

clarion[®]

DA BT CP AA Wireless

READ THIS MANUAL BEFORE USING HEAD UNIT.



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1. PRECAUTIONS



- For your safety, the driver should not watch any video sources while driving. Please note that watching video sources while driving is prohibited by law in some countries. Also, while driving, keep the volume at a level at which external sounds can be heard.
- Do not disassemble or modify this unit. It may cause an accident, fire, or electric shock.
- Do not use this unit when trouble exists, such as no screen content is visible or no sound is audible. It may cause an accident, fire, or electric shock. In this case, please contact an authorized Clarion dealer or your nearest Clarion service center.
- In case of a problem, such as any foreign material entering the unit, the unit getting wet, or smoke or strange smell coming out from the unit etc., stop using the unit immediately, and consult your Clarion authorized dealer or nearest Clarion service center. Continuing to use it in this condition may cause an accident, fire, or electric shock.
- When replacing the fuse only use a fuse with the same specification as the original. Using a fuse with a different specification may cause a fire.
- For the installation of this unit or a change in the installation, contact your local Clarion authorized dealer to ensure a safe installation. Professional skills and experience are required to install these types of devices in most modern vehicles.
- As the driver, you alone are responsible for your driving safety.
- In order to avoid distraction and accidents, do not operate the system while driving. Operate the system only when the vehicle is stopped at a safe place and the parking brake is on.
- Changes or modifications not expressly approved by the party responsible for compliance will void Clarion's liability in case of an accident.
- 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 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.
- Improper connection of speed pulse signal may result in serious damage or injury including electrical shock, and interference with the operation of the vehicle's anti-lock braking system, automatic gearbox and speedometer indication.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

- This product contains Metallic and Plastic recyclable materials that could be reused.

ABOUT THE REGISTERED MARKS, ETC

- "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. Use of the Apple CarPlay logo means that a vehicle user interface meets 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.
- iPhone, iPod and Siri are trademarks of Apple Inc., registered in the U.S. and other countries.
Apple CarPlay is a trademark of Apple Inc., registered in the U.S. and other countries.
- Android Auto logo means that electronic accessory has been designed to connect specifically to Android phone 5.0(Lollipop) or higher versions, and has been certified by the developer to meet Google performance standards.
Android and Android Auto are trademarks of Google Inc.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Electronica Clarion S.A. de C.V. is under license. Other trademarks and trade names are those of their respective owners.

2. BUTTON DESCRIPTION

- ① Power button
- ② Home button
- ③ Return button
- ④ Volume up button
- ⑤ Volume down button
- ⑥ LCD Display: The display will show various widgets/options available depending on the mode you are in.
- ⑦ Widgets

3. FUNCTIONS



LCD / WIDGETS



3. FUNCTIONS (Cont.)

TUNE

- Preset buttons 12 AM and 12 FM
- Search/Seek tuning, Manual tuning

AUDIO

- Electronic Audio controls
- Bass, Mid and Treble controls
- Balance control 4 way
- Loudness
- 4 modes of pre-equalization (User, Pop, Rock, Classic, Jazz)
- Output power 45W x 4 Ch

USB PLAYER

- Repeat control
- MP3/WMA searching control
- Forward and Backward
- Random Control function

General

- Display Audio Information
- USB Charging
- Mode Selector Radio/AV-In/USB/iPod/BT/CP/AA/Wallpaper
- Voltage operation 13.2 +/- 5%

4. AUDIO SETTING

POWER ON/OFF/MUTE, VOLUME UP, VOLUME DOWN

Push the power button to turn the unit ON, push the power button when the unit is on to mute the audio and push and hold the power button for 2 seconds to turn the unit OFF. Push the volume up or down button to adjust the volume level: minimum of 0 and maximum of 40, after 5 seconds of the last adjustment the units display will return to the previous mode.

Please note – in order to protect the driver and the vehicles speakers, the unit is designed to always start at an initial volume level (set in the system settings) when powered on.

Push the Tone icon in the bottom right of the main screen to access the tone setting menu where you can adjust EQ MODE, BASS, MID, TREBLE, LOUD and RESET.

Balance Adjustment

To adjust the balance level, press and slide the white dot in the center of Balance adjustable setting area positioned on the left side of 'Tone Adjust Menu'. The white dot can be moved Front(F1~F5)/Rear(R1~R5) and Right(R1~R5)/Left(L1~L5).

Equalizer Mode Adjust

To adjust the preset equalizer profiles press the up and down arrows to change between the various options. Options available are USER, POP, ROCK, CLASSIC, JAZZ.

Bass Adjustment (available only when Equalizer mode is set to USER)

To adjust the level of bass, press the up arrow to increase the Bass level and the down arrow to decrease the Bass level. The value displayed will range from -5 to +5.

4. AUDIO SETTING (Cont.)

Mid Adjustment (available only when Equalizer mode is set to USER)

To adjust the level of Mid, press the up arrow to increase the Mid level and the down arrow to decrease the Mid level. The value displayed will range from -5 to +5.

Treble Adjustment (available only when Equalizer mode is set to USER)

To adjust the level of Treble, press the up arrow to increase the Treble level and the down arrow to decrease the Treble level. The value displayed will range from -5 to +5.

Loudness

To toggle, whether loudness is on or off, simply press 'LOUD' on the screen. Loudness enhances the unit's Bass and Treble response.

Reset

Pressing 'Reset' on the screen will return all tone settings to factory default.

5. DISPLAY SETTING

Push the Display icon in the bottom right of the main screen to access the display setting menu where you can adjust BRIGHTNESS, CONTRAST, DAY/NIGHT DIMMER, LCD OFF and RESET.

Brightness Adjustment

To adjust brightness level, press the right or left arrows to adjust the level desired. The value of brightness displayed will range from -12 to +12.

Contrast Adjustment

To adjust contrast level, press the right or left arrows to adjust the level desired. The value of contrast displayed will range from -12 to +12.

LCD On and Off Adjustment

The unit's LCD screen can be turned off manually by pressing 'LCD OFF' button. After LCD is turned off, if the screen is touched, LCD will be turn on.

Day and Night Dimmer Adjustment

To manually adjust the unit's dimmer to Day, Night or Auto by pressing the corresponding button on screen.

Reset

Pressing 'Reset' on the screen will return all tone settings to factory default.

6. SYSTEM SETTING

Press the System icon in the bottom of the main screen to access the system setting menus and the left and right arrows to move between the various menus.

