecting a track
Track-up
1. Press the [ ] button to move to the beginning of the next track.
2. Each time the [ ] button is pressed, playback proceeds to another track in the advancing direction.

Track-down
1. Press the [ ] button to move to the beginning of the previous track.
2. Each time the [ ] button is pressed, playback proceeds to previous track in the reverse direction.

Note:
Playing order will depend on Bluetooth audio player. When [ ] button is pressed, some A2DP devices will restart the current track depends on the duration of playback.
During music streaming playback, “A2DP” will be shown on the display.
When A2DP and HFP device is disconnected, “BLUETOOTH DISCONNECT” will be shown on the display and return to previously selected audio source. Some Bluetooth audio players may not have play / pause synchronized with this unit. Please make sure both device and main unit are in the same play / pause status in BT MUSIC mode.

ID3TAG display
During music streaming playback, for music information that is longer than the display panel:
When SCROLL is ON, the LCD will display ID3 TAG information cyclely, e.g: ALBUM->TITLE ->ARTIST...
When SCROLL is OFF, the LCD will display one of the ID3 TAG information, the default is TRACK, but user can adjust it to other ID3 TAG information by press [DISP] button.

AUX Operations

Press [SRC / ] button on the panel to select “AUX”. AUX is just for audio content with 3.5mm Jack connector plugged into audio-in socket on the front panel.

AUX Input sensitivity setting
1. Press and hold the [DISP] button (1 sec.).
2. Turn the [VOLUME] knob to select “AUX SENS”.
3. If the output level of connected external audio player is “HIGH”, rotate [VOLUME] knob and choose “LOW”. And if the output level is “LOW”, choose “HIGH”.

13 C2302
6. TROUBLE SHOOTING

GENERAL

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit cannot power on.</td>
<td>Unit fuse blown.</td>
<td>Replace with new fuse of correct rating.</td>
</tr>
<tr>
<td>Car battery fuse blown.</td>
<td>Replace with new fuse of correct rating.</td>
<td></td>
</tr>
<tr>
<td>Unit cannot power on. Nothing happens when buttons are pressed. Display is not accurate.</td>
<td>The microprocessor has malfunctioned due to noise, etc.</td>
<td>Turn off the power and remove the DCP. Press the [RESET] button with a thin rod. Note: When the [RESET] button is pressed, turn off the ACC power. *</td>
</tr>
<tr>
<td>No/low audio output.</td>
<td>Improper audio output connection.</td>
<td>Check wiring and correct.</td>
</tr>
<tr>
<td>Volume set too low.</td>
<td>Increase volume level.</td>
<td></td>
</tr>
<tr>
<td>Speakers damaged.</td>
<td>Replace speakers.</td>
<td></td>
</tr>
<tr>
<td>Heavily biased volume balance.</td>
<td>Adjust the channel balance to center position.</td>
<td></td>
</tr>
<tr>
<td>Speaker wiring is in contact with metal part of car.</td>
<td>Insulate all speaker wiring connections.</td>
<td></td>
</tr>
<tr>
<td>Poor sound quality or distortion.</td>
<td>Non-standard disc used.</td>
<td>Use a standard disc.</td>
</tr>
<tr>
<td>Speaker power rating does not match unit.</td>
<td>Replace speakers.</td>
<td></td>
</tr>
<tr>
<td>Wrong connections.</td>
<td>Check wiring and correct.</td>
<td></td>
</tr>
<tr>
<td>Speaker is shorted.</td>
<td>Check wiring and correct.</td>
<td></td>
</tr>
<tr>
<td>Unit resets itself when engine is off.</td>
<td>Incorrect connection between ACC and Battery.</td>
<td>Check wiring and correct.</td>
</tr>
</tbody>
</table>

DISC Player

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disc cannot be loaded.</td>
<td>Another disc is already loaded.</td>
<td>Eject the disc before loading the new one.</td>
</tr>
<tr>
<td>There is an object installed in the unit.</td>
<td>Remove the object inside the unit.</td>
<td></td>
</tr>
<tr>
<td>Sound skips or is noisy.</td>
<td>Compact disc is dirty.</td>
<td>Clean the compact disc with a soft cloth.</td>
</tr>
<tr>
<td>Sound is bad when power is first turned on.</td>
<td>Compact disc is heavily scratched or warped.</td>
<td>Replace with a compact disc with no scratches.</td>
</tr>
<tr>
<td>Condensation may form on the internal lens when the car is parked in a humid place.</td>
<td>Let dry for about 1 hour with power on.</td>
<td></td>
</tr>
</tbody>
</table>

Bluetooth

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cannot pair the Bluetooth enabled device with the car audio system.</td>
<td>The device does not support the profiles required for the system.</td>
<td>Use another device to connect.</td>
</tr>
<tr>
<td>The Bluetooth function of the device is not enabled.</td>
<td>Refer to the user manual of the device for how to enable the function.</td>
<td></td>
</tr>
<tr>
<td>The audio quality is poor after connection with a Bluetooth-enabled device.</td>
<td>The microphone is not correctly positioned.</td>
<td>Adjust the position of the microphone. For example, stick the microphone onto the dashboard where close to the driver.</td>
</tr>
<tr>
<td>The Bluetooth reception is poor.</td>
<td>Move the device closer to the car audio system or remove any obstacle between the device and the system.</td>
<td></td>
</tr>
</tbody>
</table>

