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#### AUDIO



#### Feature of Your Audio

#### (1) **RADIO**

- Plays Radio(FM/AM) mode.
- Each time the key is pressed, the mode is changed sequentially.
- The radio mode popup will be displayed when [SETUP] button ► [D isplay] ► [Mode Popup] is turned [ On].

#### (2) **MEDIA**

- Plays Media(CD, USB(iPod®), BT Audio, AUX) mode.
- · Each time the button is pressed, th e mode is changed sequentially.
- The media mode popup will be displayed when [SETUP] button ► [D isplay] ► [Mode Popup] is turned [O n].

#### (3) **PHONE**

- Moves to Phone screen.
- plays Bluetooth Pair/Connection s creen.

#### (4) SETUP/CLOCK

When pressed quickly •Moves to Setup screen. When pressed and held

Moves to the Time Settings.

#### (5) SEEK/TRACK

When pressed quickly

- If Bluetooth® is not connected, dis-• Radio mode: Searches broadcast frequencies.
  - Media mode: Changes the track, fi le or title. (except AUX)

When pressed and held

- · Radio mode: Automatically searches broadcast frequencies.
- Media mode: Rewinds or fast-forwards the song. (except BT Audio, AUX)

#### (6) **POWER/VOL** knob

- Power: Turns power On/Off by pr essing the knob.
- Volume: Sets volume by turning th e knob left/right.

#### (7) **MENU**

• Displays menus for the current mode.

#### (8) **DISP**

- Turns off the screen.
- Each time the key is pressed, it se ts the Screen Off → On → Off.

#### (9) **BACK**

• Moves to previous screen.

#### (10) **FOLDER**

• Media(MP3 CD, USB) mode: Searches folders.

#### (11) **TUNE**

- Radio mode: Changes frequency by turning the knob left/right.
- Media mode: Searches songs(files) by turning the knob left/right.

#### (12) **PRESET** [1] ~ [6]

When pressed quickly

- Radio mode: Receives saved frequencies(channels).
- Media mode(except BT Audio, AUX)
  - [RPT] button: Repeat/Repeat F older
- [SHFL] button: Shuffle/Shuffle Folder
- In case of Menu popup, the number menu is selected.

When pressed and held

• Radio mode: Saves frequencies (c hannels).

#### **Steering Wheel Controls**



The actual features in the vehicle may differ from the illustration.

#### (1) CALL

- When pressed quickly
- Moves to Phone screen.
- When pressed in the incoming c all screen, answers the call.
- When pressed during call wait- i ng, switches to waiting call.
- When pressed and held
- Display the last dialed number.

- When pressed during a Bluetooth<sup>®</sup> Handsfree call, switches call back to Bluetooth device(private mode).
- When pressed while calling on the Bluetooth device, switches call b ack to Bluetooth®Handsfree.
- If Bluetooth<sup>®</sup> is not connected, displays Bluetooth Pair/Connection s creen.

#### (2) END

- When pressed during a call, ends the phone call.
- When pressed in the incoming call screen, rejects the call.

#### (3) **SEEK**

- When pressed quickly
- Radio mode: Searches broad- c ast frequencies saved to Preset s.
- Media mode: Changes track, file or title. (except AUX)
- When pressed and held
- Radio mode: Automatically searches broadcast frequencies.

- Media mode: Rewinds or fast-forwards the song. (except BT Au dio, AUX)

#### (4) **MODE**

- Each time this is pressed, the mo de is changed sequentially.
- If the media is not connected, the corresponding modes will be disabled.
- Press and hold to turn the Audio system on/off.
- When power is off, press key to tu rn power back on.

#### (5) **MUTE**

- Mutes the audio volume.
- When a call is active, mic volume i s muted.

#### (6) **VOL**

· Controls the audio or call volume.

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#### Radio ast frequencies. Radio Mode Change Mode: [RADIO] requency. • Plays Radio(FM/AM) mode. Each • Pressing and holding the button: A time the button is pressed, the mo de is changed sequentially. requency. • If your audio system has no Bluet ooth feature, you can change the r adio mode through [FM], [AM] butt

• The radio mode popup will be dis- pl aved when [SETUP] button ► [Dis play] ► [Mode Popup] is turned [On]

on.

#### Search Frequency: [SEEK/TRACK]

Searches the previous/next broad- c

- · Pressing the button: Changes the f
- utomatically searches for the next f

#### Change Frequency: [TUNE]

Changes frequency by turning the k nob left/right. You can seek avail- abl e frequencies manually.

#### Saved Frequency: PRESET [1] ~ [6]

- Pressing the button: Plays the frequency saved in the corresponding button.
- Pressing and holding the button: S aves the currently playing broad- c ast to the selected button and sou nd a BEEP.

H8N3G001EE

#### FM/AM

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#### MENU

FM1 **87.5 1** 87.5 **2** 88.1 **3** 98.1 **4** 104.1 **5** 108.0 **6** 87.5 Displays Menu Popup when pressing the **[MENU]** button.

#### **Auto Store**

Saves broadcasts with superior reception to [1] ~ [6] buttons. If no frequencies are received, then the most recently received frequency will be broadcast.

#### Scan

The broadcast frequency increases and previews each broadcast for 5 s econds each. After scanning all frequencies, returns and plays the current broadcast frequency.

#### Sound Settings

Moves to Sound Settings.

#### Media

#### Media Mode

#### Change Mode: [MEDIA]

 Press the [MEDIA] button to change the mode in order of CD → USB(iPod<sup>®</sup>) → BT Audio → AUX.

If your audio has no Bluetooth feature: Disc → USB(iPod®) → AUX

If your audio has no CD feature: US B(iPod®) → BT Audio → AUX

The media mode popup will be displayed when [SETUP] button [Display] ▶ [Mode Popup] is turned [On].

You can select a menu in the mode popup by using the PRESET [1] ~ [6] buttons or **TUNE** knob.

- If media device(CD, USB, iPod, A UX) is connected, then it will auto matically operate. Once it is disco nnected, the previous mode will be restored.
- The Audio/BT Audio/AUX volume can also be controlled.