Beep Sound

Toggles whether a beep tone is heard when a button is pushed.

Power Off Clock

Toggles whether Clock information is shown when HU is powered off.

Language Selection

Use the left and right arrows to select the system language among English(ENG), Spanish(ESP), Portuguese(POR) and French(FRE).

Wi-Fi Setup

Entering into WiFi setting menu to setup with HU SSID Name revision and its Password.

6. SYSTEM SETTING (Cont.)

SWC Custom (Auto Learning)

Entering into SWC setting menu to setup with each vehicle's own steer wheel control buttons functions; Volume up/down, Mode, Seek up/down, Voice, Call, Hand up.

Parking Guide

Toggles whether Rear Camera with Parking Guide is shown when the vehicle is on reverse gear.

Phone Auto Answer

Toggles whether activate phone auto answering function while incoming phone calls.

Ignition

Toggles whether activate Ignition function to maintain HU power for 10 minutes after ACC Off.

Parking Guide Adjust

Parking Guide lines can be adjusted by dragging each edge of lines. After adjustment, if 'SAVE' is pushed, the adjusted parking guide lines are saved. Or if 'INIT' is touched, the parking guide lines are back to default line location.

Device Name

Device name can be modified within 16 characteristics.

Microphone

Microphone setting can be selected between 'Internal' and 'External'.

MIC Gain

MIC Gain value can be ranged from -12 to +12.

Radio Area

Use the left and right arrows to select the radio area among Latin-American(LATIN), European(Europe), and North-American(USA).

AutoLink

AutoLink function can be either activated or deactivated. If 'AutoLink' is activated, 'CarPlay' and 'Android Auto' will not be operated.

Factory Reset

HU is back to Factory Reset status. When 'Factory Reset' is pushed, its warning pop-up sign is shown up, either 'Yes' or 'No'.

Initial Volume Adjustment

Touch the white dot on volume level bar and drag to desired level at which the radio will start at whenever the unit is powered on. Values can range from 0 to 40.

To set up each modes' volume level, touch the arrow on each right/left side of screen of 'System Setting', so that adjust the volume level of Radio, USB Movie/Audio, iPod Audio, AV-In, Bluetooth Audio, Alert, Phone Call, Entertainment, Notification, Voice Recognition

AUX Level Adjustment

Touch the white dot on Aux level bar and drag to desired level of attached external devices. Values can range from 0 to +3.

Speed Volume Adjustment

Use the left and right arrows to choose the volume mode to be used based on the speed of the vehicle (requires connection to vehicles speed sensor). Values – OFF, LOW, MID, HIGH.

Edit Home Menu

This allows you to change the order of the widget on the Home Menu.

Date and Clock Setting

This option in the systems menu allows you to adjust the date & clock on the main screen. Year, Month, Day, AM/PM, Hours, Minutes and 12/24H modes can all be selected on this screen.

Ver. Info

This allows you to see the version numbers of the software installed in the unit.

7. RADIO OPERATION

This section describes the operation in Radio Mode.

Enter Radio Mode

In Home Menu, press the button Radio or its icon.



Band Selection

This unit has 2 AM and 2 FM bands each capable of storing up to 6 preset stations. To change the band, simply tap the band button on screen. Each time it is tapped it will change the band as indicated below.

FM1 – FM2 – AM1 – AM2

Manual Tuning

Use the ◀ and the ▶ buttons on screen to adjust reception one frequency step up or down in the current Band.

Seek Tuning

Use the ◀◀ and the ▶▶ buttons to activate the seek function of the tuner. The tuner will automatically search up or down depending on the button pressed and stop at the first strong signal it finds in the current band.

Scan Tuning

Push the SCAN button on screen to activate the SCAN function, the SCAN icon on the screen will flash while scanning and the unit will automatically scan the current band stopping at each strong signal it finds for 10 seconds before resuming scanning. Push SCAN again to disable this function.

Autoscan Presets

Push and hold the SCAN button for 3 seconds to activate the AUTOSCAN function. When activated the unit will automatically scan the band and program the Presets 1 through 6 with the first six strong signals it finds. It will then play each new preset for 5 seconds before returning to preset 1.

Setting Presets

To set a radio channel to a preset, simply push and hold on the screen preset for at least 3 seconds while tuned to the channel you are trying to store. There are 6 presets available per band.

Selecting Presets

By simply pressing the preset on screen, the unit will tune to the station stored.

8. USB MUSIC FILE OPERATION

This section describes the available commands to control and play music files through USB. When a USB device is inserted into the unit's USB external cable, it will automatically play saved music in the root folder. Alternatively when a USB device is already connected, you can either press the 'USB Audio widget'

8. USB MUSIC FILE OPERATION (Cont.)

on the Home Menu or the 'USB Audio' on pop-up menu of Media, which is located in bottom line.

- Type of files supported : Check table 1 in section 19. FORMAT AVAILABLES



Previous Track and Restart

Pushing the ⏮ button on screen will rewind the current track to its beginning. If it pressed again before 3 seconds has elapsed, it will go to the beginning of the previous track and so on. In this way, it is possible to skip multiple tracks simply by pressing the ⏮ button repeatedly.

Fast Rewind

Pushing and holding the ⏮ button on screen will fast rewind the current track. Release button to resume play.

Next Track

Pushing the ⏭ button on screen will skip to the beginning of the next track.

Fast Forward

Pushing and holding the ⏭ button on screen will fast forward the current track. Release button to resume play.

Playlist & Folder

Touch the Folder icon to enter playlist on the right side of playlist, then searching music files manually is available by sliding scroll bar or touching arrows UP/DOWN.

To search song by each folder, there is an additional Folder icon above the scroll bar. Then, all folder list is available to search by sliding scroll bar or touching arrows UP/DONW.

Select a music file or a folder desired by touching the filename or folder name.

Repeat and Random Function



Repeat all tracks (Default)



Random Play OFF (Default)



Repeat selected track



Random Play ON



Repeat selected folder



Random ON within a folder

9. USB PHOTO FILE OPERATION

This section describes the available commands to control and display photo images through USB. Press the 'USB Photo widget' on the Home Menu or the 'USB Photo' on pop-up menu of Media, which is located

9. USB PHOTO FILE OPERATION (Cont.)

in bottom line. When the unit is entered into USB Photo, there is folder list on the left side, and photo list is on the right side. Each list can be scrolled independently.