SiriusXM Advisory Messages

<table>
<thead>
<tr>
<th>Message</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHK TUNER</td>
<td>Check the SiriusXM tuner connection on the back of the unit to ensure that it is correctly connected.</td>
</tr>
<tr>
<td>CHK ANTENNA</td>
<td>Ensure the SiriusXM antenna cable is connected to the SiriusXM tuner correctly. Check the SiriusXM antenna wire for breaks or sharp bends. Replace the antenna if necessary. Press RESET located in the message remains, the antenna may have been damaged.</td>
</tr>
<tr>
<td>NO SIGNAL</td>
<td>The vehicle must be outside, and the antenna must have a clear view of the southern sky. The magnetic antenna must be mounted on the outside of the vehicle for the best reception.</td>
</tr>
<tr>
<td>CH UNSUB</td>
<td>This channel is not included in your SiriusXM subscription plan. Call 1-800-XM-RADIO (1-800-967-2346) to subscribe.</td>
</tr>
<tr>
<td>CH UNAVAIL</td>
<td>This channel is not a valid SiriusXM channel.</td>
</tr>
<tr>
<td>CH LOCKED</td>
<td>The selected channel has been locked by the parental controls, or a mature channel has been selected. A prompt to enter the unlock code will appear. Enter the unlock code as described on page 9.</td>
</tr>
<tr>
<td>SUBSCRPTN UPDATED</td>
<td>An update to your SiriusXM subscription has been received by the SiriusXM tuner. Press any button to continue.</td>
</tr>
</tbody>
</table>
7. ERROR DISPLAYS

If an error occurs, one of the following displays is displayed. Take the measures described below to solve the problem.

<table>
<thead>
<tr>
<th>Display</th>
<th>Cause</th>
<th>Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERROR 3</td>
<td>Disc is inserted incorrectly.</td>
<td>Eject the disc then reload it properly.</td>
</tr>
<tr>
<td></td>
<td>The disc format is not supported.</td>
<td>Try another disc.</td>
</tr>
<tr>
<td>ERROR 5</td>
<td>This is a failure of deck’s mechanism.</td>
<td>Consult your store of purchase.</td>
</tr>
</tbody>
</table>

If an error display other than the ones described above appears, press the [RESET] button. If the problem persists, turn off the power and consult your store of purchase.

* When the [RESET] button is pressed, frequencies of radio stations, titles, etc. stored in memory are cleared.

8. SPECIFICATIONS

**FM Tuner**
- Frequency range: 87.9-107.9 MHz
- Usable sensitivity: 8 dB
- Frequency response: 30 Hz to 15 kHz
- Stereo separation: 30 dB (1 kHz)
- Signal/noise ratio: >55 dB

**AM Tuner**
- Frequency range: 530-1710 kHz
- Usable sensitivity: 5 (S/N=20dB): 30 dBμ
- Frequency response: 550 kHz to 10 kHz
- Signal/noise ratio: >55 dB
- Total harmonic distortion: Less than 0.1% (1 kHz)
- Channel separation: >60 dB

**CD Player**
- System: Disc digital audio system
- Frequency response: 20 Hz to 20 kHz
- Signal/noise ratio: >94 dB
- Total harmonic distortion: Less than 0.1% (1 kHz)
- Channel separation: >60 dB

**MP3/WMA mode**
- MP3 sampling rate: 8 kHz to 48 kHz
- MP3 bit rate: 8 kbps to 320 kbps / VBR
- WMA bit rate: 8 kbps to 320 kbps
- Logical format: ISO9660 level 1,2
- Joliet file system

**USB**
- Specification: USB 1.0/2.0
- Playable audio format:
  - MP3(.mp3): MPEG 1/2/Audio Layer-3
  - WMA(.wma): Ver 7/8/9.1/9.2
- Logistical file system: ISO9660 level 1,2

**Bluetooth**
- Specification: Bluetooth Ver. 2.0+EDR
- Profile:
  - HFP (Hands-free Profile)
  - A2DP (Advanced Audio Distribution Profile)
  - AVRCP (AV Remote Control Profile)
  - PBAP (Phone Book Access Profile)
- Send/Receive Sensitivity: Class 2

**Audio Amplifier**
- Maximum power output: 180W (45W x 4)
- Speaker impedance: 4Ω (4 to 8 Ω allowable)

**Input**
- Audio input sensitivity:
  - High: 320mV (at 1V output)

**General**
- Power supply voltage: 14.4VDC (10.8 to 15.6V allowable), negative ground
- Pre-Amp output voltage: 2.0V (CD play mode: 1kHz, 0dB, 10kΩ load)
- Fuse: 15A
- Dimensions of the Main Unit: 188mm Width × 58mm Height × 190mm Depth
- Dimensions of the Remote Control unit:
  - 63mm Width × 11mm Height × 113mm Depth
  - 1×2/3(Width) × 2/5(Height) × 4×2/5(Depth)
- Weight of the Main Unit: 2.97lb (1.35kg)
- Weight of the Remote Control Unit: 1.16oz (36g) (including battery)