#### Repeat: [1 RPT]

- Repeats the current song or repeats all songs within the current folder.
- Audio CD, iPod mode: Repeat So ng → Repeat Off
- MP3 CD, USB mode: Repeat Song → Repeat Folder → Off

#### Shuffle: [2 SHFL]

- Plays all songs within the current f older(category) or play all songs in random order.
- Audio CD, iPod mode: Shuffle Fol der → Shuffle Off
- MP3 CD, USB mode: Shuffle Fol der → Shuffle All → Off

#### Change Song/File: [SEEK/TRACK] [SEEK/TRACK]

- Pressing the button: Plays the current song from the beginning. If the [v SEEK/TRACK] button is pressed again within 3 seconds, the previous song is played.
- Pressing and holding the button: R ewinds the song.

#### [SEEK/TRACK ^]

- Pressing the button: Plays the next song.
- Pressing and holding the button: F ast-forwards the song.
- AUX and BT Audio don't support Rewind/Fast-forward feature.
- Changing the previous/next song may not be supported in some Blu etooth devices.

#### Search Song: [TUNE]

- Turning **TUNE** knob: Searches for songs(files).
- Pressing **TUNE** knob: Plays selected song(file).
- ✤ BT Audio and AUX don't support playlist feature.
- While BT Audio is playing, press- i ng the **TUNE** knob plays and pau ses the current song.

#### Search Folder: [FOLDER]

- Searches the previous/next folder. (MP3 CD, USB)
- If a folder is selected by pressing t he **TUNE** knob, the first file within t he selected folder will be played.
- In iPod<sup>®</sup> mode, moves to the Pare nt Folder.

#### Disc(Audio CD) List Scan Scans the beginning parts of all son gs. (approximately 10 seconds per fil e) Moves to the list screen. Repeat Repeats the current song. Press it a Track 7 ▶0:02 Info gain to turn off. Displays information of the current s ong. **Random**(Shuffle) Displays Menu Popup when pressing the **[MENU]** button. Randomly plays all songs. Press it a Sound Settings gain to turn off.

H8N3G002EE

Moves to Sound Settings.

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H8N3G003EE H8N3G004EE		
Disc(MP3 CD)/USB	List	Random(Shuffle)
Disc MP3	Moves to the list screen.	Randomly plays all songs. Press it a gain to turn off.
Folder Name	Repeat	Secre
rrile Name.mp3	Repeats the current song. Press it a gain to turn off.	Scan Scans the beginning parts of all son gs. (approximately 10 seconds per fil
	Repeat Folder	e)
	Repeats songs within the current fol der. Press it again to turn off.	<b>Info</b> Displays information of the current s
#File Name.mp3	Random Folder(Shuffle Folder)	ong.
Displays Menu Popup when pressing the <b>[MENU]</b> button.	Randomly plays songs within the cur-r ent folder. Press it again to turn off.	Sound Settings

Moves to Sound Settings.

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H8N3G005EE		H8N3G006EE
iPod	<b>Random</b> ( <b>Shuffle</b> ) Plays all songs within the currently p	BTAudio
iPod         iPod           1000/2000         1000/2000           Antist Name         0:02	laying category in random order. Pre ss it again to turn off.	BT Audio 🛛 12:00 Artist Name
<ul> <li>Album Name</li> </ul>	<b>Info</b> Displays information of the current s ong.	In Title Name Press (TUNE) Knob: ►/ II
Displays Menu Popup when pressing the <b>[MENU]</b> button.	Sound Settings Moves to Sound Settings.	Dsplays Menu Popup when pressing the <b>[MENU]</b> button.
List Moves to the list screen.		Sound Settings Moves to Sound Settings.

Repeat

Repeats the current song. Press it a gain to turn off.

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#### **\*NOTICE**

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- Audio may not automatically start playing in some Bluetooth devices. If the music in the Bluetooth dev ice is not played after changing to audio streaming mode, press the [ TUNE] knob. Check if the music i s playing in the Bluetooth device a fter changing to audio streaming mode.
- Audio streaming may not be supported for some Bluetooth devices.
- If Bluetooth device is disconnected, BT Audio is ended.
- Bluetooth connection is required t o use BT Audio. Refer to the Blue tooth manual for more infor- mat ion.

### AUX



Displays Menu Popup when pressing the **[MENU]** button.

#### Sound Settings

Moves to Sound Settings.

#### **\*NOTICE**

H8N3G007EE

- AUX mode can be used only when an external audio player has been connected.
- If only a cable is connected to the AUX without an external device, t he mode will be changed to AUX, but noise may occur. When an ext ernal device is not being used, re move the connector jack.
- When the external device power is connected to the power jack, playing the external device may output noise. In such cases, disconnect the power connection before use.

#### Bluetooth

Before Using the Bluetooth® Handsfree

What is *Bluetooth®* Wireless Technology?

- The Bluetooth<sup>®</sup> word mark and log os are registered trademarks own ed by Bluetooth<sup>®</sup> SIG, Inc.
- Bluetooth<sup>®</sup> Wireless Technology r efers to a short-distance wireless networking technology which uses a 2.45GHz frequency to connect v arious devices within a certain dist ance.
- Supported within PCs, external d evices, Bluetooth<sup>®</sup> phones, PDAs, various, electronic devices, and automotive environments, Bluetooth<sup>®</sup> Wireless Technology to be transmitted at high speeds without having to use a connector cabl e.
- Bluetooth<sup>®</sup> Handsfree refers to a d evice which allows the user to con veniently make phone calls with Bluetooth<sup>®</sup> devices through the Mu Itimedia system.

#### **A** WARNING

Focus on the road while driving. The driver's primary responsibility is in the safe and legal op eration of the vehicle. Drivers s hould not use any hand held de vices or other equipment or veh icle systems that distract the dr iver during vehicle opera- tion.

Do not stare at the multimedia s creen for long periods of time w hile driving. Staring at the scre en for prolonged periods of tim e can lead to traffic acci- dents and can result in person- al inju ries.