- Type of files supported : Check table 2 in section 19. FORMAT AVAILABLES



Folder List

The first folder is root folder, and each folder is shown in orders. When a folder is touched, the folder's Photo List is displayed with file name and thumbnail on the right side.

Photo List

A photo is pressed among the Photo List, its full-screen-sized picture is presented on screen. If the full-screen-sized picture is touched again, function menu is presented shortly (about 3 seconds).

- Return : Back to the Folder & Photo List
- Play / Pause : Play and pause the current folder's photo sequentially
- Forward : Pressing the ►► button to view the next photo
- Backward : Pressing the ◀◀ button to view the previous photo
- Save : Save a photo for Wallpaper (Saving 10 wallpaper images in maximum)
- Display Setting : Display setting menu is popped up.

10. USB MOVIE FILE OPERATION

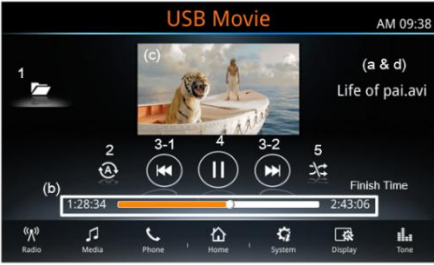
This section describes the available commands on your unit to play video files through USB. Press the 'USB Movie widget' on the Home Menu or the 'USB Movie' on pop-up menu of Media, which is located in bottom line.

- Type of files supported : Check table 3 in section 19. FORMAT AVAILABLES



10. USB MOVIE FILE OPERATION (Cont.)

Buttons & Icon, Text Description



Buttons			
NO.	DESCRIPTION	TYPE	REMARK
1	Folder	Image	Enter Folder List
2	Repeat	Image	A : Repeat all track (Default) F : Repeat selected in folder 1 : Repeat selected track
3	Next/Prev	Image	Go to Next/Previous movie Long key : FR / FF
4	Play	Image	Play/Pause
5	Random Play	Image	Random OFF : Random OFF (Default) Random ON : Random ON Folder Random : Random ON in folder

- Repeat all tracks (Default)
- Repeat selected track
- Repeat selected folder
- Random Play OFF (Default)
- Random Play ON
- Random ON within a folder

Icon & Text			
NO.	DESCRIPTION	TYPE	REMARK
a	Title	Image	Indicate Title
b	Present time	Font	Indicate present time
c	Thumbnail view	Image	Playing in Thumbnail view
d	File name	Font	Indicate File name

Playlist & Folder

Touch the Folder icon to enter playlist on the left side of screen, then searching movie files manually is available by sliding scroll bar or touching arrows UP/DOWN.

To search movie by each folder, there is an additional Folder icon above the scroll bar. Then, all folder list

available to search by sliding scroll bar or touching arrows UP/DONW. Select a folder desired by touching folder name, so that movie file list of the selected folder is shown.

Full Size Screen

If a thumbnail view is touched, its full-sized screen is shown. By touching the full-sized screen, function menu is presented shortly (about 3 seconds).

- g. Return : Back to thumbnail view
- h. Play / Pause : Playing and pausing the current movie file
- i. Forward : Pressing the ►► button to play the next movie (Long Key : FF)
- j. Backward : Pressing the ◀◀ button to play the previous movie (Long Key : FR)
- k. Repeat / Shuffle : Setting the Repeat and Shuffle function of movie play
- l. Foler : Moving to Folder List
- m. Display Setting : Display setting menu is popped up.


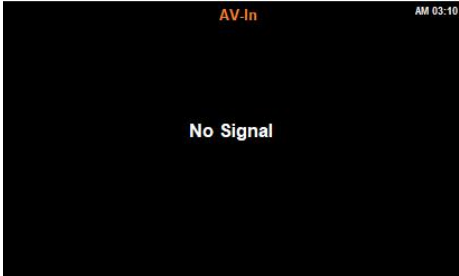
11. AV-IN OPERATION

To enter into AV-IN menu, press the 'AV-IN widget' on the Home Menu or the 'AV-IN' on pop-up menu of Media, which is located in bottom line.



11. AV-IN OPERATION (Cont.)

If any external device for audio/video inputting is connected via video input cable, sound is output via speaker and video are output via HU screen. If any external device is not connected, 'No Signal' sign is shown on HU screen.

With External Device connected	Without External Device connected
	

While AV-In is on screen, if screen is touched shortly, 'Display Setting' menu is pop-up overlapped with the AV-In screen, such as 'Brightness', 'Contrast', 'LCD ON/OFF', etc.

12. Auto Link (Mirroring)

*Auto Link is only available with Android Phone.

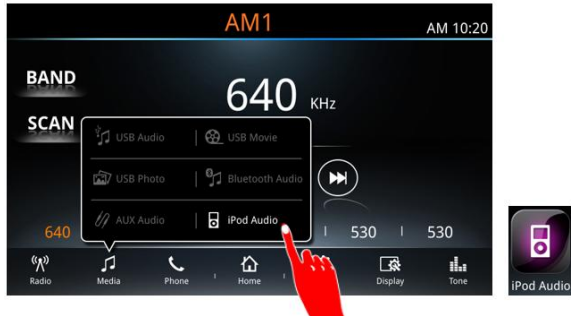
To start with Auto Link function, 'AutoLink' function must be activated on 'System Setting'. If a phone is connected with HU via either USB or Wi-Fi, autolink app is operated. If AutoLink pop-up message is shown on the phone, press the start, so that AutoLink is connected with HU.

13. iPod OPERATION

This section describes the available commands on your unit to play files in apple devices.

Enter iPod Audio Mode

In media menu, press the button 'iPod Audio' or push the icon 'iPod Audio' in Home menu.



Switching to iPod Audio can be done through the Media menu or through the Home menu. When the iPod is not connected the iPod Audio widget and menu selection will not be accessible. The unit will automatically read an iPod when it is connected through the USB port and the unit is powered on. Disconnecting your iPod will return the unit to its previous function i.e. Radio.

13. iPod OPERATION (Cont.)

File Navigation

Previous Track and restart

Pushing the ◀◀ button on screen will rewind the current track to its beginning. If it pressed again before 3 seconds has elapsed it will go to the beginning of the previous track and so on. In this way it is possible to skip multiple tracks simply by pressing the ◀◀ button repeatedly.

Fast Rewind

Pushing and holding the ◀◀ button on screen will fast rewind the current track. Release button to resume play.