**Note:**
- Specifications and design are subject to change without notice for further improvement.

**Power Output:**
- 19W RMS x 4 Channels at 4Ω and 1% THD+N

**Signal to Noise Ratio:**
- 94dB (reference: 1W into 4)

---

Mid: 650mV (at 1V output)
Low: 1.3V (at 1V output)
(input impedance 10 kΩ or greater)
Aux-in level: ≤ 2V
9. INSTALLATION / WIRE CONNECTION GUIDE

CONTENTS
1) Before Starting ................................................................. 16
2) Package Contents ............................................................... 16
3) General Cautions ............................................................... 16
4) Cautions on Installation ...................................................... 16
5) Installing the Source Unit .................................................. 16
6) Removing the Source Unit .................................................. 17
7) Wiring and Connections ...................................................... 18
8) Connecting the accessories .................................................. 18

1) Before Starting
1. This set is exclusively for use in cars with a negative ground 12 V power supply.
2. Read these instructions carefully.
3. Be sure to disconnect the battery “terminal” before starting. This is to prevent short circuits during installation. (Figure 1)

2) Package Contents
<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source unit</td>
<td>1</td>
</tr>
<tr>
<td>Front panel</td>
<td>1</td>
</tr>
<tr>
<td>Trim ring</td>
<td>1</td>
</tr>
<tr>
<td>Mounting bracket</td>
<td>1</td>
</tr>
<tr>
<td>Screws M5x6 mm</td>
<td>4</td>
</tr>
<tr>
<td>L-key</td>
<td>2</td>
</tr>
<tr>
<td>Wire connector</td>
<td>1</td>
</tr>
<tr>
<td>DCP case</td>
<td>1</td>
</tr>
<tr>
<td>Remote control unit (with battery)</td>
<td>1</td>
</tr>
<tr>
<td>Owner’s manual</td>
<td>1</td>
</tr>
<tr>
<td>Warranty card</td>
<td>1</td>
</tr>
<tr>
<td>Special screw (Front panel lock)</td>
<td>1</td>
</tr>
</tbody>
</table>

3) General Cautions
1. Do not open the case. There are no user serviceable parts inside. If you drop anything into the unit during installation, consult your dealer or an authorized Clarion service center.
2. Use a soft, dry cloth to clean the case. Never use a rough cloth, thinner, benzine, or alcohol etc. For tough dirt, apply a little cold or warm water to a soft cloth and wipe off the dirt gently.

4) Cautions on Installation
1. Prepare all articles necessary for installing the source unit before starting.
2. Install the unit within 30° of the horizontal plane. (Figure 2)
3. If you have to do any work on the car body, such as drilling holes, consult your car dealer beforehand.
4. Use the enclosed screws for installation. Using other screws can cause damage. (Figure 3)

5) Installing the Source Unit
1. Place the mounting bracket into the instrument panel, use a screwdriver to bend each stopper of the mounting bracket inward, then secure the stopper. Wire as shown in Section 7.
2. Insert the source unit into the mounting bracket until it locks.
3. Take care of the top and bottom of the trim ring and mount it so that all the hooks are locked.

Notes:
1. Some car models require special mounting kits for proper installation. Consult your Clarion dealer for details.
2. Fasten the front stopper securely to prevent the source unit from coming loose.

• Console opening dimensions
1. Before installation, please make sure proper connections are conducted and the unit operates normally. Improper connection may result in damage to the unit.
2. Use only accessories designed and manufactured for this unit and other unauthorized accessories may result in damage to the unit.
3. Before installation, please fasten all power cables.
4. DO NOT install the unit in the place where close to hot area to prevent damage to electrical components such as the laser head.
5. Install the unit horizontally. Installing the unit more than 30 degree vertically may result in worse performance.

6. To prevent electric spark, connect the positive pole first and then the negative pole.
7. DO NOT block the cooling fan exit to ensure sufficient heating dissipation of this unit, or it may result in damage to this unit.

Unit Installation

**Method A**
1. Insert mounting bracket into dash board, choose appropriate mounting tab according to the gap width, bending the mounting tab outwards with a screwdriver to fix the mounting bracket in place.
2. Slide the unit into the bracket until you hear a click sound.

**Method B**
6) Removing the Source Unit

**Disassemble trim ring**
1. Push the trim ring to right and pull out the right part.
2. Push the trim ring to left and pull out the left part.

**Disassemble the unit**
1. Switch off the power.
2. Remove the panel.
3. Remove the trim ring.
4. Insert the removal keys straight back until they lock, then pull the unit out.
5. Disconnect all the wires.

**Trim ring installation**
Attach the trim ring around the front panel. Take care of the top and bottom of the trim ring and mount it so that all the hooks are locked.
7) Wiring and Connections

- Connecting to the external amplifier
  External amplifiers can be connected to the 4 channel RCA output connections. Ensure that the connectors are not grounded or shorted to prevent damage to the unit.

8) Connecting the accessories

- Connecting to the external amplifier