#### **Precautions for Safe Driving**

- Bluetooth<sup>®</sup> is a feature that enables drivers to make handsfree calls. Connecting the head unit with a Bluetooth<sup>®</sup> phone allows the user to conveniently make calls, receive calls, and manage the phonebook. Before using Bluetooth<sup>®</sup> Wireless Technology, carefully read the contents of this user's manual.
- Excessive use or operations while driving may lead to negligent driving practices and be the cause of accidents. Do not operate the de vice excessively while driving.
- Viewing the screen for prolonged periods of time is dangerous and may lead to accidents. When driving, view the screen only for short periods of time.

#### CAUTIONS upon Connecting Bluetooth<sup>®</sup>Phone

- Before connecting the head unit wi th the Bluetooth device, check to s ee that the mobile device sup- port s Bluetooth® features.
- Pairing Bluetooth® devices and u se of other Bluetooth® features are not supported when the vehicle is i n motion. For safety, please first p ark your vehicle.
- Even if the mobile device supports Bluetooth<sup>®</sup> Wireless Technology, t he device will not be found during device searches if the device has been set to hidden state or the Blu etooth<sup>®</sup> power is turned off. Disabl e the hidden state or turn on the Bl uetooth<sup>®</sup> power prior to searching /connecting with the head unit.
- If a Bluetooth<sup>®</sup> Wireless Technology device becomes disconnected due to being out of communication ra nge, turning the device OFF, or a Bl uetooth<sup>®</sup> Wireless Technology co mmunication error, corresponding Bluetooth<sup>®</sup> Wireless Technol ogy devices are automati- cally sea rched and reconnected.

- If you do not want automatic connection with your Bluetooth<sup>®</sup> devi ce, turn the Bluetooth<sup>®</sup> feature off i n the Bluetooth<sup>®</sup> device.
- Only one Bluetooth<sup>®</sup> Wireless Te chnology device can be con- necte d at a time.
- Bluetooth<sup>®</sup> connection may become intermittently disconnected in some Bluetooth devices. Fol low these steps to try again.
- 1. Turn the Bluetooth<sup>®</sup> function within the Bluetooth device OFF/ON and try again.
- 2. Turn the Bluetooth device power O FF/ON and try again.
- 3. Completely remove the Bluetooth device battery, reboot, and then a gain.
- 4. Reboot the Multimedia System and try again.
- 5. Delete all paired devices from both of Bluetooth device and Head Unit sides and then try again.

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## CAUTIONS upon Using Bluetooth® P hone

- If the Bluetooth device is not connected, it is not possible to enter P hone mode. After connecting you r Bluetooth device to your car, use the Bluetooth features.
- You will not be able to use the han dsfree feature when your phone i s outside of the cellular service ar ea (e.g. in a tunnel, in a undergrou nd, in a mountainous area, etc.).
- If the cellular phone signal is poor or the vehicles interior noise is too loud, it may be difficult to hear the other person's voice during a call.
- Do not place the Bluetooth device near or inside metallic objects, otherwise communications with *Bluetooth®* Wireless Technology system or cellular service stations can be disturbed.
- Placing the audio system within an electromagnetic environment may result in noise interference.

- Some Bluetooth devices may cau se interference noise or mal- functi on to audio system. In this case, st ore the device in a different locatio n may resolve the condition.
- While a device is connected through *Bluetooth*<sup>®</sup> Wireless Technology, your device may discharge quicker than usual for additional *Bluetooth*<sup>®</sup> Wireless Technology-related operations.
- The handsfree call volume and qu ality may differ depending on the B luetooth device.
- If Connection Priority is set upon v ehicle ignition (IGN/ACC ON), the *Bluetooth*<sup>®</sup> Wireless Technology device will be automatically con- n ected. Even if you are outside, the *Bluetooth*<sup>®</sup> Wireless Technology device will be automatically con- n ected once you are in the vicinity o f the vehicle of you do not want to automatically f you do not want your *Bluetooth*<sup>®</sup> Wireless Technology device, turn off the *Bluetooth*<sup>®</sup> Wir eless Technology feature in your Bluetooth device.
- In some Bluetooth devices, starting the ignition while talking through B luetooth<sup>®</sup> Wireless Technology en abled handsfree call will result in th e call becoming disconnected due to car handsfree call transfer. If you use your phone outside the vehicl e, turn off the Bluetooth<sup>®</sup> Wireless Technology feature in your phone

#### H8N3G008EE

Bluetooth Connection

Before you can use the Bluetooth fe ature, you must first pair/connect yo ur Bluetooth device to your car.

#### Pairing a New Device

Select **[PHONE]** button in the head unit or **[CALL]** button in the steering wheel remote control.

Select **[SETUP]** button € Select [P hone]. € Select [Add New Device].



In your Bluetooth device,

- 1. Pair your car after your Bluetooth device detects the Bluetooth devi ce.
- 2. Enter the passkey(0000) or accept the authorization popup.
- 3. Connect Bluetooth.

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#### **\*NOTICE**

- Up to 5 Bluetooth devices can be paired.
- The default passkey is 0000.
- During a Bluetooth device connection, another device cannot be pa ired.
- The Vehicle Name above is an exa mple. Check the actual infor- mat ion on the product.
  Pairing and connecting a
- Pairing and connecting a Bluetooth<sup>®</sup> Wireless Technology enabled Bluetooth device will wo rk only when the Bluetooth<sup>®</sup> Wirel ess Technology option within your Bluetooth device has been turned on.(Methods of turning on the Bl uetooth<sup>®</sup> Wireless Technology en abled feature may differ dependin g on the Bluetooth device.)
- After pairing is complete, a con-t acts download request is sent to t he Bluetooth device. Some Bluet ooth devices may require confir mation upon receiving a downloa d request. Ensure your Bluetooth device accepts the con- nection. R efer to your phone's user manual for additional infor- mation regar ding phone pairing and connectio ns.

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#### H8N3G009EE

#### **Connecting Bluetooth Devices**

Select **[PHONE]** button in the head unit or **[CALL]** button in the steering wheel remote control.  $\in$  Select the name of the device to connect.  $\in$  Connect Bluetooth.