Next Track

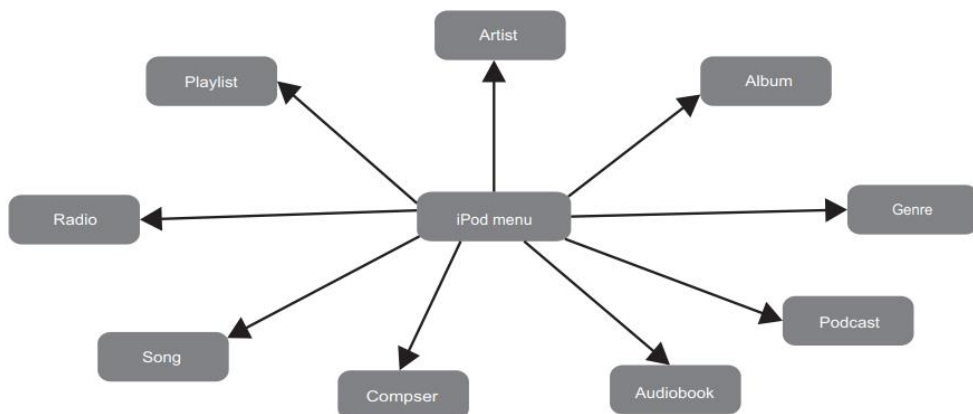
Pushing the ▶▶ button on screen will skip to the beginning of the next track.

Fast Forward

Pushing and holding the ▶▶ button on screen will fast forward the current track. Release button to resume play.

iPod Menu

Push the folder icon to access the iPod menu where you will be able to access your playlists and songs in various categories.



Note: Recommended to play with original wire

14. BLUETOOTH FUNCTION

12.1 Pairing Phone Management

Pairing your phone

On the Phone menu press the Connection button on screen to start pairing the LCD will display “Searching...” for approximately 2 minutes. Using your phones settings menu select FX575 from the Bluetooth devices list in order to pair with the head unit. You may be prompted to allow downloading of your Contact information.

14. BLUETOOTH FUNCTION (Cont.)



Select Device

The head unit is capable of storing up to 5 different mobile Bluetooth devices. You can use this menu to select which mobile device your unit is active with.

Delete Device from List

Within the selection menu you can delete any of the stored Bluetooth devices by pressing the Delete button by the device's name and confirming Yes or No.

Remove all Connections

Also in the selection menu you can remove all connections by pressing the Remove all connections button and confirming OK.

Automatic Connection to Head Unit

A mobile device that has been previously paired and connected to the head unit will automatically re-connect every time the head unit is powered on after a short delay. When connected cell phone signal strength and battery strength icons appear in the top right of the screen.

Go back to Previous Menu

In every Bluetooth function (Phone, Phonebook, and Audio), going back to previous menu is possible by pressing Return button.

12.2.1 Phonebook

Once connected your mobile device's contact list will be downloaded each time the head unit is powered on. Confirmation may be required on some phones. By pressing the Phonebook button on screen, you will

be able to access all the entries in your phone's contact list.

To make a call simply press the contact info on screen and confirm by selecting which phone number to dial.

Call History

Press Call History to access your phone's call history, which is a list of contact info up to 20 of the last history of received, made, and missed. By either sliding the list or pressing arrows (UP/DOWN), received call history can be searched manually. The call history is divided into 'Entire List', 'Received Call', 'Calls Made', and 'Missed Call'. Each history can be selected by pressing Tap Menu of 'Call History'.

Received Call

It is a list of contact info upon to 20 of the last calls received. (Searching by sliding list or pressing arrows manually) You can make a call by selecting a contact from the list.

Calls Made

It is a list of contact info upon to 20 of the last calls made. (Searching by sliding list or pressing arrows manually) You can make a call by selecting a contact from the list.

14. BLUETOOTH FUNCTION (Cont.)

Missed Call

It is a list of contact info upon to 20 of the last missed calls. (Searching by sliding list or pressing arrows manually) You can make a call by selecting a contact from the list.

12.2.2 Phone Menu

Dial Number

Phone number can be dialed manually in 'Phone' Menu. Press 'Call' button to start its phone-call.

Answering & Hanging-up phone-call

Incoming call can be answered directly from the head unit, when its ringtone is heard through the vehicle's speakers. When a phone-call is come in, the screen will show the contact info or number calling with 'Call' icon and 'Hang up' icon. Press 'Call' icon to answer the phone-call or 'Hang up' icon to reject / finish the phone-call.

Audio Handling while in Calling Mode

Pushing the 'Speaker Mute' button on screen will mute the vehicle speakers transferring the audio back to the cell phone speaker. This can be toggled back and forth.

Pushing the 'Mute MIC' button on screen will mute the unit's internal / external microphone, so that the caller cannot hear any sound of the vehicle. This can be also toggled, so to restore normal communication. Internal / External Microphone can be set in the 'System' Setting Menu.

12.3 Bluetooth Audio

Press the 'Bluetooth Audio widget' on the Home Menu or the 'Bluetooth Audio' on pop-up menu of Media, which is located in bottom line.



Rewind & Fast Forward

It is possible to navigate tracks with the ◀◀ and ▶▶ buttons on screen.

Track Information

Different information will automatically appear on the screen about the track being played such as Title, Artist, and Album.

Playlist & Folder

Touch the Folder icon to enter playlist on the right side of playlist, then searching playlist manually is available by sliding scroll bar or touching arrows UP/DOWN.

To search song by each folder, there is 'Folder' bottom line of List.

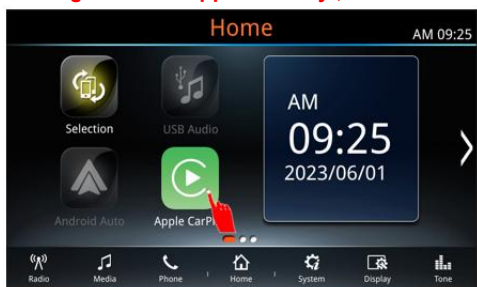
15. Apple CarPlay

Available on select cars, Apple CarPlay is a smarter, safer way to use your iPhone in the car. Apple CarPlay takes the things you want to do with your iPhone while driving and puts them right on your car's built-in display. You can get directions, make calls, send and receive messages, and listen to music, all in a way that allows you to stay focused on the road. Just connect your iPhone and go.