• Connects the Bluetooth devices th at you add.

Phone	<u>12:00</u>
Bluetooth Connection	
Add New Device	
Device Name1	
🛛 Device Name2	

#### **\*NOTICE**

- Only one Bluetooth device can be connected at a time.
- *Bluetooth®* Wireless Technology f eatures supported within the veh icle are as follows. Some fea- ture s may not be supported dependi ng on your Bluetooth® Wireless Technology device.
  - Outgoing/Incoming Handsfree calls
  - Operations during a call: Switch to Private, Switch to call waiting, MIC on/off
  - Downloading Call History
  - Downloading Contacts
  - *Bluetooth®* Wireless Technology device Auto Connection
  - Bluetooth® Audio Streaming

#### H8N3G010EE

#### H8N3G011EE

**Bluetooth Phone** 

#### Favorites

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Select **[PHONE]** button € Select [F avorites]

- Displays Phone Menu screen.
- The connected device name is displayed in the top of the display.

Phone 🛛 🛛 🕄	12:00
🛿 Device Name	·····) Y
Favorites	
Call History	
Contacts	

- IIII : Call signal strength indicator
- **Y**all : Battery level of the Bluetooth devices connected

• Lists the phone numbers saved as Favorites. Select from the list to di al the number.



Displays Menu Popup when pressing the **[MENU]** button

- Add New Favorites: Adds a phone number to Favorites.
- Delete ItemsRepeat: Deletes numbers that you select from Favorites.
- Delete All: Deletes all of the numbers from Favorites.

#### **\*NOTICE**

- Up to 20 favorites can be saved in favorites of each device.
- Downloading favorites in your B luetooth device does not be sup- p orted.
- To save favorite, contacts should be downloaded.
- Contact saved in favorites will not be automatically updated if the co ntact has been updated in the pho ne. To update Favorites, delete the favorite and create a new favorit e.

#### H8N3G013EE

#### **Call History**

Select **[PHONE]** button € Select [C all History]

H8N3G012EE

• Displays all of your call history. Select from the list to dial the number.

Phone 🛚 🛚 🛛	12:00
All Calls (##)	MENU
Name	
<b>+</b> 000000000	C
♦000000000	c

Dsplays Menu Popup when pressing the **[MENU]** button

- Download: Downloads the call history information from your Bluetooth device.
- All Calls: Lists the all call history.
- Dialed Calls: Lists the calls that yo u made.
- Received Calls: Lists the calls that you have received.
- Missed Calls: Lists the calls you m issed.

#### **\*NOTICE**

- Call history may not be saved in t he call history list in some Blueto oth devices.
- Calls from restricted ID's are not saved in the call history list.
- Up to 50 calls can be added in each Dialed Calls/Received Calls/Missed Calls list.
- The durations of each dialed/received call are not displayed in your car's Call History l ist.
- While the call history download is in progress. the status bar displays an icon (<sup>+3</sup>).
- If the call history download is tu rned off on the Bluetooth device, t he call history download will fail.
- Some devices require a device au thentication for downloading yo ur call history. If download fails, c heck if the Bluetooth settings or d isplay status are normal.

#### Contacts

Select **[PHONE]** button € Select [C ontacts]

• Displays the list of Contacts. Select f rom the list to dial the number.



Dsplays Menu Popup when pressing the **[MENU]** button.

- Download: Downloads contacts f rom your Bluetooth device.
- A-Z Jump: Finds a contact in an al phabetical order.

#### H8N3G014EE

#### H8N3G015EE

#### **Requesting Download**

Some devices require a device aut hentication for downloading your call history and contacts.

If download fails, check the *Bluetooth*<sup>®</sup> Wireless Technology device settings or the screen state.



#### **\*NOTICE**

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- Up to 2000 phone numbers can be downloaded from a single, paired Bluetooth device.
- You cannot edit or delete down- lo aded phone numbers from your c ar.
- Contacts can be viewed only when the Bluetooth device is connected.

- Even if the Bluetooth device is disconnected, the downloaded data will remain. (Note that deleting a paired device will also delete all d ownloaded Contacts and Call Hi story data)
- Downloaded phone numbers may be lost depending on the condition of the head unit. Keep your important data in a safe phase
- The status bar displays a (↓≣) while downloading contacts.
- The download will not be avail- a ble if the contacts download func tion is turned off on your Blueto oth device.
- Phone contact names should be sa ved in English or they may not be displayed correctly.
- The time of contacts/call history d ownload may differ depending on the Bluetooth devices.
- Some devices require a device au thentication for downloading yo ur contacts. If download fails, che ck your phone screen and con- fir m the download if necessary.

#### Accept/Reject Call

If there is an incoming call, a popup message will appear.



- To answer the incoming call, press the [Accept] button on the screen or the **[CALL]** button on the steering remote control.
- To reject the call, press the [Reject] button on the screen or the **[END]** button on the steering wheel control.

#### **\*NOTICE**

• In some Bluetooth devices, the ca ller's number may not be dis- pla yed, and the Reject feature may not be supported.

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#### H8N3G016EE

#### Using the Menu During a Phone Call

When making a call, you can use the following menu items.



- (1) Private: Switches a voice call from the car Hands-free to the Bluetoo th device.
- (2) End: Ends a call.

Displays Menu Popup when pressing the **[MENU]** button.

• Outgoing Volume: Displays the Mic Volume settings. You can adjust the in-call volume that the other party hears (level 1 - 5).

#### **\*NOTICE**

- Up to 2000 phone numbers can be downloaded from a single, paired Bluetooth device.
- If the caller's number is listed in Contacts, the caller's name will be displayed. Otherwise, only the n umber will be displayed. In some Bluetooth devices, the phone number may not be displayed.
- In some Bluetooth devices, the Use Private feature may not be sup- p orted.
- In some Bluetooth devices, the S witch feature may not be sup- por ted.
- The phone number may not be pr operly displayed in some Bluetoo th devices.
- During a phone call on a Bluetooth Handsfree, you cannot access ot her modes, such as Radio and Set up.
- Depending on handset types, the i n-call volume the other party hea rs may differ. If the other party he ars your voice too low or too loud, adjust the mic volume.

#### **Phone Settings**

Select **[PHONE]** button € Select [P hone Settings]

• Moves to a screen of Phone Settings. Refer to [Setup € Phone Settings] manual for more information.

#### H8N3G017EE

SETUP	<b>Sound</b> Select <b>[SETUP]</b> button € Select [S	Phone Add New Device
<ul> <li>Display</li> <li>Select [SETUP] button € Select [D isplay]</li> <li>Mode: Changes LCD illumination modes: Automatic(changes the le vel automatically), Daylight, and Ni obt</li> </ul>	<ul> <li>ound]</li> <li>Position: Selects the sound position.</li> <li>Tone: Selects the sound tone.</li> <li>Speed Dependent Volume: Controls the volume level automatically according to the speed of the vehicle</li> </ul>	<ul> <li>Select [SETUP] button € Select [P hone] € Select [Add New Device]</li> <li>The following steps are the same as those described in the section [ Pairing a New Device] on the previous page.</li> </ul>
<ul> <li>Media Display: When playing an M P3 file, select the desired display into from [Folder/File] or</li> </ul>	Clock Select [SETUP] button € Select [C	Connect/Disconnect Device Select [SETUP] button € Select [P hone] € Select [Paired Devices]

- Displays the paired Bluetooth de vice list.
- From the paired device list, select the device you want to connect or disconnect.



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- [Artist/Title/Album].
- Mode Popup: During [On] state, pr ess the [RADIO] or [MEDIA] but- t on to display the mode change po pup.
- Text Scroll: If MP3 file name is too long to display, the file name is scr olled from right to left.

Select lock]

- · Clock: Adjusts the number currently in focus to set the [hour], and pr ess the TUNE knob to set the [min ute] and [AM/PM].
- Date: Adjusts the number currently in focus to make the settings and press the TUNE knob to move to t he next settings.
- Time Format: Sets the 12/24 hour time format of the audio system. • Clock Display (Power Off): Displa
- ys time/date on screen when the a udio system turns power off.

A 1	•	
A 11d	10	ariatom
АПС		SVSIEIII
LUU	LU.	by buttin

H8N3G019EE

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#### **\*NOTICE**

• Displays the icons when Bluetooth device is connected.

An icon appears when you m ake a Bluetooth Audio connec- tio n.

**1** : An icon appears when you m ake a Bluetooth Handsfree con- n ection.

- Only one Bluetooth device can be
- connected at a time Bluetooth Audio functions are su pported. Handsfree and audiosupported devices, such as a Blu etooth smartphone or audio, will f unction normally.
- If the system is not stable due to a vehicle-Bluetooth device communication error, delete the paired d evice on each device and pair/co nnect the Bluetooth device again.

#### **Delete Devices**

Select **[SETUP]** button € Select [P hone] € Select [Delete Devices]

H8N3G018EE

- Displays the paired Bluetooth de vice list.
- When selecting from the list, the d evice is deleted.



### **\*NOTICE**

- When you delete a paired device, t he Call History and Contacts sto red in the head unit are also delet ed.
- To re-use a deleted device, you mu st pair the device again.

#### Auto Connection Priority

Select **[SETUP]** button € Select [P hone] € Select [Connection Priority]

- Select the device to want to set the connection priority of paired devi ces.
- If "None" is chosen, the Bluetooth system will try to connect to the la st connected device, then to all pai red devices.



#### **\*NOTICE**

- When the engine is running, the s elected Bluetooth device is automatically connected. If you fail to connect the selected device, the pr eviously-connected device is auto matically connected, and if it also fails, then it tries to connect all pa ired devices sequentially.
- Depending on auto connection priority, connection to a device may t ake time.
- If a *Bluetooth*<sup>®</sup> Wireless Technology device becomes disconnected due to being out of communication range, turning the device OFF, or a *Bluet ooth*<sup>®</sup> Wireless Technology comm unication error, correspon- ding *Bl uetooth*<sup>®</sup> Wireless Technology devic es are automatical- ly searched and reconnected.
- Even if you are outside, the *Blue* tooth<sup>®</sup> Wireless Technology devic e will be automatically connecte d once you are in the vicinity of th e vehicle. If you do not want to au tomatically connect your *Bluetoo* th<sup>®</sup> Wireless Technology device, t urn off the *Bluetooth*<sup>®</sup> Wireless T echnology feature in your Blueto

5 24th device.

• In some Bluetooth devices, start- i ng the ignition while talking thr ough *Bluetooth®* Wireless Techno logy enabled handsfree call will re sult in the call becoming dis- conn ected due to car handsfree call tra nsfer. If you use your phone outsid e the vehicle, turn off the *Bluetoot h®* Wireless Technology feature i n your phone.

i *Language* 

Select **[SETUP]** button € Select [L anguage]

• Changes the display language.

#### Display Off

Select **[SETUP]** button € Select [D isplay Off]

• Audio operation is maintained and only the screen will be turned Off. I n the Screen Off state, press any k ey to turn the Screen On again.

5 25

# Declaration of Conformity FCC

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 resident tial 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 int erference will not occur in a particular installation. If this equipment does cause harmful interference to radio or tel- ev ision 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.

Caution : Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

5 26

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, includ- i ng interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minmum 20cm between the and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the F CC.