Apple CarPlay features Siri voice control and is specially designed for driving scenarios. Apple CarPlay also works with your car's controls buttons, or touchscreen. And the apps themselves have been reimagined for the car, so you can use them while your eyes and hands stay where they belong.

14.1 Enter Apple CarPlay mode.

Connecting any Apple CarPlay capable device to the unit via either Wi-Fi or USB will automatically bring up the units Apple CarPlay screen or if it is already connected by pressing the Apple CarPlay widget on the main screen. **To connect iPhone device via WiFi, its BT pairing should be started, and when a Pop-up message 'Enable Apple CarPlay', 'Enable CarPlay' should be pressed for Wireless CarPlay.**



14.2 Navigation in Apple CarPlay Mode

The navigation in Apple CarPlay mode depends on available applications by Apple company. For more information, check website.: <http://www.apple.com/ios/carplay/>

14.3 Principal Apple CarPlay Mode

PHONE: Apple CarPlay uses iPhone contacts to help you make calls. Use the "Show contacts" for your favorite display, your recent calls, your contacts list, keyboard and voice mail.

MUSIC: Use Music to access music from your iPhone (including songs, artists, albums and playlists). Or synchronize it with Radio. Apple CarPlay also allows you to use other audio apps you download the podcasts and iPhone to play music or listen to the radio. Use the "Now Playing" screen to control playback, or use the controls on the wheel of your car.

MAPS: Get step-by-step, get traffic conditions and know the approximate travel time. Apple CarPlay generates possible destinations from addresses of your email, your text messages, contacts and calendars, and based the places you go often. You can also search for a location or use the locations included in your bookmarks. You can even use other apps for obtaining directions. Apple CarPlay tell you when to redisplay your information.

MESSAGES: When you open Messaging, Siri is automatically activated to read your incoming messages

allows you to dictate a new message. Let Siri help you send, listen and reply to text messages.

NOW PLAYING: When exist some music application is playing, in this menu is possible to access directly.

RETURN: In main screen for Apple CarPlay application is include CLARION icon, push this button in order to return to main screen for Head Unit, or disconnect apple device.

PODCAST: Use the Podcasts app to listen to podcasts on the iPhone.

15. Apple CarPlay (Cont.)

AUDIOBOOKS: Use the Audiobooks app to listen Audiobooks on the iPhone.

SIRI AND MENU: Use this button to play Siri and return to main menu.

NOTE: For wired CarPlay via USB connection is recommended use original wires for faster data transferences.

16. Android Auto

The Android Auto was designed with safety in mind. With a simple and intuitive interface, integrated steering wheel controls, and powerful new voice actions, it's designed to minimize distraction so you can stay focused on the road. To use Android Auto, you need an Android Auto compatible vehicle or aftermarket radio and an Android phone running 5.0 (Lollipop) or higher. When you connect your Android phone to the compatible vehicle or radio, Android Auto will display applications on the vehicle's screen.

For more information about Android Auto compatibility, please visit the website:

support.google.com/androidauto

15.1 Enter Android Auto mode

Connect between the head unit and the device compatible with Android Auto application via either Wi-Fi or USB. **To connect Android phone via WiFi, BT pairing should be started in advance. Then, it is automatically connected Wireless Android Auto.** The head unit screen shows set-up setting in mobile device in order to match information between both devices. After this setting configuration, the head unit and mobile device are playing in Android Auto application.

(The setting configuration is exclusive for the first time.)

15.2 Principal Android Auto Mode

MAPS: Get step-by-step, get traffic conditions and know the approximate travel time. Android Auto generates possible destinations from addresses of your email, your text messages, contacts and calendars, and based the places you go often. You can also search for a location or use the locations included in your bookmarks. You can even use other apps for obtaining directions. Android Auto tell you when to re-display your information.

PHONE: Android Auto uses Phone contacts to help you make calls. Use the 'Show contacts' for your favorite display, your recent calls, your contact list, keyboard and voice mail.

MAIN: Use this button to return to beginning menu.

GOOGLE MUSIC: Use Music to access music from your Phone (including songs, artists, albums and playlists). Or synchronize it with Radio. Android Auto also allows you to use other audio apps you download the podcasts and Phone to play music or listen to the radio.

MENU: This menu is possible to see different setting in Android Auto applications.

If the settings are done, it is possible to enter to Android Auto mode by pushing Android Auto icon in screen of head unit.



16. Android Auto (Cont.)

NOTE: If the mobile device is reset with information Android Auto, which is connected with head unit previously, the device must do setting configuration again.

15.3 Navigation in Android Auto mode

The navigation in Android Auto mode depends on available application by Google company. For more information, check website.: <https://www.android.com/auto/>

15.4 Exit from Android Auto mode

In Android Auto menu screen, there is 'CLARION' icon for return to main screen of head unit, or disconnect between mobile device and head unit.

NOTE: For wired Android Auto via USB connection is recommended use original wires for faster data transferences.

17. GENERAL PRECAUTION

1. This device has highly-sensitive buttons; avoid applying excessive force as this can damage the unit and reduce button life.
2. Do not open the unit. The devices interior parts cannot be repaired by the user. Please contact your dealer or an authorized service center if there is an issue.
3. Use a soft, dry cloth to clean the control panel and screen, NEVER use rough cloth, thinner, gasoline,

alcohol etc. If necessary, use a soft damp cloth and carefully clean the unit.

4. Do not insert foreign objects (screwdrivers, knives, metal objects etc.) into the unit inputs as they may damage the device voiding the warranty.

18. RECOMENDATIONS FOR USB DEVICE

- When using USB devices:
1. Only use certified USB devices with this device.
 2. To prevent damage to the USB device either change the mode to another (non-USB) mode or power off the unit.
 3. The head unit is capable of reading USB protocols 1.1 and 2.0. Verify your device is compatible.
 4. If the USB device cannot be read by the unit, please confirm the following:
 - a. The USB device has been properly formatted.
 - b. Make sure only MP3, WMA or AAC files are stored in the corresponding MP3, WMA and AAC file folders
 5. You are using a certified USB cable to attach the USB device to head unit.

19. FORMAT AVAILABLES

Table 1

Audio				
File Format	Version / Layer	BIT Rate	Sampling	Support Status
ACC	MPEG2	8 – 384 Kbps	8 -48 Khz	OK
	MPEG2	8 – 384 Kbps	8 -48 Khz	OK
WMA	WMA9	8 – 384 Kbps	8 -48 Khz	OK
	WMA10 Pro			Not Support
	WMA Lossless			Not Support
FLAC	Flac	8 – 384 Kbps	8 -48 Khz	OK
MP3	MPEG1/L1	32 – 384 Kbps	32/44.1/48 Khz	OK
	MPEG2/L1	32 – 256 Kbps	16/22.05/24 Khz	OK
	MPEG1/L2	32 – 384 Kbps	32/44.1/48 Khz	OK
	MPEG/L2	32 – 160 Kbps	16/22.05/24 Khz	OK
	MPEG/L3	32 – 320 Kbps	32/44.1/48 Khz	OK
	MPEG2/L3	8 – 160 Kbps	16/22.05/24 Khz	OK
	MPEG2.5	8 – 64 Kbps	8/11.05/12 Khz	OK
RA		16 – 320	11 – 48	Not Support
RM		20 – 32	44.1	Not Support

Table 2

Picture		
File Format	Resolution Ratio	Support Status

JPG	5000 x 5000	1345 x 1600	OK
	6000 x 6000	1024 x 768	
	800 x 500	1024 x 768	
	5756 x 852	301 x 206	
	496 x 340	800 x 500	
	1024 x 819	800 x 500	
	1920 x 1200	1920 x 1200	
	800 x 500	800 x 600	
	1440 x 900	1024 x 768	
	593 x 830	1600 x 1200	
	790 x 850	1600 x 1200	
	502 x 397	690 x 537	
	1024 x 768	800 x 800	

19. FORMAT AVAILABLES (Cont.)

Table 2

Picture			
File Format	Resolution Ratio		Support Status
GIF	1000 x 1000	600 x 450	OK
	5000 x 5000	240 x 320	
	370 x 315	400 x 400	
	500 x 433	300 x 400	
	725 x 999	725 x 660	
	240 x 320		
PNG	555 x 416	256 x 256	OK
	553 x 415	1945 x 1219	
	256 x 256	4090 x 4090	
	256 x 256	5000 x 5000	
	256 x 256		
BMP	246 x 184	512 x 488	OK
	443 x 441	128 x 128	
	512 x 481	3224 x 2448	
	300 x 240	5000 x 5000	
	200 x 200	6000 x 6000	
	720 x 480	8000 x 8000	
	512 x 416		

Table 3

VIDEO

Media Type	Video Encoding Type		Video Bit Rate (Max.)	FPS	Resolution (Max.)	Audio Encode Type	Audio Bit Rate	Support Status
ASF	WMV(VC1)	WMV3(9)	10Mbps	15 – 30	720x480	MP3 WMA11	MP3 : 8-320Kbps	OK
MKV	AVC1	H264	5000Mbps	15 – 30	1280x720	MP3	MP3 : 8-320Kbps	OK
	MPGE4	MP4V	10Mbps	15 – 30	1280x720	AAC U8/U16	MP3 : 8-384Kbps AAC : 8-384Kbps U8/U16 : SampleRate	OK
AVI	MPEG7	MP4V	15Mbps	15 – 30	1280x720	MP3 AAC WMA16	MP3 : 8-320Kbps AAC : 8-384Kbps WMA16 : SampleRate	OK
	MPEG8	Xvid				MP3 AAC WMA17	MP3 : 8-320Kbps AAC : 8-384Kbps WMA17 : 8-384Kbps	OK
	MPEG1-2	MPGV						
	AVC1	H264	5000Kbps					
	MJPEG	JPEG	15Mbps					
	WMV(CV1)	WMV3(9)	10Mbps		720x480			
MP4	AVC1	H264	5000Kbps	15 – 30	1280x720	MP3	MP3 : 8-320Kbps	OK
	MPEG4	MP4V	15Mbps			AAC	AAC : 8-384Kbps	OK
MPG	MPEG1-2	MPGV	15Mbps	15 – 30	1280x720	MP3	MP3 : 8-320Kbps	OK
WMV	WMV	WMV3(9)	10Mbps	15 – 30	720x720	MP3 WMA11	MP3 : 8-320Kbps WMA9 : 8-384Kbps	OK
		WMVA						
		WMV1(VC1)						
		WVC1						
		WMVP						
MOV	AVC1	H264	5000Kbps	15 – 30	1280x720	MP3 AAC	MP3 : 8-320Kbps AAC : 8-384Kbps	OK

20. USB DEVICE AVAILABLES

No.	Model Code	Memory Size	No.	Model Code	Memory Size	No.	Model Code	Memory Size
1	DT101G2/32GBZ DataTraveler	32G	5	DT101G2/2GBZ DataTraveler	2G	9	Sony USB USM4GL	4G
2	DT101G2/16GBZ DataTraveler	16G	6	Sony USB USM32GL	32G	10	Sony USB USM2GL	2G
3	DT101G2/8GBZ DataTraveler	8G	7	Sony USB USM16GL	16G	11	Sandisk	16G
4	DT101G2/4GBZ DataTraveler	4G	8	Sony USB USM8GL	8G	12	Sandisk	32G

English

21. TROUBLE SHOOTING

General

Problem	Cause	Measure
Power does not turn on. (No sound is produced.)	Fuse is blown.	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
	Incorrect wiring	Consult your installation center

USB Device

Problem	Cause	Measure
USB device cannot be inserted.	The USB device has been	Reversing the connection

	inserted with wrong direction.	direction of the USB device, try it again.
	The USB connector is broken.	Replace with a new USB device.
USB device is not recognized.	The USB device is damaged.	Disconnect the USB device and reconnect. If the device is still not recognized, try replacing with a different USB device.
	Connectors are loose.	
No sound heard with the display "NO FILE" shown.	No MP3/WMA file is stored in the USB device.	Store these files properly in the USB device.
Sound skips or is noisy.	MP3/WMA files are not encoded properly.	Use MP3/WMA files encoded properly.

Bluetooth

Problem	Cause	Measure
Cannot pair the Bluetooth enable device with the car audio system.	The device does not support the profiles required for the system.	Use another device to connect.
	The Bluetooth function of the device is not enabled.	Refer to the user manual of device for how to enable the function.
The audio quality is poor after connection with a Bluetooth enabled device.	The Bluetooth reception is poor.	Move the device closer to the car audio system or remove any obstacle between the device and the system.