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### CE for EU

Declaration of Conformity	Declaration of Conformity
We, manufacturer, hereby declare that the product	We, manufacturer, hereby declare that the product
Model: AC112F2EE, AC110F2GG, AC110F2GN, AC110F2GE, AC110F2GL, AC111F2GG, AC111F2GE, AC110F2EE Type: DigTAL CAR AUDIO SYSTEM	Model: AM112F2EE, AM110F2GG, AM110F2GN, AM110F2GE, AM110F2GL, AM111F2GG, AM111F2GE, AM110F2EE Type: DIGTAL CARA AUDIO SYSTEM
satisfies all the technical regulations applicable to the product within the scope of Council Directives 2006/95/EC, 2004/108/EC and 99/5/EC:	satisfies all the technical regulations applicable to the product within the scope of Council Directives 2006/95/EC, 2004/108/EC and 99/5/EC:
Radio:         EN 300 328 V.I. 8.1(2012-06)           EMC::         EN 55013: 2013           EN 55020: 2007 (All 1: 2011           ETSI EN 301 489: 1V 1.9.2           ETSI EN 301 489: TV 2.2.1           Safety:         EN 60085 2002*A1: 2008*A1: 2018*A2: 2010*A12: 2011	Badio:         EN 300 328 V1.8.1(2012.06)           EMC:         EN 55013: 2013           EN 5502: 2027 /A111: 2011           ETSIEN 301.489-17 V1.9.2           ETSIEN 301.489-17 V2.1           Safety:         EN 60085:2002 + A1:2008 + A11:2008 + A2:2019 + A12:2011
All essential radio test suites have been carried out.	All essential radio test suites have been carried out.
Testing laboratory: DT&C Co., Ltd.	Testing laboratory: DT&C Co., Ltd.
42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea, 449-935 Tel, +82 31 321 2684 / Fax, +82 31 321 1684	42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea, 449-935 Tel. +82 31 321 2684 / Fax. +82 31 321 1684
Authorized representative or manufacturer:	Authorized representative or manufacturer:
HYUNDAI MOBIS Ca. Ltd. 203. Theremo. Ganonam-au, Seoul. 135-977. Korea Tel. 82-31-260-0089 / Fax. 82-31-899-1789	HYUNDAI MOBIS Co., Ltd. 2003. Tehrant-ro., Ganoma-ruy, Beoul, 135-977. Korea Tel, 82-31-280-0098 / Fax. 82-31-899-1788
This declaration is issued under the sole responsibility of the manufacturer and, if applicable, his authorized Representative, and is marked in accordance with the CE marking directive 93/68/EEC.	This declaration is issued under the sole responsibility of the manufacturer and, if applicable, his authorized Representative, and is marked in accordance with the CE marking directive 93/68/EEC.
Point of contact :	Point of contact :
HYUNDAI MOBIS.Co., Ltd. Tel. 82-31-260-0098 / Fax. 82-31-899-1788	HYUNDAI MOBIS.Co., Ltd. Tel. 82-31-260-0098 / Fax. 82-31-899-1788
Seoul, Korea March 31, 2015	Seoul, Korea March 31, 2015
CE 刘告意	<b>(</b> E 刘告意
/S. H. Choe	/S. H. Choe
/ Director	/ Director

	Declaration of Conformity
We, manu	facturer, hereby declare that the product
Model	AM212F2EE, AM210F2GG, AM210F2GN, AM210F2GE, AM210F2GL, AM211F2GG_ AM211F2GE, AM210F2EE
satisfies a	Il the technical regulations applicable to the product within the scope of Council
Radio:	EN 300 328 V.1.8.1(2012-06)
EMC:	EN 55015 (2017) EN 55020 (2007 / A11 : 2011 ETSI EN 301 489-1 V 1.9.2
Safety:	ETSEEN 301489-17 V 2.2.1 EN 60065:2002 + A1:2006 + A11:2008 + A2:2010 + A12:2011
All essent	ial radio test suites have been carried out.
Testing la	boratory: DT&C Co., Ltd.
42, Yu	ura na 154baaa ali Chasia ay Yapala si Cuasaaali da Karaa 440.025
Tel. +1	22 31 321 2664 / Fax, +82 31 321 1664
<u>Tel. +</u>	d representative or manufacturer:
<u>Tel. +1</u> Authorized <u>HYUNE</u> <u>203. Te</u> <u>Tel. 82-</u>	anno, Josephan, Ciebana, Colaros, Streing, Colaros, Anno, Nores, Mariso 2313/21264/Fax. +82313211664 d representative or manufacturer: 2AI MOBIS Co., Ltd. herano, Gamom-Du. Seoul, 135-977. Korea_ 31-260-0098 / Fax. 82-31-899-1788
Tel. +3 Authorized HYUNE 203, Te Tel. 82- This declar Represent	23 132 1364 / Fas. = 62 31 337 1664 d representative or manufacturer: DAI MOBIS Co., Ltd. fretan-to, Gangnam-ou, Seoul, 135-977, Korea 31/260-0089 / Fax, 82,331-896 / 788 ration is issued under the sole responsibility of the manufacturer and, if applicable, his authorized ative, and is marked in accordance with the CE marking directive 93/68/EEC.
Tel. +4 Authorize HYUNE 203. Te Tel. 82- This declar Representa	annu, Decental, Cleantal, Colaris, Streingrob, Kures, Harsson 201 201 2021 404 (Hes. Res. 213 201 1064 d representative or manufacturer: 2At MOBIS Co., Ltd. heran-to., Gangnam-ge, Secul. 135-977. Korea 31-260-0098 / Fax. 82-31-899-1788 ration is issued under the sole responsibility of the manufacturer and, if applicable, his authorized ative, and is marked in accordance with the CE marking directive 93/68/EEC.
Tel. +1 Authorize <u>HYUNE</u> 203, Te 203, Te Tel. 82- This declar Represent Point of ce <u>HYUNE</u>	degresentative or manufacturer:     Al MOBIS Co., Ltd.     Tel. 82-31-28     degresentative or manufacturer:     Al MOBIS Co., Ltd.     Tel. 82-31-38     degresentative or manufacturer:     Al MOBIS Co., Ltd.     Tel. 82-31-28     Comparison of the CE marking directive 93/68/EEC.     Defact:     Al MOBIS Co., Ltd.     Tel. 82-31-260-0098 / Fax. 82-31-899-1788
Tel. +4 Authorize HYUNE 203.Te Tel. 82- This declat Represent Point of cr HYUNE Seoul, 1	d representative or manufacturer:     DALMOBIS Co., Ltd.     Tel. 82-31-260-0098 / Fax. 82-31-399-1788     ration is issued under the sole responsibility of the manufacturer and, if applicable, his authorized     ative, and is marked in accordance with the CE marking directive 93/88/EEC.     Dentact :     DALMOBIS Co., Ltd.     Tel. 82-31-260-0098 / Fax. 82-31-899-1788     Korea March 31, 2015
Tel. +4 Authorize <u>HYUNI</u> 203. Tel Tel. 82- This declas Represent: Point of co <u>HYUNI</u> <u>Seoul, 1</u>	All Control of the sole responsibility of the manufacturer and, if applicable, his authorized at the sole responsibility of the manufacturer and, if applicable, his authorized at the sole responsibility of the manufacturer and, if applicable, his authorized at the sole responsibility of the manufacturer and, if applicable, his authorized at the sole responsibility of the manufacturer and, if applicable, his authorized at the sole responsibility of the manufacturer and, if applicable, his authorized at the sole responsibility of the manufacturer and, if applicable, his authorized at the and is marked in accordance with the CE marking directive 93/88/EEC.  Instance of the sole of the sole responsibility of the manufacturer and, if applicable, his authorized at the and is marked in accordance with the CE marking directive 93/88/EEC.  Instance of the sole responsibility of the manufacturer and, if applicable, his authorized at the anti- and the sole responsibility of the manufacturer and at the sole response at the sole r
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Tel. 4 Authorize HYUNI 203.Te Tel. 82 This declar Represent Point of co HYUNI Seoul, J	Initial Constraint Constraint Streamagnood, Nortes, Histopool         Internet Constraint Constraint Streamagnood, Nortes, Histopool         Internet Constraint Constraint Streamagnood, Nortes, Histopool         Ad MOBIS Co., Ltd.         Internet Constraint Constraint Streamagnood, Nortes, Histopool         Internet Constraint Constraint Streamagnood, Nortes, Histopool         Stream Constraint Constraint Streamagnood, Nortes, Histopool         Ad MOBIS Co., Ltd.         Internet Constraint Constraint Streamagnood, Nortes, Histopool         Internet Constraint Constraint Streamagnood, Nortes, Histopool         Internet Constraint Streamagnood, Histopool         Internet Con