21. TROUBLE SHOOTING (Cont.)

TFT Screen

Problem	Cause	Measure
The image is not displayed.	The parking brake is not engaged.	Check that the parking brake is engaged.
The display is dark.	The operating condition is not good.	The temperature inside the vehicle may be 0°C or lower. Set to an appropriate temperature (25°C or so) and check it again.
	The headlight of the vehicle is lit.	The display is made dark at night to prevent the glare(When the headlight of time vehicle is lit in the daytime, the display gets dark.)

CarPlay / Android Auto

Problem	Cause	Measure
Malfunction to application of CarPlay / Android Auto.	Some application needs mobile data to work properly.	Activate the mobile data or connect to Wi-Fi.
	Using generic USB wire that do not fast data transferences or wrong condition.	Replace the USB wire to original USB wire for faster data transferences (the cable provided with the iPhone / Android device or the same brand) and the wire should be in good condition.

22. FCC/IC WARNING STATEMENTS

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct

IC Warning statement:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation,

Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC RF exposure statement:

This equipment complies with IC Radiation exposure limit set forth for uncontrolled environment.

This equipment should be installed and operated

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

with a minimum distance of 10cm between the product and your body.

IC RF Déclaration de exposition:

Este equipo cumple con los limites de exposici6n a radacion por radiofrecuencia de la IC estipulados para un ambiente no controlado. Este equipo debera instalarse y utilizarse con una distancia minima de 10 cm entre el radiador y el cuerpo.

23. SPECIFICATIONS

General

1. Power Supply: Operation 10. 0 to 16.0 V
2. Output Power(Max): 45W x 4; 14.4V, CD 1KHz/0dB
3. Speaker Load: 4 Ohms 4CH
4. AM/FM Antenna: 80PF/750Ohm
5. Backup Current: Max 1mA

AM

1. Frequency Range: 530 – 1710KHz
2. Usable Sensitivity: Min 32 dBuV
3. Image Reject: Min 50dB
4. IF. Rejection: Min 50dB
5. Bandwidth: 8±3KHz
6. Selectivity: Min 50dB
7. Automatic Gain Control: Min 45dB
8. Distortion: Max 2.0%
9. S/N: Min 40dB
10. Auto Stop Sensitivity(DX): 40±6dBuV
11. Frequency Response: -7±3dB@ 100Hz 0dB@ 1KHz -5±3dB@ 2KHz

AUX

1. Signal to Noise Ratio: >55dB
2. Distortion: Max 1.0%
3. Frequency Response; 0±5dB@ 20Hz 0±5dB@ 100Hz 0dB@ 1KHz 0±5dB@ 10KHz 0±5dB@ 20KHz
4. Loudness VOL STEP 10; +8±2dB@ 100Hz 0±1dB@ 1KHz +4±2dB@ 10KHz

USB

1. Frequency Response; 0±3dB@ 17Hz 0±3dB@ 127Hz 0dB@ 1KHz

FM

- 1. Frequency Range: 87.5 – 107.9MHz
- 2. Usable Sensitivity: Min 15 dBuV
- 3. -3dB Limiting Sensitivity: Min 15 dBuV
- 4. Image Rejection: Min 45dB
- 5. AM Suppression: Min 45dB
- 6. IF. Rejection: Min 70dB
- 7. Stereo Separation: 22 +5/-7 dB
- 8. Separation 40dBuV: 12±5dB
- 9. Frequency Response: 0±5dB@ 50Hz
0dB@ 1KHz
0±5dB@ 7KHz
- 10. Distortion: Max 1.0%
- 11. S/N: Min 45dB
- 12. Auto Stop Sensitivity(DX): 35±6dBuV

0±3dB@ 10KHz

- 2. Distortion: Max 0.4%
- 3. Signal to Noise Ratio: Min 70dB

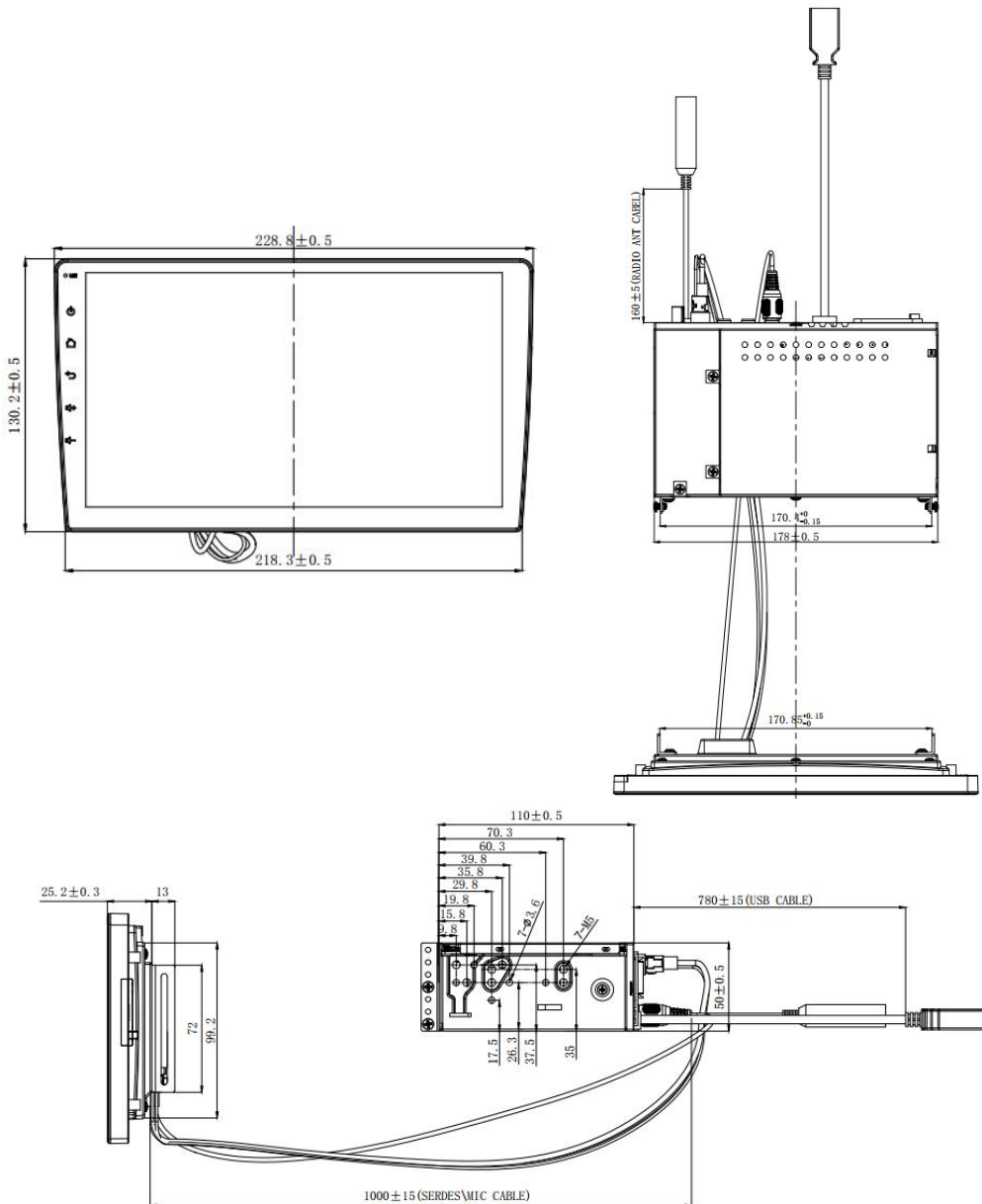
Bluetooth

- 1. Frequency Response;
0±3dB@ 100Hz
0dB@ 1KHz
0±3dB@ 10KHz
- 2. Distortion: Max 3.0%
- 3. Singal to Noise Ratio: Min 35dB

LCD

- 1. Contrast Ratio: Min 600CR
- 2. Luminance: Min 450cd/m²
- 3. Color Chromaticity;
Wx: 0.31+/-0.05
Wy: 0.35+/-0.05
Rx: 0.62+/-0.05
Ry: 0.34+/-0.05
Gx: 0.28+/-0.05
Gy: 0.54+/-0.05
Bx: 0.14+/-0.05
By: 0.13+/-0.05

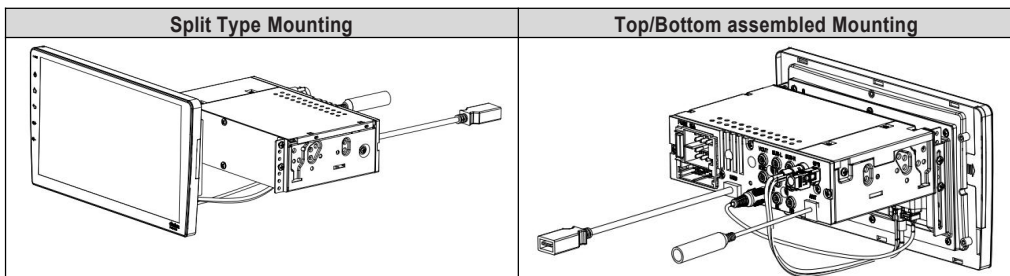
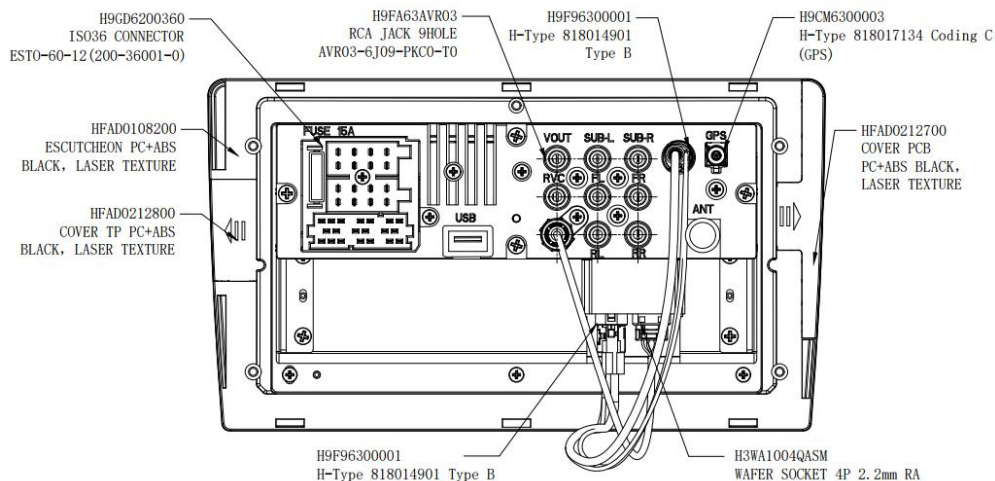
23. SPECIFICATIONS (Cont.)



FX575 Dimensions:
FX575 Weight: 2Kg
(Including Accessory)

24. WIRE CONNECTION GUIDE

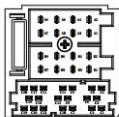
Note: Before installing, be sure to disconnect the negative cable of the car battery. When connect all accessories and USB cable, be sure to fix with the clamp.



24. WIRE CONNECTION GUIDE (Cont.)

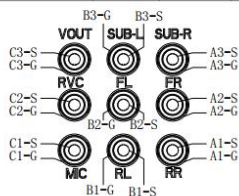
Main Connector

Pin No	Name	Pin No	Name	REMARK
C1	CAN_L	C2	CAN_H	
C3	GND	C4	SWRC_A	
C5	SWRC_B	C6	SWRC_GND	
C7	EXT_MIC_SIG	C8	EXT_MIC-GND	
C9	AV-V	C10	AV-R	
C11	AV-GND	C12	AV-L	
C13	DTV_RX	C14	DTV_TX	
C15	GND	C16	DTV_AR	
C17	DTV_VIN	C18	GND	
C19	DTV_AL	C20	DTV_VCC	
B1	SPKR RR (+)	B2	SPKR RR (-)	
B3	SPKR FR (+)	B4	SPKR FR (-)	
B5	SPKR FL (+)	B6	SPKR FL (-)	
B7	SPKR RL (+)	B8	SPKR RL (-)	
A1	SPEED PULSE	A2	BACK GEAR	
A3	PKB	A4	ACC	
A5	AMP/ANT_B+	A6	ILL	
A7	BAT_B+	A8	GROUND	



RCA Jack

Pin No	Name	Pin No	Name	REMARK
A1-S	Lineout-RR	A1-G	GND	
A2-S	Lineout-FR	A2-G	GND	
A3-S	Sub woofer-R	A3-G	GND	
B1-S	Lineout-RL	B1-G	GND	
B2-S	Lineout-FL	B2-G	GND	
B3-S	Sub woofer-L	B3-G	GND	
C1-S	INT_MIC	C1-G	GND	
C2-S	RVC VIN	C2-G	GND	
C3-S	VOUT	C3-G	GND	



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