### NCC for Taiwan

根據交通部	低功率電波輻射性電機管理辦法 規定:
第十二條	經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不得擅自變更頻率、 加大功率或變更原設計之特性及功能。
第十四條	低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時, 應立即停用,並改善至無干擾時方得繼續使用。 前項合法通信,指依電信法規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

### ACMA for Australia

anufacturer, hereby declare that the product  odel:M112F2EEAM110F2GGAM110F2GNAM110F2GEAM110F2GLAM111F2GG intraced and interpret the schnical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia es all the technical regulation applicable to the product within the standards of Australia estandards of Babratory: Dt&C Co., Ltd
odel:       AM112F2EE,       AM110F2GG,       AM110F2GG,       AM110F2GL,       AM111F2GG,         111F2GE,       AM110F2EE       ex.       Bit Amage and and an applicable to the product within the standards of Australia         es all the technical regulation applicable to the product within the standards of Australia       ex.         do:       ASIN25 4771:2000
es all the technical regulation applicable to the product within the standards of Australia w Zealand : dio: AS/NZS 4771:2000 G: AS/NZS CISPR13:2012 sential test suites have been carried out. g laboratory: DI&C Co., Ltd. Yurim:ro. 154been-sil. Chemin-su, Yongin-si, Gyeonogi-do, Korea, 449-935 L=82:31:21:2684 / Fax. +82:31:321:1684 rized representative or manufacturer: maid Mobio Co., Ltd. Tehrani-Co. Gangamanus, Saoul. 135-977. Korea Thermanus, Gangamanus, Saoul. 135-977. Korea
SiNZS 4771-2000     G: ASINZS 4771-2000     G: ASINZS CISPR13.2012     sential test suites have been carried out.     glaboratory: DI&C Co., Ltd.     Yurim-ro. 154been-ail. Cheoin-au, Yongin-si. Greenagi-do. Korea, 449-935     =82 31 321 2684 / Pax82 31 321 1884     rized representative or manufacturer:     ingla Mobili Co., Ltd.     J. Enternanco, Gannam-us, Seoul. 135-977. Korea     thoreanen 26.6 Munbale-Meron, Birchero, Guin, Chunochenophuk-Do. 365-862 Korea
C: ASINZS CISPR13:2012 sential test suites have been carried out. g laboratory: DI&C Co., Ltd. Yurim-ro. 1545eon-ail. Cheoin-au, Yongin-si. Gveonogi-do. Korea. 449-935 =82:312:0864 / Fax82:31321108 =82:312:0864 / Fax82:31208 =82:312:0864 / Fax82:31208 =
sential test suites have been carried out. g laboratory: Dt&C Co., Ltd. Yurim-ro. 154been-ail. Cheoin-au, Yongin-si, Gveenagi-do, Korea, 449-935 .=82 31 321 2684 / Pax82 31 321 1684 rized representative or manufacturer: undia Mobili Co., Ltd. J. Tehranaro, Gannam-au, Seoul. 135-977. Korea thoma relat 95: Saman 2-GB Munkale/Menn. Jiincheno-Gun. Chunochanoshuk-Do. 365-862 Korea
g laboratory: DI&C Co., Ltd. Yurim:ro. 154beon-oil. Cheoin-ou. Yongin-si. Gyeonggi-do. Korea, 449-935 *82 31 321 2684 / Fax. +82 31 321 1684 rized representative or manufacturer: undai Mobie Co., Ltd. 3. Teheran-to. Gannam-ou. Seoul. 135-977. Korea cheore net 49 5: Savano 2-Gil MunbachMenn, Jincheno-Gun Chunochanoshuk-Do 365-862 Korea
Yurim-n. 154beon-sil, Chenin-au, Yonain-si, Gyeonogi-do, Korea, 449-935 L-82 312 2084 / Fax. +82 31 321 1084 rized representative or manufacturer: rizedi Mobin-Co. Ltd. J. Tehrami-O. Gangaiamaga. Saoul. 135-977. Korea J. Tehrami-O. Gangaiamaga. Saoul. 135-977. Korea
rized representative or manufacturer: undai Mobis Co., Ltd. 3. Teheran-to. Ganonam-gu. Seoul. 135-977, Korea chono natel 45. Savano 2.GB. Wanbaik-Mwana, Jiincheno-Gun. Chunochanoshuk-Do. 365-862 Korea
<u>undai Mobis Co., Ltd.</u> <u>), Teheran-ro, Gangman-gu, Seoul, 135-977, Korea</u> chenn plant 95, Savang 2-GB, Munhaek-Mwang, Jincheng-Gun, Chungchengghuk-Do 365-862 Korea
82-31-260-0098 / Fax. 82-31-899-1788
eclaration is issued under the sole responsibility of the manufacturer and, if applicable, his ised representative.
of contact:
undai Mobis Co., Ltd. Tel. 82-31-260-0098 / Fax. 82-31-899-1788
pul, Korea May 07, 2015
NXXX THE Choe

### Declaration of Conformity We, manufacturer, hereby declare that the product Model: AM212F2EE, AM210F2GG, AM210F2GN, AM210F2GE, AM210F2GL, AM211F2GG, AM211F2GE, AM210F2EE Type: DIGITAL CAR AUDIO SYSTEM satisfies all the technical regulation applicable to the product within the standards of Australia and New Zealand : Radio: AS/NZS 4771:2000 EMC: AS/NZS CISPR13:2012 All essential test suites have been carried out. Testing laboratory: Dt&C Co., Ltd. 42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea, 449-935 Tel. +82 31 321 2664 / Fax. +82 31 321 1664 Authorized representative or manufacturer: Hyundai Mobis Co., Ltd. 203. Teheran-roc, Gangam-gu, Seoul, 135-977, Korea Jincheon Jani BS, Sawang 2-Gil, Munbaek-Myeon, Jincheon-Gun, Chungcheongbuk-Do 365-862 Korea Tel. 82-31-260-0098 / Fax. 82-31-899-1785 This declaration is issued under the sole responsibility of the manufacturer and, if applicable, his authorised representative. Point of contact: Hyundai Mobis Co., Ltd. Tel. 82-31-260-0098 / Fax. 82-31-899-1788 Seoul, Korea May 07, 2015 / S. H. Choe / Director NXXX

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#### **ANATEL for Brazil**







5 35

SMA for Jamaica

This product has been Type Approved by Jamaica : SMA-AM210F2GN

This product has been Type Approved by Jamaica : SMA-AM110F2GN

This product has been Type Approved by Jamaica : SMA-AC110F2GN

5 36

#### **IFETEL** for Mexico

<IFETEL Operation Guide>

"La operación de este equipo está sujeta a las siguientes dos condiciones : (1)es posible que este equipo o dispositivo no cause interferencia perjudicial y (2)este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la qu e pueda causar su operación no deseada."

5 37

**MOC for Israel** 

מספר אישור אלחוטי של משרד התקשורת הוא 51-48522 אסור להחליף את האנטנה המקורית של המכשיר, ולא לעשות בו כל שינוי טכני אחר.

מספר אישור אלחוטי של משרד התקשורת הוא 51-48818 אסור להחליף את האנטנה המקורית של המכשיר, ולא לעשות בו כל שינוי טכני אחר.

▣Ū¯╣ᢪᡀᡢ	

PINNO	SIGNAL	PINNO	SIGNAL	PINNO	SIGNAL	PINNO	SIGNAL
A1	NC	A20	NC	B1	NC	B20	NC (MM_CAN-)
A2	NC	A21	NC	B2	MIC+	B21	NC
A3	USB_DATA_HI	A22	NC	B3	NC	B22	ACC
A4	USB_DATA_LO	A23	NC	B4	NC	B23	NC
A5	USB_VCC	A24	AUX_AUDIO_L	B5	NC	B24	NC
A6	NC	A25	AUX_AUDIO_GND	B6	ILL+	B25	NC
A7	NC	A26	S/WHEEL_KEY_GND	B7	NC (MM_CAN+)	B26	NC
A8	NC	A27	NC	B8	NC	B27	NC
A9	AUX_AUDIO_R	A28	NC	B9	NC	B28	NC
A10	AUX_DETECT	A29	NC	B10	BATT+	B29	NC
A11	S/WHEEL_KEY	A30	NC	B11	BATT+	B30	NC
A12	DR_SPKR_FRT_LEFT(+)	A31	NC	B12	GND	B31	NC
A13	DR_SPKR_FRT_LEFT(-)	A32	NC	B13	GND	B32	NC
A14	DR_SPKR_FRT_RIGHT(-)	A33	NC	B14	NC	B33	NC
A15	DR_SPKR_FRT_RIGHT(+)	A34	NC	B15	MIC-	B34	NC
A16	FR+	A35	NC	B16	NC	B35	NC
A17	NC	A36	NC	B17	NC		
A18	NC	A37	NC	B18	SPEED		
A19	NC	A38	NC	B19	ILL-		

## POWER

Voltage	14.4 V (9 ~ Negative gro	16 V) ound	
Size (W×H× D)	213 X 208 X	104(mm	n)
Weight	Tape-1: Tape-2:	1.9kg 2.1 kg	

## AUDIO

Max Output 45W × 2 ch (POWER IC)

## CD(NC)

Standard	Optical
Bit	20 bit
Channel	2 Channel (STEREO)
Dynamic Range	More than 90 dB
Signal to Noise Ratio	More than 60 dB
Distortion Rate	Less than 0.3% (1 KHz)
Separation(1KHz)	More than 50 dB
	limit of determination

## TUNER

	FM		
Frequency	87.5 ~ 108 (MHz)		
Sensitivity	Less than 10 dBµV		
(MONO)			
(30dB S/N)			
Signal to Noise Ratio	More than 50 dB		
Stereo	More than 20 dB		
AM			

Frequency	531 ~ 1602 (KHz)
Sensitivity	Less than 35 dBµV EMF
(20dB S/N)	
Signal to Noise Ratio	More than 45 dB